



**VeLog**

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| **GROUP PROJECT**  **SRS OUTLINE** |
| **Prepared by** Cheyenne Wetere & Logan Kawiti  **25 May 2016**  **Version i01** |
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# DOCUMENT DESCRIPTION

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| **Title** | AA GROUP PROJECT |
| **Author** | Cheyenne Wetere & Logan Kawiti |
| **Project Owner** | Savio Azavedo |
| **Document Date** | 25 May 2016 |
| **Document Version** | i01 |

DOCUMENT VERSION CONTROL

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| --- | --- | --- | --- |
| Version | Date | Author | Description |
| i01 | 25 May 2016 | Logan Kawiti | First AA Group Project SRS |
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1. **INTRODUCTION**
   1. PURPOSE

The purpose of this project is to provide a system that prevents ATC New Zealand from having to manually

enter vehicle logs. The project will be made of two applications – A web application that will eliminate data entry and ensure data integrity. The second will be a Windows application that allows the staff at

ATC New Zealand to edit the web application without having to directly change the web-application. They will also be able to add, edit, read and delete records through the windows app.

2.2. TARGET READERSHIP

This intended readership for this document is:

* ATC New Zealand

2.3. Development Team

The following team members were all involved in the creation of this project

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Role/Responsibility** |  | |
| Alex Delport | Windows application – Programmer, Team Manager | |
| Cheyenne Wetere | Windows application – Designer, Documentation | |
| Logan Kawiti | Web application – Designer, Documentation | |
| Manjusha Amirineni | Web application – Programmer, Database & Web Service Manager | |
| Paul Billaver | Project Tester | |
| Prince Cortez | Project Tester | |
| Tom Weston | Project Tester/ Documentation | |
| Savio Azavedo | Project Owner | |

2.4. RELATED DOCUMENTATION

The following documents are related to the content of this document and readers should be familiar with the contents of each.

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| --- | --- | --- | --- |
| **Document Title** | | **Author** | **Version / Date** |
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2.5. TERMS AND ABBREVIATIONS

The following terms and abbreviations are used within this document.

|  |  |
| --- | --- |
| Term / Abbreviation | Definition **(For the purposes of this document)** |
| VeLog | Vehicle Logger (Project Name) |
|  |  |

1. **PROJECT OUTLINE**
   1. Description

DESCRIPTION OF DATABASE

The Database serves two primary uses – the first being a place to store vehicle logs for the windows-application to read and the second is a method we have implemented so that staff will be able to edit the web-application without editing the application itself. We do this by using the database to populate fields that are fixed such as campus locations or ATC New Zealand divisions.

INTENDED USERS

The web-application is intended for staff members who are charging ATC New Zealand for their travel costs. The windows-application is being made for the accounting team at ATC New Zealand who will be able to export data and change the web-application select fields to their liking.

REQUIERED SPECIFICATIONS

To help our development team with the investigation phase, we ask the obvious questions such as “What do people want from this app?” and “How can this app be useful to ATC VeLog?” Brainstorming notes and ideas were carefully considered as to what’s important and what’s not. Therefore we have considered the following as eligible answers and took into consideration any barriers we might face.

• **Functionality:** An app that functions well, allows to leave a message, and the ability to retrieve important notices

• **Performance:** An app that performs well on different devices using a UWP platform

• **Design Constraints:** A Sophisticated look and design with ease of use, colors have been kept to a minimum and is appealing to the intended user

• **External interfaces:** VE Log app will run on android 4.4.2 or higher running devices and has been designed to be compatible for all screen sizes.

3.2. DESIGN

DATABASE DESIGN

**PHASE 1: ENTITY RELATIONSHIP DIAGRAM**

There are two development teams for this project the groups were assigned two tasks a website and a mobile platform. That changed to a UWP (universal Windows Platform) and a mobile app. Because of this the planning had to be redesigned to accommodate a new format.

**PHASE 2: IMPLEMENTATION**

A VE Log Database was created using the ERD table and brainstorming notes for reference, See appendices for screenshots. A design has been put into the database and the team have identified certain barriers.

* The Users Table- stores User ID, Username, Creation Date and Details that the User
* The Clients Table –
* The Messages Table- stores Sender Email, Receiver Email, Date and time created, date last updated, the message and a Boolean to show if the message has been seen

WEB-APPLICATION SPECIFIC REQUIREMENTS

* Record single trips
* Record multiple trips and split mileage across each location.
* Populate selection fields from a database

WINDOWS-APPLICATION SPECIFIC REQUIREMENTS

* Read vehicle logs
* To be able to Add, Edit and Remove vehicle logs
* Get vehicle logs between two specified dates
* Update databases that the web-application uses for its selection fields e.g Divisions, Location..etc
* Export to a \*.CSV file

1. **MAINTENANCE**
   1. DETAILS

FUTURE IMPROVEMENTS

CONCLUSION

The VE Log database designed here provides quality assurance that data and records will be organized efficiently and VeLog can access information easily. The VeLog app User-Interface is simple but very efficient and will give users quick access to the full features

4.3. TESTING

TESTING PROCEDURES

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| Test Condition | Pass/Fail | Comment |
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