Project Plan

<Victoria State Accident DataSet>

Eddie Thompson s5282264

Fletcher Bradley s5292215

Kei Giliam s5270448

Assignment Groups 130

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

This document is a project planning for displaying all data, visual charts, search keywords, and analysis in categories from a database. The database is a dataset of Victoria State Accident Dataset. [1] This dataset is –. The road safety data is provided by VicRoads. [2] The dataset includes;

* Object ID
* Number of accident
* ABS codes
* Whether accident reopened or finish
* Accident date
* Accident time
* Whether accidents affected by alcohol
* Type of accident
* Day of week
* Reason to get accidents

Etc. (63 different columns)

This project is for improving road safety of users to retrospective review of the data to understand road safety and accident threads.

## Scope

This project runs 10 weeks (including 1 week off) 4/8/2023 to 08/10/2023 (week off on 14/8/2023 to 20/8/2023).

The milestones are divided by 2 parts:

4/8/2023 to 3/9/2023

* Pre-Plan Document
* Prepare Project Plan Document
* Prepare Software Design Document

4/9/2023 to 8/10/2023

* Developing
* Testing

Data inclusion (columns):

* Object ID (OBJECTID)
* Number of accident (ACCIDENT\_NO)
* ABS codes (ABS\_CODE)
* Accident date (ACCIDENT\_DATE)
* Accident time (ACCIDENT\_TIME)
* Whether accidents during standard trading hours (ALCOHOLTIME)
* Type of accident (ACCIDENT\_TYPE)
* Day of week (DAY\_OF\_WEEK)
* Reason to get accidents (DCA\_CODE)
* Light condition (LIGHT\_CONDITION)
* Whether accidents affected by alcohol (ALCOHOL\_RELATED)

Data exclusion (columns):

* Whether accident reopened or finish (ACCIDET\_STATUS)
  + The result is 100% finished
* Number of males (# MALES)
* Number of females (# FEMALES)
  + Both genders numbers are similar
* Number of unlicensed drivers (# UNLICENSED)
  + The number is almost 0

This project aims to create visual data applications by charts and tables, using the Victoria State Accident Dataset as resources. [1]

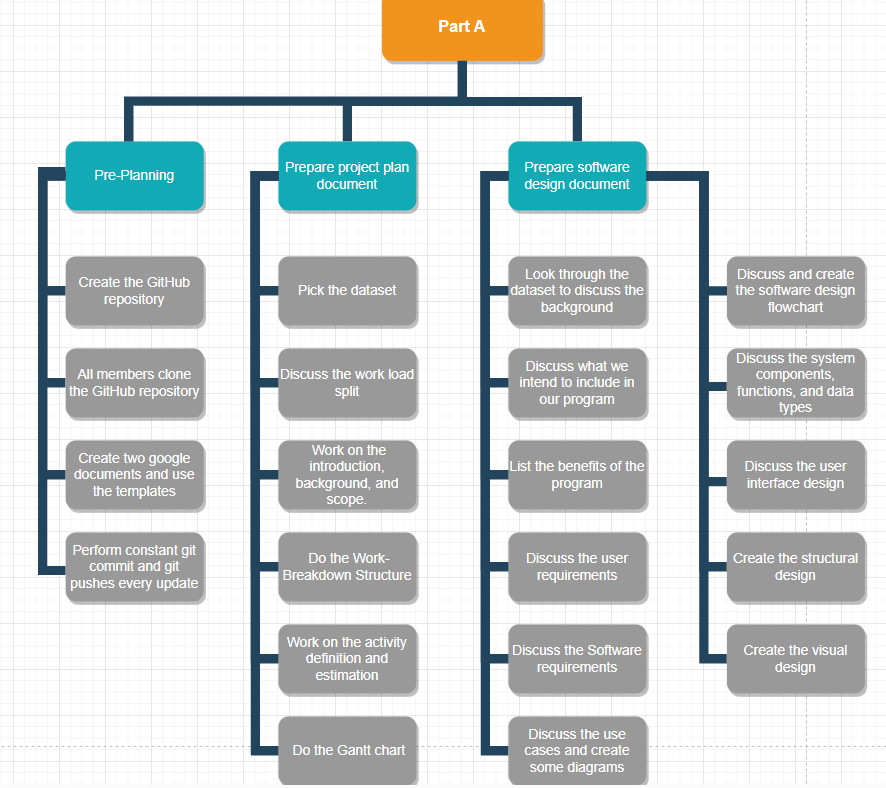
The risks and threats of this project is loss of data. Keeping backup of this data will avoid the risk.

## Document contents

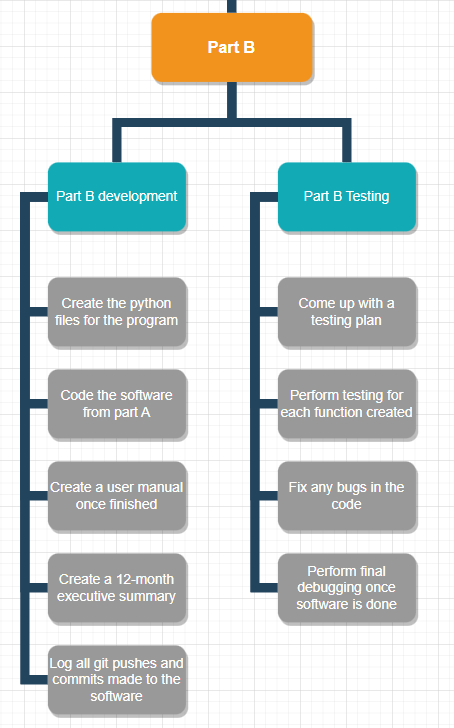
These documents contain

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

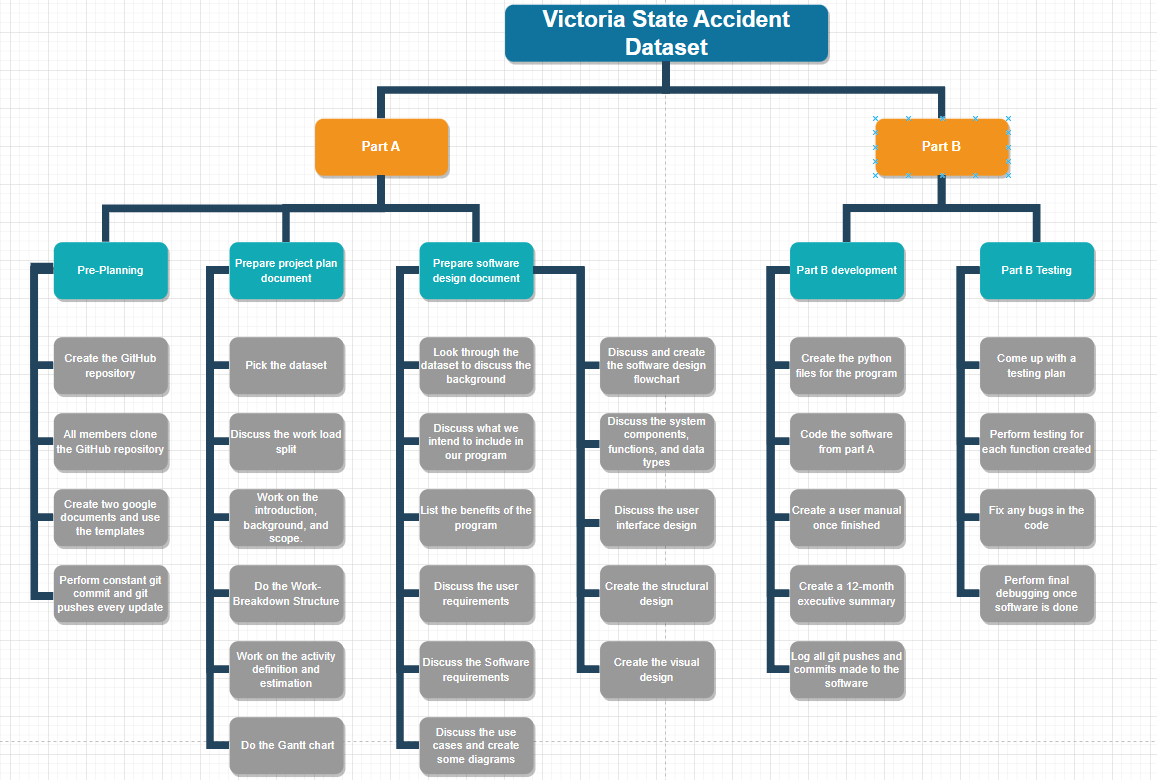
# Work Breakdown Structure



**Figure 1: Work Breakdown Structure Part A**

****

**Figure 2: Work Breakdown Structure Part B**



**Figure 3: Full 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

## Pre-Planning

1. Create the GitHub Repository: One member will create a GitHub repository using the given files from the assignment overview. ETA: 20 minutes.
2. All members clone the GitHub Repository: Each member will clone the GitHub Repository onto their own machines so they can commit and push updates made. ETA: 15 minutes.
3. Create two google documents and use the templates: One member will create two google documents using the templates given, one for the project plan document, and one for the software design document. ETA: 15 minutes.
4. Perform constant git commit and git pushes every update: All members will use git commit and git pushes to update the remote repository every time the document has been updated. ETA: Throughout the whole assignment duration.

## Prepare Project Plan Document

*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.*

# 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.*

# Reference

[1] G.Chauhan, “Victoria State Accident DataSet”. Kaggle. https://www.kaggle.com/datasets/gaurav896/victoria-state-accident-dataset (accessed Aug. 31, 2023).

[2] Victoria State Government, “Safety & Road Rules”. Vicroads. https://www.vicroads.vic.gov.au/safety-and-road-rules (accessed Aug. 31, 2023).