

# Work Breakdown Structure (WBS)

- A **work breakdown structure (WBS)** is a method used to define group of project's discrete work elements (or, **tasks**) in a way that helps organize and define the total work scope of the project.
- **WBS element** may be a product,  
data,  
a component,  
a service, or  
any combination.
- **100% rule:** The WBS represents 100 percent of the work required to produce the final products, and, therefore, all tasks must add up to 100% of the total scope and should not go over 100%.

Column 0	Column 1	Column 2	Duration	Predecessors
Column 0	Column 1	Column 2	Column 3	Column 4
1	1	SPM Project Team5		
2	1.1	Project Initiation		
3	1.1.1	Develop project charter	4 days	
4	1.1.2	Develop Statement Of Work	6 days	3
5	1.1.3	Develop preliminary scope development	2 days	3,4
6	1.1.4	Develop preliminary architectural model	3 days	3,4,5
7	1.1.5	Project initiation complete	0 days	3,4,5,6
8	1.2	Project plan		
9	1.2.1	Develop scope management plan	1 day	2
10	1.2.2	Develop change management plan	1 day	9
11	1.2.3	Develop initial descriptive budget	9 days	9,10
12	1.2.4	Develop schedule	1 days	10,11
13	1.2.5	Develop quality management plan	1 days	12
14	1.2.6	Develop human resource plan	2 days	10,13
15	1.2.7	Develop risk management plan	1 day	10,14
16	1.2.8	Project plan complete	0 days	9,10,11,12,13,14,15
17	1.3	Project Execution		
18	1.3.1	Release 1		
19	1.3.1.1	Analysis phase	17 days	8
20	1.3.1.2	Design phase	14 days	19
21	1.3.1.3	Construction phase	11 days	20
22	1.3.1.4	Validation phase	11 days	21
23	1.3.1.5	Deployment phase	2 days	22
24	1.3.1.6	Closeout	1 day	23
25	1.3.1.7	Release 1 Complete	0 days	24
26	1.3.2	Release 2		
27	1.3.2.1	Analysis phase	8 days	18
28	1.3.2.2	Design phase	7 days	27
29	1.3.2.3	Construction phase	5 days	28
30	1.3.2.4	Validation phase	5 days	29
31	1.3.2.5	Deployment phase	1 day	30
32	1.3.2.6	Closeout	1 day	31
33	1.3.2.7	Release 2 Complete	0 days	32
34	1.3.3	Execution complete	0 days	
35	1.4	Project Closeout	1 day	17
36	1.5	Project Complete	0 days	35