**CHANGE DOCUMENT**

**Victoria State Accident Dashboard**

**Submitted By:**

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# Overview

This document outlines the changes made from the initial plan. Major changes are primarily the following:

1. The 5th functional requirement was revised from showing the data on road users to data by regional location. This is primarily because the team believes that including the location would be more useful in the analysis, since it is pertinent to understand the performance of each area. Different areas of the state have different sets of departments who are responsible for implementation. Understanding which areas are doing well and which ones are falling behind will help improve accountability in creating or implementing policies.
2. The initial user interface had 2 pages where the first page contains the user manual with a heat map for design purposes, while the second page contains the widgets, charts, and table, that will be utilized for analysis. The team decided to make the dashboard more concise, by incorporating everything in one page. The user manual was shortened to a quick start version (the more comprehensive copy will still be available on a separate document).
3. The pie chart was also revised to a line graph, where the x-axis will show months. This is to address the requirement in the Executive Summary where we are required to analyse trends over a 12-month period.
4. The list of accident attributes that will be displayed in the system was also reduced from 25 down to 8 so that the analysis is more focused on the 5 functional requirements.
5. The WBS was updated for a more detailed breakdown of the development tasks to address the comment from the initial submission. Here, development order is use-case driven. Server architecture and server design were removed since this was no longer needed.
6. Gantt Chart was updated to align with the revised WBS and to track the team’s progress versus what was planned.

# List of Changes

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| **#** | **Title** | **Details of Changes** | **Date of Change** |
| 1 | Project Plan 1.2 Scope v2 | * Change on the 5th functionality * Inclusion of the Change Document in the project documentation list. | 6 Oct 2023 |
| 2 | Project Plan 1.3 Documents v2 | * Inclusion of the Change Document on the list. | 6 Oct 2023 |
| 3 | Project Plan 2.0 WBS v2 | * Show more detailed steps for development. * Removed server architecture and server design. | 6 Oct 2023 |
| 4 | Project Plan 3.0 Activity Definition & Estimation v2 | * Aligned with the revised WBS. | 6 Oct 2023 |
| 5 | Project Plan 4.0 Gantt Chart v2 | * Aligned with the revised WBS. * Updated to track progress | 6 Oct 2023 |
| 6 | Gantt Chart Excel File v2 | * Aligned with the revised WBS. * Updated to track progress | 6 Oct 2023 |
| 7 | System Design Document 1.2 System Overview v2 | * Changed the 5th functionality | 6 Oct 2023 |
| 8 | System Design Document 2.1 User Requirement v2 | * Changed the 5th functionality | 6 Oct 2023 |
| 9 | System Design Document 2.2 Software Requirement v2 | * Changed the 5th functionality * Removed the use of the URL on usability since this is now done through Tkinter. * Removed Linux on the physical requirement since the team only had MACOS and Windows laptops available to test if the program works | 6 Oct 2023 |
| 10 | System Design Document 2.3 Use Cases & Use Case Diagram v2 | * Revised Use Case 4 and 5 to change pie chart to line graph * Revised Use Case 5 to incorporate the revised 5th functionality * Revised the Use Case Diagram to incorporate the change in the GUI and the conversion of the pie chart to a line graph | 6 Oct 2023 |
| 11 | System Design Document 3.1 Software Design v2 | * Revised flow chart to incorporate change in GUI | 6 Oct 2023 |
| 12 | System Design Document 3.2.1 Functions v2 | * Revised to accommodate change in of pie chart to line graph | 6 Oct 2023 |
| 13 | System Design Document 3.2.2 Data Structures / Sources v2 | * Revised to remove excel file as a data source and retained csv file * Revised to bring down list of attributes that will be included from 25 to 8 | 6 Oct 2023 |
| 14 | System Design Document 3.2.3 Detailed Design v2 | * Revised to incorporate changes in code (e.g. use of Tkinter) | 6 Oct 2023 |
| 15 | System Design Document 4.1 User interface v2 | * Revised wireframe to reflect 1 page GUI | 6 Oct 2023 |
| 16 | System Design Document 4.2 Visual Design v2 | * Revised to reflect actual design | 6 Oct 2023 |