Project Plan

<Project Name>

Student Names

Table of Contents

[1.0 Introduction 3](#_Toc46748287)

[1.1 Problem Background 3](#_Toc46748288)

[1.2 Scope 3](#_Toc46748289)

[1.3 Document contents 3](#_Toc46748290)

[2.0 Work Breakdown Structure 4](#_Toc46748291)

[3.0 Activity Definition & Estimation 5](#_Toc46748292)

[4.0 Gantt Chart 6](#_Toc46748293)

# Introduction

## Background

## Scope

## Document contents

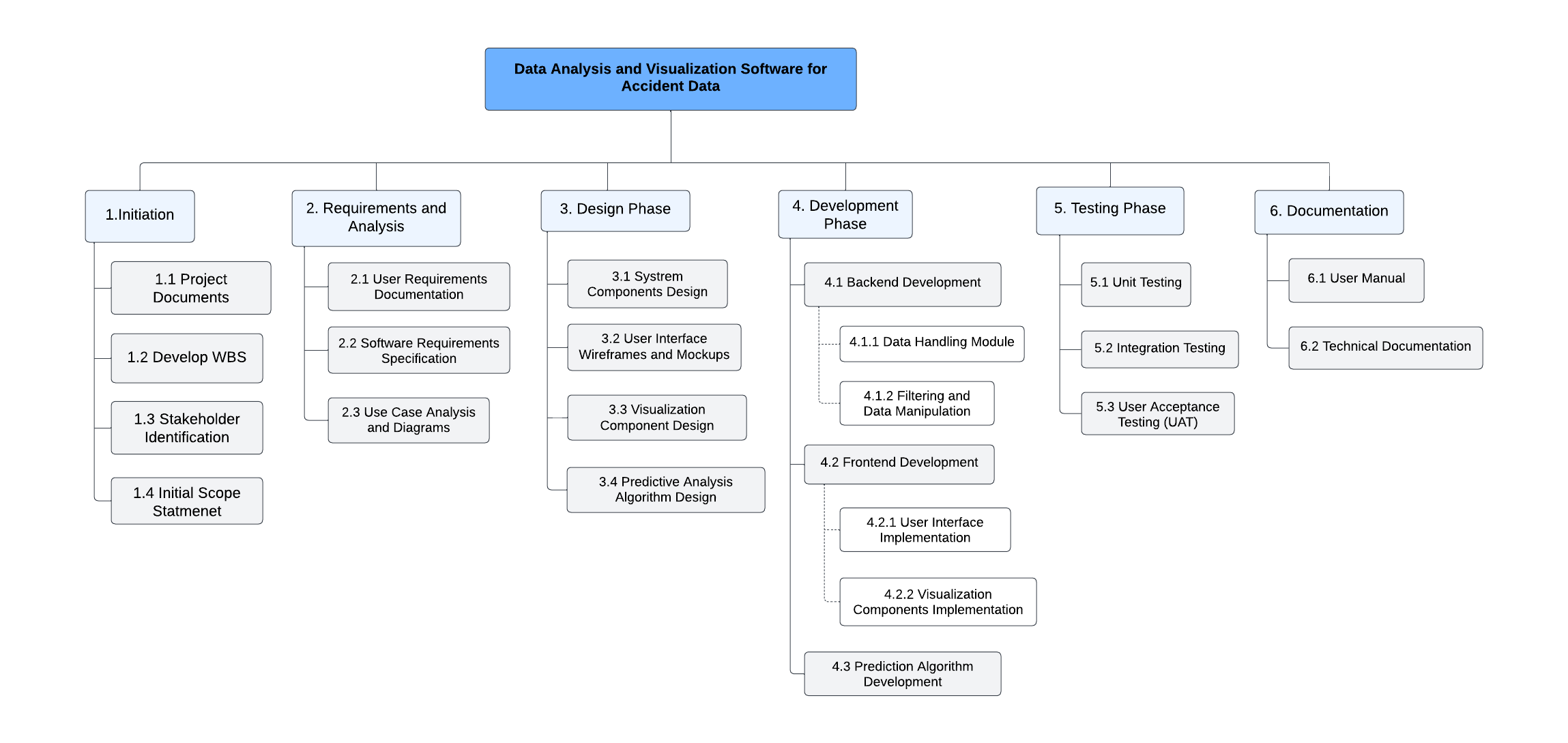
*Include some background information about the problem, the scope and what this document will contain.*

# 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.*



# 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.*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Task ID** | **Description** | **Effort** | **Resources** | **Predecessor** |
| Project Initiation | | | | |
| 1 | Develop Project Documents | 1 day | Project Manager, Business Analyst | 0 |
| 2 | Develop WBS | 2hrs | Project Manager, Project Team | 1 |
| 3 | Identify Stakeholders | 1hr | Project Manager, Project Team | 1 |
| 4 | Define Initial Scope Statement | 2hrs | Project Manager, Business Analyst | 1 |
| Requirements and Analysis | | | | |
| 5 | Gather User Requirements | 1 hr | Business Analyst, Data Scientist | 3,4 |
| 6 | Document Software Requirements | 1 hr | Business Analyst, Software Architect | 5 |
| 7 | Create Use Case Diagrams | 1 hr | Business Analyst, UI/UX Designer | 5 |
| Design Tasks | | | | |
| 8 | Design System Components | 3 hrs | Software Architect, System Designer | 6,7 |
| 9 | Develop User Interface Wireframes | 3 hrs | UI/UX Designer | 8 |
| 10 | Design Visualization Components | 3 hrs | UI/UX Designer, Data Analyst | 8 |
| 11 | Design Predictive Analysis Algorithm | 2 hrs | Datta Analyst, Software Developer | 8 |
| Development Tasks | | | | |
| 12 | Backend: Develop Data Handling Module | 4 hrs | Software Developer, Data Analyst | 10 |
| 13 | Backend: Implement Data Filtering | 4 hrs | Software Developer, Data Analyst | 12 |
| 14 | Frontend:  Implement User Interface | 3 hrs | Software Developer, UI/UX Designer | 13 |
| 15 | Frontend: Develop Visualization Components | 3 hrs | Software Developer, Data Analyst | 10 |
| 16 | Develop Prediction Algorithm | 1 day | Data Scientist, Data Analyst | 13,15 |
| Testing Tasks | | | | |
| 17 | Conduct Unit Testing | 2 hrs | QA Testers, Software Developer | 12,13,14,15,16 |
| 18 | Perform Integration Testing | 2 hrs | QA Testers, Software Developer | 17 |
| 19 | User Acceptance Testing (UAT) | 2 hrs | QA Tester, Project Manager | 18 |
| Documentation | | | | |
| 20 | Create User Manual | 3 hrs | UI/UX Designer | 19 |
| 21 | Prepare Technical Documentation | 2 hrs | Software Architect | 16,19 |

*Should we include “Cost”? Include Updating Gantt chart?*

# 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.*