

Peer-graded Assignment: Module 1: Work Breakdown Structure (Graded)

1) Instruction

In this assignment, we want you to create a **Work Breakdown Structure (WBS)** for an online shopping website.

On this website, customers would be able to browse and search products. They are able to add products to a shopping cart and purchase items in the shopping cart. There are advertisements on the website which are purchased by external companies to advertise their product or service. These appear down the side of the website. There are also banners that display deals or discounts to the shopper. These appear front and centre, and only display deals for the online shopping website.

Create a **Work Breakdown Structure (WBS)** for this product that is at least **three (3) tiers**. Make sure that work products on the WBS are broken down to appropriate sizes. Include all the features described above. You may also add other features or work products that you feel would be relevant to the product.

You may use any program to create your work breakdown structure, or you may choose to draw it by hand.

Please upload your image as a **PDF, JPEG, or PNG** file type.

Review criteria

This peer review process gives you the opportunity to apply your knowledge from the lessons.

You will be providing feedback to your peers in the following areas:

Completeness of Work Breakdown Structure:

- Do all the specified features of the online shopping website appear in the WBS?
- Does the WBS have at least three tiers?

Correctness of Work Breakdown Structure:

- Do the elements of the WBS clearly represent the online shopping website?
- Are the elements of the Work Breakdown Structure broken down to an appropriate size?

2) My Submission

RUBRIC (to get points)

Was the image uploaded as a JPEG, PNG, or PDF file type?

1 pt = Yes

0 pts = No

Did the WBS have at least three tiers?

1 pt = Yes

0 pts = No

Did the learner have "Online Shopping Website" (or similar wording) as the top tier of the WBS?

1 pt = Yes

0 pts = No

Did the learner break down elements into appropriate sized work products?

3 pt = Always

2 pts = Most of the time

1 pt = Some of the time

0 pts = Never

The learner was asked to include the following features: **Browsing Products, Searching Products, Adding to Cart, Purchasing Items, Advertisements, and Banners**. Did the learner include these features in the WBS

5 pts = All of the specified features appear in the WBS

4 pts = One of the specified features is missing from the WBS

3 pts = Two of the specified features are missing from the WBS

2 pts = Three of the specified features are missing from the WBS

1 pt = Four of the specified features are missing from the WBS

0 pts = None of the specified features appear in the WBS

For the features in the WBS, has **programming, testing, and documentation** (or similar wording) been included in the WBS?

3 pts = All 3 of the following words (or similar) were included: Programming, Testing, and Documentation

2 pts = 2 of the following words (or similar) were included: Programming, Testing, and Documentation

1 pts = 1 of the following words (or similar) were included: Programming, Testing, and Documentation

0 pts = None of the following words (or similar) were included: Programming, Testing, and Documentation.

Do you have any comments or suggestions for your peer?

Peer-graded Assignment: Module 2: Release Planning (Graded)

Instructions

This assignment will challenge you to organize a set of user stories into a series of sprints that will comprise a release plan for personal development software product:

Your experienced development team is taking on a new project—creating a health monitoring application that will allow athletes and their coaches to track various aspects of their health.

Athletes will be able to:

- track the meals they eat,
- their water consumption,
- their physical activity,
- their goals, and
- their weight

Coaches will be able to view the information that their athletes enter.

The user will enter personal information such as:

- height,
- current weight, and
- target weight.

Identify at least 10 dependencies and then generate a release plan with four sprints based on the prioritized release backlog. You may place any unassigned user stories in a backlog.

For the past two projects, this development team has completed 20 story points per sprint. Use this value as the maximum amount of story points per sprint.

Organize the following 25 user stories into a release plan featuring four sprints.

Submit your finished work as a PDF document.

You can download the list of user stories (with priorities, risks, and story points) here:

[C4 Release Plan User Stories V2.xlsx](#)

Or if you would prefer, here is a PDF print-out of the user stories: [C4 Release Plan User Stories V2.pdf](#)PDF File

My submission

Was each sprint assigned 20 story points or less? (and no less than 17 story points)

1 point Yes

0 points No

Were all 'Must Do' priority user stories scheduled to be completed before any 'Should Do' user stories?

1 point Yes

0 points No

Were all 'Should Do' priority user stories scheduled before any 'Could Do' user stories?

1 point Yes

0 points No

Did Sprint 1 contain all of the High Risk/High Priority user stories? (These are user story #5 and user story #19)

1 point Yes

0 points No

Are all High Risk/Low Priority user stories placed in the backlog? (This is user story #13)

1 point Yes

0 points No

Did the learner identify at least 10 dependencies?

4 points 10 (or more) dependencies were identified.

3 points 7-9 dependencies were identified.

2 points 4-6 dependencies were identified.

1 point 1-3 dependencies were identified.

0 points No dependencies were identified.

For each dependency that the learner identified, did all dependent user stories appear after (or in the same sprint) as the user story that it was dependent upon?

(i.e. If user story B is dependent on user story A, did user story B appear in a sprint after (or in the same sprint) as user story A)

3 points Always - All dependencies were accounted for correctly.

2 points Usually - Most of the dependencies were accounted for correctly.

1 point Rarely - Some of the dependencies was accounted for correctly.

0 points Never - None of the dependencies were accounted for correctly (or the learner did not identify any dependencies).

Is an accurate total number of story points within each sprint provided?

1 point Yes

0 points No

Does each user story assigned to a sprint include the original user story ID# as well as the written description of the user story?

1 point Yes

0 points No

Peer-graded Assignment: Module 3: CPM Chart (Graded)

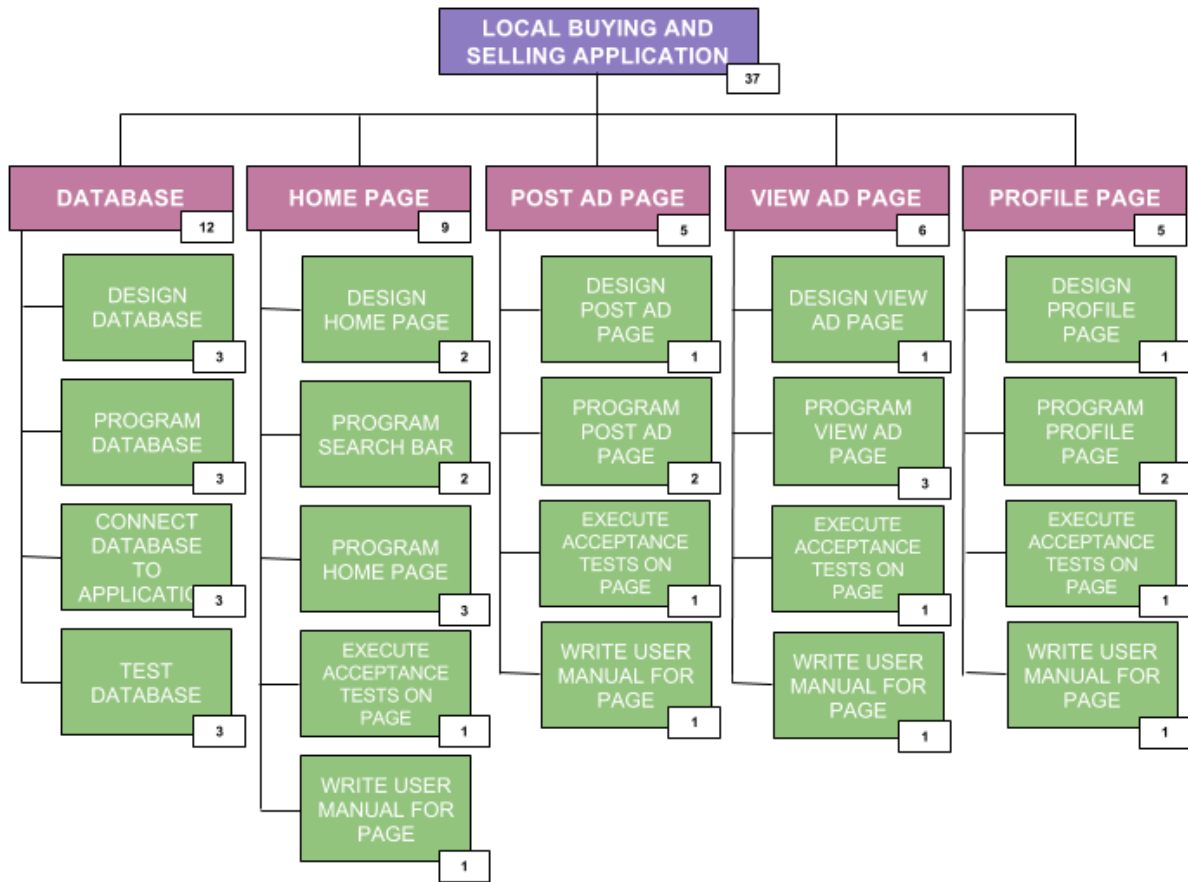
In this assignment, take the following work breakdown structure and organize it into a CPM Chart.

The estimated time, is measured in days, and they appear in the boxes in the bottom right corner of each task.

For the purpose of having dependencies, the design for a feature must be complete before programming for that feature can occur. The feature design must also be complete before the user manual can be written for that feature. You must program the home page, before you program the search bar. The programming for the search bar and homepage does not need to be completed before you connect the database to the application (these can be done in parallel). The programming for a feature must be complete AND the database must be connected to the application before you can execute acceptance tests.

The programming for the database must be complete before you can connect the database to the application. You can test the database after the database is connected to the application.

For simplicity, you can combine all the acceptance tests tasks to one line named "Execute Acceptance Tests on All Pages" that takes 1 day to complete.



You can create the CPM Chart for the product using any program that you wish. You may also choose to draw the CPM Chart by hand.

Upload your finished CPM Chart to Coursera. Please submit your CPM Chart as a JPEG, PNG, or PDF file type.

Review criteria

This peer review process gives you the opportunity to see a number of approaches to the same task while also seeing the creativity and insights of your peers.

You will be given the opportunity to review the assignments of your peers and provide feedback.

Others may choose to take a different direction that you did. This is the great thing about these assignments. We want everyone to take their own approach. Please respect this when you are reviewing the work of others.

You will be providing feedback to your peers in the following areas:

Completeness of CPM Chart:

Do all the elements of the mobile application appear in the CPM Chart?

Correctness of CPM Chart:

Do the elements of the CPM Chart clearly represent what is present in the application?

RUBRIC

Was the image uploaded as a JPEG, PNG, or PDF file type?

1 pt Yes

0 pts No

Did the learner place the tasks on the nodes? (i.e. not on the edges)

1 pt Yes

0 pts No

Did the learner place the time estimates on the nodes? (i.e. not on the edges)

1 pt Yes

0 pts No

Did the learner place the task for designing a feature before the task for programming a feature?

There are 5 features that had to be designed before programmed: Database, Home Page, Post Ad Page, View Ad Page, and Profile Page.

5 pts 5 features were scheduled to be designed before programmed

4 pts 4 features were scheduled to be designed before programmed

3 pts 3 features were scheduled to be designed before programmed

2 pts 2 features were scheduled to be designed before programmed

1 pt 1 feature was scheduled to be designed before programmed

0 pts 0 features were scheduled to be designed before programmed

Did the learner place the task for designing a feature before the task of writing the user manual for the feature?

There are 4 features that had to be designed before documented: Home Page, Post Ad Page, View Ad Page, and Profile Page.

4 pts 4 features were scheduled to be designed before documented

3 pts 3 features were scheduled to be designed before documented

2 pts 2 features were scheduled to be designed before documented

1 pt 1 feature was scheduled to be designed before documented

0 pts 0 features were scheduled to be designed before documented

Did the learner schedule the programming of the homepage before the programming of the search bar?

1 pt Yes

0 pts No

Did the learner schedule the acceptance tests for the features after the features had been programmed and connected to the database?

1 pt Yes

0 pts No

Did the learner schedule the task of programming of the database before the task of connecting the database to the application?

1 pt Yes

0 pts No

Did the learner schedule task of testing the database after the task of connecting the database to the application?

1 pt Yes

0 pts No

Do you have any suggestions for ways that the learner could improve their CPM Chart?

RUBRIC

Was the critical path on the CPM chart:

Design Database --> Program Database --> Connect Database to Application --> Test Database

5 pts Yes

0 pts No

RUBRIC

The minimum time that a project could be completed in is the sum of all the tasks in the critical path. If the learner provided the correct critical path, the answer is 12 days.

If the learner provided the wrong critical path, their answer should be the sum of all the tasks in their critical path. If the learner's answer is the sum of all the tasks in their critical path, you can grant them full points for this question.

Did the learner provide the correct minimum number of days (based on their critical path)?

2 pts Yes

0 pts No