

Updated Project Plan

WBS

1. Discovery

- 1.1.1. Identify the problems and requirements of Victoria (2 hours)
- 1.1.2. Analyse the dataset from the Victorian Transport Department (1 hour)
- 1.1.3. Share each team member's findings (1 hour)
- 1.1.4. Set up a documentation plan (3 hours)

2. Documentation

2.1. Project plan

- 2.1.1 Peruse the project plan template (2 hour)
- 2.1.2 Complete the work breakdown structure (1 hour)
- 2.1.3 Make a first draft for a Gantt chart (1 hour)

2.2. Software Design Document

- 2.2.1 Finish the system vision planning document (1 hour)
- 2.2.2 Discuss the requirements of implementing a program (3 hour)
- 2.2.3 Complete use cases (1 hour)
- 2.2.4 Discuss the system components and software design (2 hours)
- 2.2.5 Brainstorm for user interface design (2 hours)
- 2.2.6 Provide a visual design prototype (6 hours)

3. Design

- 3.1 Identify an optimised design for users (2 hours)
- 3.2 Create a final prototype for the user interface (6 hours)
- 3.3 Design the user interface and layout (6 hours)
- 3.4 Design a program structure (4 hours)
- 3.5 Check the progress of the design stage in the meeting (2 hours)

4. Implementing

- 4.1 Construct the foundation of the program (4 hours)
- 4.2 Distribute detailed development processes for each team member (2 hours)
- 4.3 Connect the given dataset to Python (2 hours)
- 4.4 Write code and stage test for Graphic User Interface (GUI) programs (96 hours)
- 4.5 Check the progress of GUI in the meeting (3 hours)
- 4.6 Write code for logical operation of program (72 hours)
- 4.7 Check the progress of the logical operation of the program in the meeting (3 hours)
- 4.8 Finalise the document and double check each function of the program (2 hours)

5. Testing

- ~~5.1 Create a test list (3 hours)~~
- ~~5.2 Conduct tests (6 hours)~~
- 5.1 Have a team meeting for the overview of a test plan (1 hour)
- 5.2 Create a test list (3 hours)
- 5.3 Conduct unit tests (3 hours)
- 5.4 Conduct coverage/acceptance testing (3 hours)
- 5.5 Analyse test data and find improvements (2 hours)
- 5.6 Write a testing report (2 hours)

Only the updated WBS parts from the initial document (Assignment1) are marked in red.

Activity Definition

#	Definition	Estimation
Design		
3.5	Check all elements of the design part before moving on to the implementing part during the meeting	2 hours
Implementing		
4.2	Based on the GUI prototype, each team member's roles and tasks will be allocated during the meeting.	2 hours
4.5	Share the progress of GUI from each team member respectively during the meeting and modify the parts which are incorrectly implemented.	3 hours
4.7	Communication about the logical operation of the program is regularly undertaken using Github and Discord, and follow-up meetings are conducted to make sure every team member understands the progress.	3 hours
4.8	Double check the requirements of the GUI and the logical operation of the program and finalise them.	2 hours
Testing		
5.1	Conduct a team meeting on how to organise the test plans.	1 hours
5.2	Create a test list in advance and record all necessary details before conducting the tests.	3 hours
5.3	Modify source code to find any errors for the current version of the program	3 hours
5.4	Conduct coverage and acceptance testing and record their results.	3 hours
5.6	Complete a test report from discovered errors and their improvement during the tests.	2 hours

Only the updated WBS description is illustrated in this document

Gantt Chart

The updated Gantt chart file is included in the submission.