Project Plan

<Project Name>

Student Names

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# Introduction

## Background

## Scope

## Document contents

*Include some background information about the problem, the scope and what this document will contain.*

# Work Breakdown Structure

*This section should include the work breakdown structure for the whole project. The elements from the WBS should be used to generate your activity definition and those activities should then be scheduled in the Gantt Chart. Remember to consider ALL project activities – anything you do or will need to do should be included in the WBS*

*WBS’s are usually presented as some kind of hierarchical diagram/chart etc. The details what is involved each work unit should be provided in section 3:* ***Activity Definition***

*You do NOT need to do a WBS Dictionary for this project – the activity definition (whilst slightly different) will suffice. The WBS is focussed on SCOPE. The Activity definition is focussed on TIME.*

1. Concept
   1. Develop project plan
   2. Define requirements
      1. User requirements
      2. Software requirements
      3. Use Case & Use Case Diagram
2. Design
   1. Define software components
      1. Functions
      2. Data structures
   2. User interface Design
      1. Structural Design
      2. Visual Design
3. Software Development
4. Test
   1. Unit test
   2. Coverage Report
   3. Requirement Acceptance Testing
5. Executive Summary

# Activity Definition & Estimation

*From your WBS, define the activities required for your project. You will revise this document and add more detail for part B as you discover more about the project.*

*Each activity should be clearly identified by a number and should match up to your Gantt chart. You should provide some estimations for the time you think each activity will take. This should make it easy to prepare your Gantt chart.*

1. Concept
   1. Develop project plan

* Develop project plan including Introduction of the project, Work Breakdown Structure(WBS), Activity definition, Activity estimation for the time, and Gantt Chart.
* Estimation for the time taken is 1 day
  1. Define requirements
     1. User requirements

- Detail how a user interacts with or uses the program from the end user’s perspective

- Estimation for the time taken is 2 days

* + 1. Software requirements

- Detail the requirements for the software and functionality it will provide

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* + 1. Use Case & Use Case Diagram

- Detail how users will perform tasks on the software

- Diagram of a user's possible interactions with software

- Estimation for the time taken is

1. Design
   1. Define software components
      1. Functions

- list all preliminary functions in the software. This includes detailed description of each function as follows:

* + - what function does
    - input parameters, data types used, what these are used for
    - side effects caused by the function
    - function's return value
    1. Data structures

- List all data structures in the software (e.g. linked lists, trees, arrays etc) or eternal data sources. This includes detailed information as follows:

* Type of structure
* Description of where and how it is used
* List of data members
* and what each one is for do
* List of functions that use it
  1. User interface Design
     1. Structural Design

- Design the navigational and information structure of software.

* + 1. Visual Design

-Detail visual design based on structural design by sketch or wireframe or mock-up

-

1. Software Development

-Develop software based on defined requirements, software components and design

1. Test
   1. Unit test

- Test software with focusing on components of a software product.

* 1. Coverage Report

- Define the coverage of unit tests, including how it is evaluated (function, statement, branch, condition)

* 1. Requirement Acceptance Testing

- Test software to determine whether it has met the defined requirement specifications

1. Executive Summary

- Analyse the data over a 12 month period and present the results from all required features for chosen dataset

# Gantt Chart

*This section should contain your Gantt chart. The items in the Gantt chart should match the activity definition from section 3. You should also submit your Gantt chart file separately.*