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Essential Microsoft Project: The 20% You Need to Know Concise, focused guide that cuts through the clutter Step-by-step instructions for creating a project plan in under a day Master essential skills like work breakdowns and task sequencing Real-world troubleshooting for 20 common scheduling challenges Rapidly get up to speed if you're new to
Microsoft Project Includes glossary, support resources, and sample plans by Tam M. | reviewed 2024-04-22 This Work Breakdown the work. This example separates the work into logical areas or Work Packages. It includes site preparation, ground
beams, flooring, brickwork, electricity, plumbing and finishes. To see the entire WBS download the visio or PDF. 2008 - 2080 T Morphy. stakeholdermap.com. All rights reserved. A work breakdown structure (WBS) is a visual, hierarchical and deliverable-oriented deconstruction of a project. It is a helpful diagram for project managers because it
allows them to break down their project scope and visualize all the tasks required to complete their project scope and visualize all the tasks are outlined in the work breakdown structure chart, which makes it an essential project planning tool. The final project deliverable, as well as the tasks and work packages associated with it rest on top of the WBS
diagram, and the WBS levels below subdivide the project scope to indicate the tasks, deliverables and work packages that are needed to complete the project management software to lay out and execute a work breakdown structure. When used in combination with a Gantt chart that
incorporates WBS levels and task hierarchies, project management software can be especially effective for planning, scheduling and executing project management tools like Gantt charts, kanban boards, sheets and more. Plan using WBS levels in our tool, then
execute with your team via easy-to-use kanban boards and task lists. Try it for free today. Project Management? Making a WBS is the first step in developing a project schedule. It defines all the work that needs to be completed (and in what order) to
achieve the project goals and objectives. By visualizing your project in this manner, you can understand your project tasks. A well-constructed work breakdown structure helps with important project management process groups and knowledge areas such as: Project Planning, Project Scheduling and
Project BudgetingRisk Management, Resource Management, Resource Management and Team Management issues such as missed deadlines, scope creep and cost overrun, among others. In other words, a work breakdown structure serves as your map through complicated projects. Your project
scope may include several phases or smaller sub-projects can be broken down into tasks, deliverables, and work packages! Your WBS can help you manage those items, and gain clarity into the details needed to accomplish every aspect of your project scope. Get your freeWBS Template for Excel Use this free WBS
Template for Excel to manage your projects better. Get the template Work Breakdown Structure example. For our WBS and learned why they are a great project management tool, lets take a look at a work breakdown structure example. For our WBS example, well be creating a work breakdown structure to lay
down the work plan for a commercial building construction project. This is potentially a complex to make the project below: At the top of the work
breakdown structure is your final deliverable (in this instance, the construction project, the complete the project. The third and lowest level shows work packages. Most WBS charts have 3 levels, but you can add more depending on the complexity of your
projects. Each of those five project phases initiation, planning, execution, control and closeout, also act as control accounts and branch off the main deliverables. For example, the initiation phase includes site evaluation work and creating the project charter. Youll also need
a work package to go with each of those project deliverable. In the execution phase of our construction example, we can look at the interior work deliverable. That deliverable is divided into two work packages, which are installing the plumbing and setting up the electricity. The WBS, when created as thoroughly as possible, is the roadmap to guide
you to the completion of what would seem to be a very complicated project scope. However, when broken down with a WBS, project planning, scheduling and resource planning suddenly become much more manageable. Types of WBS there are two main types of WBS there are two main types of WBS and phase-based. They depend on whether you want to divide
your project in terms of time or scope. Deliverable-Based Work Breakdown Structure and then divides those into project into all the major areas of the project scope as control accounts and then divides those into project into all the major areas of the project scope as control accounts and then divides those into project into all the major areas of the project int
breakdown structure template. Download the template today to practice building your own work breakdown structure in Excel. A deliverable based WBS example showing control accounts, work packages and tasks. Phase-Based WBS levels below showing
the five phases of a project (initiation, planning, execution, control and closeout). Just as in the deliverable-based WBS, the project phases are divided into project deliverables and work packages. Our previous graphic in the Work Breakdown Structure Example section contained a phase-based WBS example. Types of WBS ChartsOnce youve chosen a
deliverable-based or phase-based WBS, you can also choose between different types of WBS diagrams. Lets take a look at the main types of work preakdown structure charts. Work Breakdown Structure charts. Work Breakdown Structure charts. Work Breakdown Structure Class and deliverables. Its probably the simplest method to make a WBS, which is
sometimes all you need. Work Breakdown Structure Tree Diagram: The most commonly seen version, the tree structure depiction of a WBS is an organizational chart that has all the same WBS elements of the list (phases, deliverables, tasks and work packages) but represents the workflow or progress as defined by a diagrammatic
representation. Work Breakdown Structure Gantt Chart: A Gantt chart is both a spreadsheet and a timeline. The Gantt chart, you can link dependencies, set milestones, even set a baseline. This is the most common version in project management
software. Build a work breakdown structure Gantt chart diagram in ProjectManager in just a matter of minutes. Get started for free today. A Gantt chart with WBS codes in ProjectManager. Learn moreWBS Elements typical project work breakdown structure is made up of several key components. Well use our WBS example above to identify each of
the main WBS elements. WBS Dictionary: A WBS dictionary is a document that defines the various WBS elements. Its an important component of a WBS because it allows the project participants and stakeholders to understand the work breakdown structure terminology with more clarity. WBS Levels: The WBS levels are what determines the hierarchy
of a WBS element. Most work breakdown structures have 3 levels that represent the projects main deliverable, control accounts, project deliverables and measure their status. Theyre used to control areas of your project scope. In our example, the execution
project phase could be a control account because it has several deliverables and work packages associated with it. Project deliverables are the desired outcome of project tasks and work packages. In our WBS example, we can observe some examples of project deliverables such as the project budget or interior work. Both of them
are the result of smaller tasks and work packages. Work Packages: As defined by the project management institute (PMI) in its project management body of knowledge book (PMBOK) a work package is the lowest level of the WBS. Thats because a work package is the lowest level of the WBS.
department. As a project manager, you can estimate costs and duration of these work packages and therefore, your project scope. A WBS will help you define each task requirements, status, description, task owner, dependencies, and duration. If you prefer a
visual and verbal explanation of this information from other project, youll need information from other project from the p
Goals and Objectives Your project goals and objectives should be documented on your project scope. Your project scope statement into a series of
phases that will take it from conception to completion. You can also create control accounts, which are your project deliverables? List them all and note the work needed for those project deliverables to be deemed successfully delivered (sub-
deliverables, work packages, resources, participants, etc.)4. Set WBS LevelsThe WBS levels are what make a work breakdown structure a hierarchical deconstruction of your project scope, as defined by the project management institute in its project management body of knowledge book (PMBOK). Youll need to start at the final project deliverable
and think about all the deliverables and work packages needed to get there from the start. 5. Create Work Packages Take your deliverables from above and break them down into every single task and subtask that is necessary to deliver them. Group those into work packages. 6. Choose Task OwnersWith the tasks now laid out, assign them to your
project team. Give each team member the work management tools, resources and authority they need to get the job done. WBS Software Work breakdown structure software is used to outline a projects final deliverable and define the phases that are necessary to achieve it. Software facilitates the process in several different ways. Some use a network
diagram and others use a Gantt chart. All of them, however, are a visual representation of the project, literally breaking down the various stages and substages needed to assemble the final project deliverable. When it comes to planning a construction project, many of us prefer to re-use elements from previous plans and schedules. But what if youre
starting from scratch with no construction project examples to draw from? And are your past project sadhering to construction schedule by establishing a Work Breakdown Structure. Just like when construction project examples to draw from? And are your past project sadhering to construction with no construction project examples to draw from? And are your past project planners start building their construction schedule by establishing a Work Breakdown Structure. Just like when construction project examples to draw from? And are your past project planners start building their construction project planners start building their construction schedule by establishing a Work Breakdown Structure. Just like when construction project planners start building their construct
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construction WBS examples that can you use to get started. Construction Project Work Breakdown Structure is and why we need one for your construction projects whether they fall
into Civil, Oil & Gas, Buildings, Aerospace or another industry. Check out these examples of a construction project WBS. Use these sample #1Click the image to enlarge it. Check out the Aircraft Systems project work breakdown structure. This sample
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level 1 like Contract Milestones, Submittals, Design & Engineering, Procurement and Pre-Construction. If you've ever taken a project management training module will not mention any of these important WBS elements. However, experienced construction planners & schedulers know to include these in their projects WBS as
an industry best practice. This sample project WBS has work broken down by Area first, then by construction Discipline. However, you can always reverse these if it makes more sense or ensure clarity for your construction Project 2 WBS
Example #3Click the image to enlarge it.My 2nd example for a typical construction projects Phase. Again this is a very common example work breakdown structure for many large-scale construction projects. Tunneling Construction Project
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Commercial Building Project WBS Example #5Click the image to enlarge it. The example work breakdown structure has a detailed multi-level section for Design work. The construction work is broken down first by
trade discipline, then by work type or perhaps phase. With so many types of work and disciplines involved, I can be difficult to see the sequence of the work represented in the projects WBS Best PracticesWhen it comes to construction schedules, there
are some unique best practices you should follow when developing your projects WBS. In the video below, Ill discuss the examples above and explain what best practices I highly recommend you follow:#1 Put Your Milestones Up TopMake your first WBS node at level 1 a place
to put your major milestones. I like to label it Contract Milestones and ensure that all of my major contract milestones live here. This makes it very easy to find your milestones without having to use a filter, and to keep an eye on them for changes as you work on the project schedule. #2 Break Out Pre-Construction WorkMost projects will have some
pre-construction work like site assessments, approvals, permits and other such adminstrative items or pre-work that will need to be tracked on the schedule. Create a Pre-Construction WBS area to capture those items. Add additional sub-nodes if necessary to help organize the pre-construction work like site assessments, approvals, permits and other such adminstrative items or pre-work that will need to be tracked on the schedule.
 SeparateDepending on the type of construction project you may have Design or Value Engineering activities to capture in your schedule is well organized and keep it easy to understand and analyze.#4 Have a Section for
SubmittalsSubmittals might be a pain in your side if youre a contractor, but nowadays owners want to see major submittal activities. That way you can easily see them all together and ensure youre tracking & progressing them. #5 Sequence Your
Projects WBSHierarchies are great and can really help you to organize your projects activities. But theres a real benefit to organizing your work in the order you will execute it in the field. Try to structure your work in the order you will execute it in the field. Try to structure your work in the order you will execute it in the field. Try to structure your work in the order you will execute it in the field. Try to structure your work in the order you will execute it in the field. Try to structure your work in the order you will execute it in the field. Try to structure your work in the order you will execute it in the order you will execute it in the field. Try to structure your work in the order you will execute it in the order you will execute
above. If I was to plan to work first at Shaft S2, then at S1, followed by S3, I would order my WBS to match this sequence. Remember, youre not the only person who will use your schedule. Theres a real benefit to developing a construction project schedule that seasy for everyone to understand. Conclusion Whether youre a beginning planner, or a
seasoned expert, crafting a good WBS for your construction project isnt always a walk in the park. You might not have realized how much there is to consider for something as simple as your projects WBS. However, a work breakdown structure IS the foundation of a well-built construction project schedule. Use the examples and best practices above to
help you develop a project schedule that you can deliver on-time and on-budget. And dont forget that you can download these example WBS templates for Primavera P6 here. Enjoy! When it comes to planning a construction project, many of us prefer to re-use elements from previous plans and schedules. But what if youre starting from scratch with no
construction project examples to draw from? And are your past projects adhering to construction WBS best practices? Most project planners start building their construction schedule by establishing a Work Breakdown Structure. Just like when construction schedule by establishing a Work Breakdown Structure.
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examples that can you use to get started. Construction Project Work Breakdown Structure Examples I don't want to rehash what a Work Breakdown Structure is and why we need one for your construction project schedule. But, I do want to discuss how to setup your WBS for common types of construction projects whether they fall into Civil, Oil & Gas,
Buildings, Aerospace or another industry. Check out these examples of a construction project WBS. Use these sample WBS as a basis for your own construction project work breakdown structure. This sample WBS is ideal for a
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seasoned expert, crafting a good WBS for your construction project isnt always a walk in the park. You might not have realized how much there is to consider for something as simple as your project schedule. Use the examples and best practices above to
help you develop a project schedule that you can deliver on-time and on-budget. And dont forget that you can download these example WBS in construction is a hierarchical way of organizing a building project. The WBS is a single document that divides the project
deliverables into manageable chunks known as work packages. Project managers create a visual representation of the diagram, the finished building (or parent) appears. Each layer beneath the parent breaks the project down into children. The bottom
layer represents the smallest division of work, where supervisors cannot reasonably decompose the elements further. At this level, you can find work packages of specific components terminal elements. A key principle of the WBS for a building
project is the 100 percent rule. According to this rule, the work breakdown structure must show the entire project scope, including all deliverables: design, engineering, and project management services. Work outside the scope does not appear in the WBS. As a corollary of the 100 percent rule, all construction work at the child level must equal the
total work represented by the parent. In addition to showing the graphical representation, a construction manager can display the WBS in text and tables. WBS is a versatile project management tool that you can use in many fields. To learn
the basics and history of work breakdown structures, see Getting Started with Work Breakdown Structures. There are two dominant schools of thought on the best way to organize a work breakdown structures. Was a deliverable or by phase. Many construction specialists favor a deliverable-oriented (or product-oriented) WBS, which revolves around
tangible deliverables, not processes. The hierarchy for this kind of WBS captures what you will build it. In construction, the elements of a deliverable-oriented WBS are physical components of the building or interim deliverables can include the suilding or interim deliverables.
plans and specifications. The components of a deliverable-oriented WBS are nouns rather than on processes. Here is an example of a deliverable construction WBS for a house. Though this example doesn't decompose the project into terminal elements, its
 hierarchy displays the finished house at the top of the image. Major parts of the project branch off underneath, and more detailed elements appear at the bottom. Here are the advantages of a deliverable-oriented WBS:It simplifies the process of cost estimating. It allows you to see the total work scope. It clarifies the relationships among elements. You
can use it during all project phases. Its easier to modify as your project changes. It supports earned value management. Alternatively, a phase-based WBS divides construction into steps or stages. This kind of WBS. This kind of
document is also known as a process-oriented, task-oriented work breakdown structure. A construction manager divides the project into its component activities often proceed in chronological order. Some project managers believe that a phase-based WBS is in the graphical representation of a phase-based WBS is in the graphical representation of a phase-based WBS is in the graphical representation of a phase-based WBS is in the graphical representation of a phase-based WBS is in the graphical representation of a phase-based WBS is in the graphical representation of a phase-based WBS is in the graphical representation of a phase-based WBS is in the graphical representation of a phase-based WBS is in the graphical representation of a phase-based WBS is in the graphical representation of a phase-based WBS is in the graphical representation of a phase-based WBS is in the graphical representation of a phase-based WBS is in the graphical representation of a phase-based WBS is in the graphical representation of a phase-based WBS is in the graphical representation of a phase-based WBS is in the graphical representation of a phase-based WBS is in the graphical representation of a phase-based WBS is in the graphical representation of a phase-based WBS is in the graphical representation of a phase-based WBS is in the graphical representation of a phase-based WBS is in the graphical representation of a phase-based WBS is in the graphical representation of a phase-based WBS is in the graphical representation of a phase-based WBS is in the graphical representation of a phase-based WBS is in the graphical representation of a phase-based WBS is in the graphical representation of a phase-based WBS is in the graphical representation of a phase-based WBS is in the graphical representation of a phase-based WBS is in the graphical representation of a phase-based WBS is in the graphical representation of a phase-based WBS is in the graphical representation of a phase-based WBS is in the graphical representation of a phase-based WBS is i
not a true work breakdown structure as defined by the Project Management Book of Knowledge. They hold this belief because the phase-based WBS disagree with this interpretation, noting that levels beneath the major stages in the document are often concrete
deliverables rather than processes. The phase-based WBS arose in part to ease the transition from a deliverable WBS to a project schedule. Those who favor the deliverable wBS say that you can solve this transition issue by planning your project properly and creating a full set of construction documents. Planners translate the deliverables into
activities and milestones, then create a project schedule network diagram. This diagram, which consists of boxes and corresponding arrows indicating the flow of work, is the basis of the project schedule. A phase-based WBS can be subject to error because capturing all the construction activities is more difficult than defining the deliverables. Due to
this difficulty, child-level actions can sometimes total more or less than the full project scope. Directly below is an example of a phase-based WBS for a tunnel-building project. The WBS here shows the five major phases of tunnel construction; and closeout. The relevant component activities
appear under each phase heading. The goal of a work breakdown structure in construction is to make the project scope and all deliverables in detail. Decomposing the work into individual elements enables project planners to do a better job of estimating
costs, assigning tasks, and checking progress against the schedule and budget. The WBS also lays the groundwork for clear communication among all the stakeholders in the project. Here are the main objectives of WBS in construction: Detailing tasks and deliverables for crews and subcontractors Laying out milestones and progress
checkpointsDefining quality control and acceptance criteriaGiving information on construction to capture the essence of a building project. The examples below break down the end deliverable into successively smaller pieces of work. The image for each
example displays, in descending order from top to bottom, those successively smaller pieces of work. A Typical Construction project WBS typically moves from planning to construction, control, and closeout. Note that many of the work packages are processes and
activities. A Typical Commercial Construction Project WBS: This construction work breakdown structure example for a standard commercial building shows major milestones and deliverables, from site preparation to final walkthrough. The hierarchy decomposes into objects, such as plumbing, and into processes, such as inspecting. By including
objects (nouns) and processes (verbs), this example utilizes a combination of the deliverable-oriented and phase-based structures. An Engineering Project Plan WBS: This is an example of a work breakdown structure for the engineering of a factory expansion. It illustrates the important deliverables for engineers on a project, including conducting and project Plan WBS: This is an example of a work breakdown structure for the engineering Project Plan WBS: This is an example of a work breakdown structure for the engineering Project Plan WBS: This is an example of a work breakdown structure for the engineering Project Plan WBS: This is an example of a work breakdown structure for the engineering Project Plan WBS: This is an example of a work breakdown structure for the engineering Project Plan WBS: This is an example of a work breakdown structure for the engineering Project Plan WBS: This is an example of a work breakdown structure for the engineering Project Plan WBS: This is an example of a work breakdown structure for the engineering Project Plan WBS: This is an example of a work breakdown structure for the engineering Project Plan WBS: This is an example of a work breakdown structure for the engineering Project Plan WBS: This is an example of a work breakdown structure for the engineering Project Plan WBS: This is an example of a work breakdown structure for the engineering Project Plan WBS: This is an example of a work breakdown structure for the engineering Project Plan WBS: This is an example of a work breakdown structure for the engineering Project Plan WBS: This is an example of a work breakdown structure for the engineering Project Plan WBS: This is an example of a work breakdown structure for the engineering Project Plan WBS: This is an example of a work breakdown structure for the engineering Project Plan WBS: This is an example of a work breakdown structure for the engineering Project Plan WBS: This is an example of a work breakdown structure for the engineering Project Plan WBS: This is a work breakdow
feasibility study, engineering different aspects of manufacturing (from piping to controls), and responding to construction of a Wastewater in order to remove contaminants. The WBS first breaks down
into the major plant sections, then further into component structures. A Construction Work Breakdown Structure (e.g., a mall or other existing building) is already in place. But the project still requires the design of both
the interior and the exterior, as well as the construction of necessary spaces, including a delivery zone and fitting rooms. The project manager must also install point-of-sale and inventory management systems. A Construction WBS for the construction of a
regional medical center breaks down into the major wings of the complex, from trauma units to food service. Create a WBS for a construction project with this free downloadable template, which you can customize for any building type. The hierarchy shows the finished project first breaking into its major sections and then, underneath, decomposing
into more detailed components. This template works with either a phase or a deliverable approach. Download Construction Project WBS Template - Excel You can find more WBS templates. A work breakdown structure for construction
usually has at least three levels. Put the final product on the first level, major deliverables on the second, and work packages on the third. A so-called WBS dictionary usually accompanies the work breakdown structure diagram. The dictionary defines each element of the building work, including deliverables, milestones, resources, and construction
methods. In construction, building information modeling (BIM) data often appears in WBS dictionaries, because the standard for classifying BIM in North America, designates specific building systems, while Masterformat, a numbering standard
applies to materials. The Uniformat code start with one of eight letters, each corresponding to the major building systems, and then add digits as the work becomes more specific. For example, the Uniformat code for substructure is A, and standard foundations are A1010. The Masterformat code for concrete formwork is 03-11-00. The construction
project work breakdown structure is a team effort. Major project participants, including architects, engineers, general contractors, financial managers, and owners, contribute to the WBS. The project manager typically owns the WBS and controls any changes. Whom you exclude from your construction project WBS is as important as whom you
 include. You might find that managing the building of the work breakdown structure becomes untenable when too many people participate. Site superintendents, subcontractors, and work crews do not usually have a hand in creating the WBS, though project managers should get feedback from them on the draft. To create a construction work
breakdown structure, take the end goal of a project a finished building and sequentially break it down into smaller units until you reach the smallest elements of work and progressing toward the largest element, such as a completed
building.) These are the major steps to create a WBS for a building project: Gather all available information on the construction project. This information will vary, depending on the projects level of refinement, and might include drawings, engineering studies, pre-design work, or proposals. Define the ultimate goal i.e., what you are building. On the
WBS diagram, this goal appears at the top in the form of a simple label, such as Smith Residence or 147 Spruce St. Office Tower. The dictionary, project list, and project plan describe other aspects in more detail. Decide whether a deliverable-oriented or phase-based WBS is best for your purposes. If you are still in the early stages of planning, a
process-based approach makes the most sense because, at this point, you have not yet answered many design and construction method questions. List the major deliverables according to either their construction phase or their structural system. These deliverables include milestones and processes. Use a coding system to show which section of work
applies to each items level of detail. Divide each of these deliverables into components until you reach individual chunks of work. These jobs represent the work packages and terminal elements of the WBS diagram. You must be discrete and identifiable
they must also integrate with the other elements. And you must be able to adapt the work packages to project changes. The WBS dictionary and project schedule. To arrive at the schedule, use time estimates for the work packages in the WBS and the
critical path of the overall project. The critical path is the sequence of scheduled work that determines a projects duration. In order to determine a construction project schedule, begin by listing the following information concerning each terminal element: The length of time the work is likely to take in terms of hours, days, or weeks Any tasks that you
must finish before starting the work package The resources you require i.e., materials, labor, and equipment fine the critical path method. Limits on the
availability of resources are another form of dependency. (For example, you cannot install a prefabricated building component before the manufacturer delivers it.) Use the information you gather regarding dependencies to create a network diagram and Gantt chart. The network diagram lays out the sequence of work visually and makes clear which
tasks must occur on time for the project to meet its deadline. To create the project schedule, look at the duration of the longest path on the network diagram. Be sure to include in your calculation any of the paths lead or lag time, such as time for paint to dry before floor work can begin. Then add reasonable buffers for typical construction delays, such
as those due to bad weather or to unexpected site conditions. Based on all these factors, assign start dates and target dates for each work element. After completing your construction work breakdown structure, confirm that there are no critical errors and the WBS adheres to best practices. Doing this will help prevent any unhappy surprises that
might arise from omissions or miscalculations. Check your WBS against this list of common mistakes to see if you are meeting best practices for a WBS in construction: Does the WBS cover 100 percent of the building project? Do all the children (work packages) add up to the parent (top-line deliverable)? Capture everything. Can a project participant
grasp the whole scope of the building project from looking at the WBS? The value of the WBS lies in its ability to make the work immediately comprehensible. If it is confusing or incomplete, it does not serve its purpose. Are there any redundancies or overlaps? Does the same element appear twice? All major elements must appear and should appear
only once. Does the WBS have at least two levels, but avoid going into unwieldy detail? Most construction pros recommend a maximum of three to five levels. Do the level as a drill-down, rendering each level each level
hierarchy and the standard building systems data? Project stakeholders use these numbers to communicate clearly and quickly about aspects of the work packages? If not, add a level.Does the WBS use nouns instead of verbs
whenever possible? As a best practice, organize the WBS according to tangible deliverables rather than according to processes. Does each work package define its acceptance criteria? This criteria lets you know when you have completed a task. Can you define, manage, estimate, and measure work packages as you have articulated them in the WBS? If
not, the work packages need more refinement. If you are working with a deliverables? You must consider these processes, such as inspections, with their deliverables? You must consider these processes as part of the deliverables.
covers all the major stages? It can be easy to overlook steps, such as setting interim contract milestones, processing submittals, procuring, and closing out the project. Does the WBS should also serve as the basis for creating and budgeting? If not, make the necessary changes. The WBS should also serve as the basis for creating and budgeting? If not, make the necessary changes.
construction schedule network diagram and defining resource needs. Is pre-construction work separate? Design, drawings, financing, and other pre-construction work should appear in its own section, because these activities are not related to any single deliverable. Download Checklist of Construction WBS Best Practices From pre-construction to
project closeout, keep all stakeholders in the loop with real-time collaboration and automated updates so you can make better, more informed decisions, all while landing your projects on time and within budget. The Smartsheet platform makes it easy to plan, capture, manage, and report on work from anywhere, helping your team be more effective
and get more done. Report on key metrics and get real-time visibility into work as it happens with roll-up reports, dashboards, and automated workflows built to keep your team connected and informed. When teams have clarity into the work getting done, theres no telling how much more they can accomplish in the same amount of time. Try
Smartsheet for free, today. Try Smartsheet for Free Get a Free Smartsheet Demo When it comes to planning a construction project, many of us prefer to re-use elements from previous plans and schedules. But what if youre starting from scratch with no construction project examples to draw from? And are your past projects adhering to construction
WBS best practices? Most project planners start building their construction schedule by establishing a Work Breakdown Structure. Just like when constructing a tower or a bridge, its important to start with a solid foundation. Your work breakdown structure (WBS) should establish a solid foundation for your construction project schedule. Although
every construction project is unique, there are principles & best practices to developing a good construction Project WBS.Let me teach you know to plan a solid WBS for your construction Project Work Breakdown Structure Examples I don't be to get started. Construction Project Work Breakdown Structure Examples I don't be to get started.
want to rehashwhat a Work Breakdown Structure isand why we need one for your construction project WBS. Use these
sample WBSs as a basis for your own construction project work breakdown structure. This sample WBS is ideal for a systems implementation in Aerospace or Defense projects. Note that we have a WBS element for Systems Engineering to capture any design or
engineering Work Packages. Also we have a space for Program Management. This highlights the fact that a project Schedule can contain many different types of deliverables and work Program or Project WBS example. Typical
Construction Project 1 WBS Example #2This is my example of a typical construction project work breakdown structure. It captures important WBS elements at level 1 like Contract Milestones, Submittals, Design & Engineering, Procurement and Pre-Construction.
your very own copy of these construction WBS templates. This post was originally posted on PlanAcademy.com. Check out our Blogfor more related articles. Audio version: The concept of a work breakdown structure (WBS) is widely used to represent the projects scope and deliverables in a hierarchical way. Sometimes the structure may seem confusing
for beginners who are new to project management. Therefore its crucial for any project manager to always have a reliable work breakdown structure example at hand. In this post, we share some simple work breakdown structure example at hand. In this post, we share some simple work breakdown structure example at hand. In this post, we share some simple work breakdown structure example at hand. In this post, we share some simple work breakdown structure example at hand. In this post, we share some simple work breakdown structure example at hand. In this post, we share some simple work breakdown structure example at hand. In this post, we share some simple work breakdown structure example at hand. In this post, we share some simple work breakdown structure example at hand. In this post, we share some simple work breakdown structure example at hand. In this post, we share some simple work breakdown structure example at hand. In this post, we share some simple work breakdown structure example at hand. In this post, we share some simple work breakdown structure example at hand. In this post, we share some simple work breakdown structure example at hand. In this post, we share some simple work breakdown structure example at hand. In this post, we share some simple work breakdown structure example at hand. In this post, we share some simple work breakdown structure example at hand. In this post, we share some simple work breakdown structure example at hand.
components. Contents: The graphical nature of a WBS is typically visualized as a result-oriented tree that covers all project management charts. A tree view is not the only representation of a work breakdown structure. You can also find the examples of creating a WBS in theorem.
form of a horizontal hierarchical list, which is most successfully visualized by a Gantt chart. This kind of WBS creator provides a convenient system with the numbering of tasks and subtasks. The essence of the breakdown is essentially the same, but the representations are different. Youll see this in more detail in the examples below. A work
breakdown structure is the foundation of project planning alongside a Gantt chart. Project management skills, itd be also good for you to know how to read a Gantt chart. Project management skills, itd be also good for you to know how to read a Gantt chart. Project management skills, itd be also good for you to know how to read a Gantt chart. Project management skills, itd be also good for you to know how to read a Gantt chart. Project management skills, itd be also good for you to know how to read a Gantt chart. Project management skills, itd be also good for you to know how to read a Gantt chart. Project management skills, itd be also good for you to know how to read a Gantt chart. Project management skills, itd be also good for you to know how to read a Gantt chart. Project management skills, itd be also good for you to know how to read a Gantt chart. Project management skills, itd be also good for you to know how to read a Gantt chart. Project management skills, itd be also good for you to know how to read a Gantt chart. Project management skills, itd be also good for you to know how to read a Gantt chart. Project management skills, itd be also good for you to know how to read a Gantt chart. Project management skills, itd be also good for you to know how to read a Gantt chart.
smaller parts means that work can be performed simultaneously by different employees. It boosts productivity and improves project management. There are many examples, templates, and project management tools that assist in creating a visually appealing work breakdown structure. Lets dive into some common samples from various spheres that
will allow you to select the best WBS work breakdown structure example for your needs. Choosing a project work breakdown structure example of a work breakdown structure example for your needs. Choosing a project management, you should spend some time experimenting
and see which WBS performs best for your team. There is no need to rush here, as the result of the entire project will depend on your choice. You can also find a project work breakdown structure example visualized with the help of a flowchart, a spreadsheet, or can create a Gantt chart online
However, the main idea is to visualize the hierarchy of your projects and make progress clear to everyone involved. For example, you have a project that consists of two global parts or key tasks. These tasks will contain certain subtasks that must be followed strictly one by one. These subtasks can also have a list of activities in a smaller hierarchy. All
this makes up a WBS structure. This project management work breakdown structure example can be easily built with the help of an online Gantt chart. This way is one of the most reliable and demanded among modern project managers. The diagram will include both your project work hierarchy and a timeline. Therefore, you will be able to link task
dependencies, mark milestones, and track when each activity is supposed to start and end. It means that using any available work breakdown structure in project management example, youll be able to generate your own WBS without headache. Now its time to list some common cases where you can apply WBS. Lets start with a work breakdown
structure example for project management in IT, and end with the example of a work breakdown structure for a project related to some creative project management is one of the most popular areas in terms of using WBS.Lets consider a software
development work breakdown structure example related to creating a new e-commerce application. Experienced project managers usually generate such WBS structures using a Gantt chart (this is where GanttPRO is a perfect helper), but many still apply simple tools, for example, an Excel template. A new e-commerce site must be executed
impeccably and clearly, since there are so many competitors on the market. Therefore the work breakdown structure software development example must also be clear, concise, and detailed. We will show how this can look like in a classic tree view and in a variant on a Gantt chart with numbering and a horizontal list hierarchy. As you see, this result
oriented tree work breakdown structure example of a software project management, analysis, designing, developing, and testing stages. Project management, analysis, designing, developing, and testing stages. Project management, and work with possible
plan changes. Analysis. At this stage, project teams conduct required interviews, work on requirements specifications, and prepare use cases. Design is one of the most essential parts of our software development work breakdown structure example. Here, you should care about the prototype design, architecture design, and site performance
improvements. Developing. This is typically one of the most active phases of software development, so you will need to thoroughly work on developing the new e-commerce site and care about all the details, meaning graphics and interface, content creation, database implementation, catalog engine, transaction processing, iOS and Android integration
 security, and other important issues. Testing and production are what end the process. This is when test configuration, reviewing design, releasing the site, closeout meetings, and preparing closeout documents happen. This example of a work breakdown structure WBS in project management for software development needs is pretty clear and simp
to be implemented with the help of an online Gantt chart. You can check this by opening your project in GanttPRO and visualizing your WBS there. Look at how convenient the tasks and subtasks are displayed on a Gantt chart in GanttPRO and visualizing your WBS there. Look at how convenient the tasks and subtasks are displayed on a Gantt chart in GanttPRO and visualizing your wBS there. Look at how convenient the tasks and subtasks are displayed on a Gantt chart in GanttPRO and visualizing your wBS there. Look at how convenient the tasks and subtasks are displayed on a Gantt chart in GanttPRO and visualizing your wBS there. Look at how convenient the tasks and subtasks are displayed on a Gantt chart in GanttPRO and visualizing your wBS there. Look at how convenient the tasks and subtasks are displayed on a Gantt chart in GanttPRO and visualizing your wBS there. Look at how convenient the tasks and subtasks are displayed on a Gantt chart in GanttPRO and visualizing your wBS there. Look at how convenient the tasks and subtasks are displayed on a Gantt chart in GanttPRO and visualizing your wBS there. Look at how convenient the tasks and subtasks are displayed on a Gantt chart in GanttPRO and visualizing your wBS there.
construction project exampleWhen millions are on the line in construction project management, avoiding costly mistakes becomes your priority. That is why, your vital objective is to prepare an ideal WBS, referencing any reliable work breakdown structure construction project example. Again, you can create it using a professional tool or even utilize
an Excel WBS template. For better understanding, lets analyze a work breakdown structure example for a construction project related to building a cottage. This is a popular case, as people round the world constantly seek a breakdown structure for building a cottage. This is a popular case, as people round the world constantly seek a breakdown structure for building a cottage.
example of a work breakdown structure for a construction project demonstrates that all the elements are listed under these lowest levels. The lowest levels represent the project. Level 2 is the key stage of this project. Levels 3, 4, and 5 represent
the major and minor deliverables. Lets look at all these levels on a tree-like WBS in detail. Site preparation. Itll all start with the site cleaning. The nearby area should be ready for all upcoming activities. It will take some time. After that, you will need secure fencing in order to carry out all the internal work. Buying resources. The next stage of our
construction work breakdown structure example includes estimating costs, purchasing the necessary materials and construction equipment, and recruiting manpower. Construction equipment, and recruiting manpower. Painting works are also
included into this part of the WBS. Cleaning. After all construction work, you will need to remove scrap and unnecessary building materials. Handover deliverable. Our work breakdown structure for construction project examples will end with the release of the cottage and the dissolution of the team. Nothing difficult, right? Now look at how a WBS can
be visualized in GanttPRO. A friendly timeline and dozens of useful features make your WBS a perfect visual tool. This fully explains the fact that so many projects teams around the world use GanttPRO templates as the example of a work breakdown structure for housing construction projects. It really makes life easier and simplifies many processes,
saving valuable time. Meanwhile, we are moving to the next sphere and another interesting case. Work breakdown structure healthcare example The existing WBS formats have their typical pros and cons. Project managers in the healthcare example The existing WBS formats have their typical pros and cons. Project managers in the healthcare example The existing WBS formats have their typical pros and cons.
manage.WBS formats for medicine and healthcare emphasize different aspects of the correspondent project. Your WBS will be broken down into the major wings of the complex, from
critical care units to food service. Here youll need to make required repairs and provide new equipment to the trauma units, critical care, labor
and delivery). Critical care. Your purpose now is to manage the renovation of the intensive care units, newborn intensive care, and the cardiovascular ICU. Surgical wing. This wing includes the pathology and laboratory, sterile processing, operating rooms, organ transportation center, endoscopy, and other important objects that need to be
repaired. Support services. These services will need the new equipment, so your objective is to provide respiratory services, the hospice, the pharmacy, and the physical therapy wing the City hospital renovation to completion, you need to take
care of the executive office, finance, human resources, IT, and food service. Dont forget about facilities management. All these tasks seem complex tasks? Thats right, you can plan them with the help of GanttPRO. You will immediately see the benefits and
understand what to do and when. Example of a work breakdown structure for an event a challenge? Not really. Event planning is an integral part of many businesses that require the coordination and execution of successful events. From opening local conferences to arranging global
trade shows, event planners put together a work breakdown structure for the activity event they plan. They use a WBS as a guide to coordinate their efforts such as planning, catering, entertainment, decorating, security, and much more. So, you can find an available example of a work breakdown structure for an event without extra efforts. Recall the
previous example of the City hospital renovation. Now you will be a responsible media manager who needs to hold a big press conference related to the opening of the hospital. To start such an event, you will need a WBS. You tree-oriented work breakdown structure event example will contain the following parts: Planning. The first thing you should do
as the event manager is to plan every step of your upcoming press conference. Consider all budget issues and coordination activities, including total timing. Venue. This point is about choosing the appropriate venue for your conference, booking it, and deciding what catering you will provide to your guests. Speakers. Choosing the speakers and
preparing their speeches are crucial objectives during this phase. In the case of the new hospital youll definitely prepare the speech for the hief Medical Officer. Decide the topics and think about the briefing time for the other speakers. Marketing. Now its time to think about printing flyers, sending email reminders, preparing press-kits, and other
essential marketing materials. Registration. This stage includes creating a register, registering media representatives, sending confirmation, getting approvals from the committee, and balancing accounts. Everything must be thought out to the smallest detail. The event WBS is an efficient tool that provides a clear overview of the tasks needed to be
performed. Consider the option of creating a Gantt chart WBS in GanttPRO: You can use these work breakdown structure examples for events to plan anything from weddings to company events. Youll only need to change the input data and hierarchy system. Example of a work breakdown structure for opening a restaurantThis type of a work
breakdown structure will help you to track processes to eliminate unnecessary activities and expenses. The main activities will relate to marketing research, design, construction, installation, resource management, advertisement necessary equipment, etc. So, the tree-like example of a work breakdown structure for opening a restaurant may look like
this:Market research. The initial objectives of a project manager in a restaurant will be related to working with focus groups, different surveys, competitors analysis, and market research findings. This will give a clear picture of the current state of the market. Construction phases. At this stage, the manager should care about constructing the
restaurant according to the concept and required design. It is important to think over the design of the indoor and outdoor dining area, the kitchen, the restaurant staff consists of managers, chefs, waiters, cleaners, security officers,
receptionists, and other roles. Its crucial to care about timely staff recruitment and training. The quality of restaurant cuisine must also be controlled. Marketing activities, advertising, designing brochures, and other tasks. What do
you think about this work breakdown structure restaurant example? Perhaps, youd like to add some levels or essential blocks. Its easy to do, choosing a horizontal hierarchy and a list view of your WBS. This is where a Gantt chart comes to the rescue again. Dont forget that you can easily create such an appealing work breakdown structure using
GanttPRO Gantt chart maker. Create a work breakdown structure with a handy Gantt chart. Sign up for freeThe only thing that remains is to remind you how to add a WBS feature in your GanttPRO project. You can actually create as many projects as you need with an unlimited number of tasks. Generate your list of tasks and subtasks. By adding a
WBS field from the list, you will be able to order your task list to visualize the hierarchy you want. Find the best work breakdown structure example for your project management. Knowing and understanding this tool is extremely useful, especially if you want to get a
PMP certification. Therefore you should have an efficient work breakdown structure example at hand to be always ready to work with any project plan. You can organize your WBS as a Gantt diagram that links task dependencies and reflects project milestones. Available Gantt chart examples will help you to better understand all the features of this
project management diagram. We hope that by this part of the article you have already appreciated all the advantages of GanttPRO as a WBS software, because with its help you will be able to build handy and reliable work breakdown structures with ease. Use GanttPRO to generate a WBS for: Software development. Construction. Healthcare. Event
planning. Opening restaurant, and many other spheres and professional areas. After all, you can utilize such a structure for personal purposes and special events to plan your own anniversary or prepare for exams. The strength of the WBS lies in its versatility and adaptability to various purposes. Feel free to discover it! Rome wasnt built in a day. It
would have been split into manageable chunks with deliverables ticked off one by one. Otherwise, the gladiators would have fought in half-built, over-budget colosseums. Thats what a work breakdown structure does for you. It breaks down big tasks into smaller, more manageable ones - making a complex project a series of simpler deliverables. Lets
get into what a WBS is and how you can leverage the technique for success. Look out for templates and examples. What is a Work Breakdown Structure in project management? Work Breakdown Structure is a visual project management technique for tracking and aligning a project scope of work, project budget, and schedule. It breaks down your
entire project into small manageable tasks so that the project manager and their team members can get work done on time and on budget. Nothing is less productive than to make more efficient what should not be done at all. Peter Drucker, management consultant, educator, and author. You can connect your work breakdown structures to your
construction-specific financial processes through cost breakdown structures and cost codes. Work Breakdown Structure template for your construction project, from Smartsheet. What are the key components of a Work Breakdown Structure? Here are the key elements that make up a sound
WBS:Project Scope: a brief description of the project charter with the project schedule: includes project timeline, completion date and task status across deliverablesKey stakeholders: an organisational chart of project planProject Scope: a brief description of the project planProject schedule: includes project timeline, completion date and task status across deliverablesKey stakeholders: an organisational chart of project planProject schedule: includes project sc
gain clarity on various WBS terminologies and WBS elements. Work packages: the 'lowest level of WBS that gets assigned to a team member', according to the Project Management Body of Knowledge (PMBOK) book by the Project Management Institute. Control accounts: you create work packages and group them together as 'control accounts' for
easy status tracking. Project tasks: includes all the tasks with duration, description, dependencies and the team/people responsible for execution. What are the three to choose from. None are inherently better. Its about choosing the right one for
the project. In deliverable-based WBS, you break down the project scope with a hierarchical decomposition approach. In simple terms, this means you split the large project into smaller, more manageable bits and create a hierarchy. Each level represents a progressively more detailed breakdown of the deliverables. For example, you might have the
overall goal or objective at the top. The next level down will be small components or phases, which will be broken into tasks and deliverable for projects with specific to-dos and quick turnarounds. Here's a deliverable based WBS example
for the residential construction project, from AdroitIn a phase-based WBS, you create work packages with tasks by using the project phases. In the example below, there are five elements (phases):DesignProcurementConstructionInspectionTurnoverThese phases are pretty standard but you can adapt them to your needs. Below level two elements are
the deliverables for each phase - the control accounts, which youd break down into work packages. It doesn't matter what type of WBS you choose, the lower levels are always deliverables. Here's a phase-based WBS example for a piping project, from AdroitHeres what that looks like with the terminology we spoke about before: A responsibility-based
WBS is created on the organisational chart of project participants, which consists of teams and task owners. The second WBS level will include the ownership structure and the lower levels identify project deliverables. Here's a responsibility-based WBS example for an online shop, from Visual ParadigmWhy is the Work Breakdown Structure crucial to
construction? Construction projects are expensive, complex and long. That increases risk and makes the cost of failure a scary prospect. Thats where the WBS steps in and offers a calming hand. Heres how: A construction project will have a complex scope that involves many tasks across the construction phases. Using a WBS, you can break down the
project scope into manageable work packages with progress and cost tracking. Its easy (and understandable) to get overwhelmed when drafting a project scope. By visually representing the work, you can strategise to optimise with a bird's eye view. The WBS sticks to the project scope. Every work package should only include the
work demanded by the parent task. This means you can avoid scope creep and ensure you only do the work youre paid for - and get paid when extra work comes up by referring back to the WBS.A WBS follows the 100% rule - which means it must include all project deliverables in the project scope across engineering, procurement, or
construction. This means you can easily track the project covered or encapsulated under that work breakdown structure. Nothing is worse than missing a whole area of work and this can act as a checklist to help you ensure that you don't miss
major elements of work."- Tom Stephenson, PM Tips: What is a work breakdown structureYou can treat a WBS like a Gantt chart to visualise project progress and also track costs against elements, phases and deliverables. There are plenty of formats available online to do this. It makes creating and sharing easy-to-understand reports a cinch. A WBS
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software or tool simplifies and democratises project information for everyone. Construction project teams can share updates in real time, recognise any potential delays, and synchronise to take action. By speaking the same project language, you reduce to-and-fro communication and limit misunderstandings. WBS makes it easy to draft project management documents for SOPs and reporting. Based on status updates, you can modify project deliverables, milestones, and quality control expectations - and optimise on-ground execution accordingly. How to create a construction work breakdown structure Your typical WBS for construction has 3 main levels - the first is of the final project outcome, the middle-level lists project deliverables and the bottom level includes the work packages for each parent task. Heres how to create WBS for construction project managementStep 1: Determine resource availabilityCollect all the information on the

construction project. This includes information like engineering studies, pre-design work, drawings, project financials, past project data, management objectives, sales proposals, supplier information, etc. Step 2: Create a project planUsing information from the first step, create the project charter, project budget and WBS dictionary. In our work breakdown structure example, our project objective is to construct a house. Step 3: Create a work breakdown structure format from choices like kanban boards, Gantt charts, calendars or flowcharts. In our construction WBS example, we have selected a phasebased WBS depicted using a tree diagram. Step 4: List phases and project deliverables First, create a parent task list based on the WBS levels will look this -Level 1: Construction of a house Level 2: Internal - further divided into subtasks like Electrical, Plumbing Foundation - further divided into subtasks like Excavation, Steel ErectionExternal - further divided into subtasks such that you get the lowest level of work that can be assigned to team members. These tasks should be discrete such that you can estimate their budgets, fix timelines, and track completion status. In our example, we can create work packages for a few parent tasks: Steel Erection - Place columns, install beams, joists, etcElectricals - install wirings, HVAC equipment, rough-in electricals - install wirings, HVAC equipment house as follows: Source: matchware.comWhy you need to get the team involved in the work breakdown structure creationThe WBS doesnt sit in a vacuum. Each step involves other companies, teams and people. Each one needs to understand their role in the project and the WBS justifies their to-do list. There will be no ambiguity. Include them early as theyre experts in their roles, meaning they can sense check and add value during the planning. By involving the stakeholders in the process, you also instil a sense of accountability. Tips for Creating a Strong Work Breakdown StructureHere is a 10-point checklist to ensure your construction work breakdown structures are perfectly usable: Your WBS should only cover the project scope with the subtasks adding up to the parent task. Your WBS needs at least 2-3 levels. Only add more levels to make your WBS work packages more 'manageable'. Stop tasks from overlapping or repeating across the construction project's WBS. Keep WBS work packages at the bottom so you can estimate costs, define quality measures, fix timelines, and track their completion date. Make your WBS easy to understand. You can use colour coding, hierarchical lists, or WBS-specific tools. Check if your WBS misses any phases or steps in your construction project. Do not focus on 'actions'. Instead, optimise for 'outcomes'. Your divided tasks should have a hierarchy, reasonable timeline, and clarity on the input-output sequence. Make sure your project team members understand how to read and update the WBS. Consult subject matter experts and take feedback from project management efforts. Since creating one is a team effort, as a project manager, you may face below challenges: Managing the project team dynamicsOne of the biggest challenges we faced was resistance to change. Some team members were hesitant to adopt a new methodology, which resulted in delays in implementing WBS. However, we overcame this challenge by providing training and support to our team members, which helped them understand the benefits of using WBS and how it could improve project management. Isaac Robertson, CEO of Total ShapeGrasping the WBS concept can be tricky and lead to pushback. Thats why you need to get the buy-in and manage the process. The results speak for themselves. Creating WBS is time-consuming "The WBS takes time to develop, and many organisations are under pressure to start their projects." Project Management Institute (PMI) You will spend longer drafting a sound WBS for larger projects. Its normal. But using templates, learning from past projects and establishing SOPs can reduce how long it takes. Turning the WBS into a schedule of works your WBS is not the project schedule of works a role. Don't overload the WBS with details and deadlines at this stage. Stick to the deliverables, not the sequencing. Lots of incomplete or inaccurate dataUsing inaccurate data for WBS can compound into larger issues and risks during the project. Make sure the information included is as accurate as possible. But also leave room for unforeseen deliverables. Things to avoid when creating a WBSHeres a list of things you need to avoid when creating the work breakdown structure. Failing to involve all team members in the creation process Give your project team clarity on the project scope and delivery expectations. Failing to onboard the team members in the creation process Give your project team clarity on the project scope and delivery expectations. adding the minutest of tasks to the WBS. The same goes for going overboard. Yes, you need to follow the 100% to cover the project scope but you need to follow the project scope but you need to recognise when youre making the WBS complex or too simple. Failing to assign responsibilities for each work package WBS lets you estimate the projects labour and duration for the project which helps with project budgeting and risk management. Dont stop there, ensure you reasonably assign each work package and get feedback from your team. Failing to establish change control and monitoring SOPs to accommodate any customer-driven or team-driven or team-driven changes. Extra tips on how to use a WBS in construction projects, let's look at how to make the best use of them: Assign responsibilities: After securing the work packages' buy-in from key stakeholders, assign them to respective team members. Incorporate any feedback and solve their concerns for a smooth delegation. Set deadlines: Use past project data and consult with the team members to fix a reasonable completion date for the tasks assigned. Track progress: Incorporate SOPs for progress tracking. You can automate project tracking by using work breakdown structure software tools. Monitor costs: Compare estimates with on-ground execution expenses to take timely measures for cost control. Communicate with stakeholders: Set up relevant communication channels to update and report on project status. Adjust as required: while the project charter ideally should not change, you can adjust the activities as the situation demands. Frequently asked questions (FAQ)What is the 8-80 rule in WBS? The WBS 8-80 rule says you no task says that no chunks of work can take less than 8 hours and longer than 80 hours to complete. This means tasks are between one 8-hour working day and two full working weeks for two operatives. Who is responsible for the WBS? Everyone involved in the project is responsible for the WBS creation and execution. It must be usable and comprehensive for all stakeholders. The project scope into manageable deliverables and work packages.

Project wbs example. Construction project wbs sample. What is wbs in construction project.