**Executive Summary**

This document contains a project for implementing a web app attendance & achievement recording system for a new cyber education start-up to replace the paper notebook recording system. The project contains several documents which outline, describe, explain, evaluate, and justify architectural and structural decisions made to streamline the project. It contains the requirements set by the cyber education start-up and provides. Further use case diagram, relational database schema, activity diagram, class diagram, and a windows navigation diagram have been produced to help visualise the app processes and process flow.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Requirements Document** | | | | |
| **Author:** | | Dale Shepherd, Ben Graham, William Farrell | | |
| **Document Reference:** | | Cyber education start-up | | |
| **Release Status:** | | Sign Off | | |
| **Document Controls**  **Version History** | | | | |
| **Version** | **Version Date** | | **Author** | **Reason for Change** |
| 0.1 | 06/10/2020 | | Dale, William, Ben | Added risks to the project |
| 0.2 | 02/11/2020 | | Dale, William, Ben | Added Constraints |
| **Quality Reviews** | | | | |
| **Version** | **Review Date** | | **Reviewed By** | **Role** |
| 0.2 | 02/11/2020 | | Dale Shepherd | Project Manager |
| **Approval / Sign Off** | | | | |
| **Version** | **Sign Off Date** | | **Signed Off By** | **Role** |
| 0.2 | 02/11/2020 | | William, Ben | Project Managers |

# Purpose

The Cyber Education Start-up wishes to expand its record keeping of student progress through a new attendance record system that helps teachers manage student attendance and achievement records by storing details in an SQLite database.

# Background

The proposed implementation of a web app attendance recording system seeks to help teachers manage student attendance and achievement records by storing details in a SQLite database. This would eliminate the current process of having to go through paper notes each week to update the achievement record, and instead would be updated automatically by the web app.

# Assumptions

It can be assumed that the cyber education start-up is demanding a reliable, redundant, efficient, and user-friendly system which will enhance their attendance and achievement services. Through the implementation of a unique web app, this can be achieved.

# Constraints

Setting up SQL database, couldn’t set up SQLite, used mySQL (UNSW based database).

SQLite now.

Java (maven) connector wasn’t compatible

# References

The Cyber education start-up has realised that a web app recording system would be better for the teachers to manage attendance and achievements.

# Methodology

Requirements were provided by the business.

# Functional requirements

* Weekly attendance data is to be recorded in an SQLite database.
* Tests completed by students must be recorded. What tests and when for each student.

# Non-functional requirements

* Only one single database with everything.

# Risk Considerations

High-level risks related to this initiative could include:

* Potential system failure without any redundancy/backup could result in loss of past attendance and student progress towards achievements.

# Risk(s) of NOT Proceeding

By maintaining the status quo, this will pose higher risk of loss of attendance records.

# Approvals Sought

This Statement of Approval document seeks:

* Approval of the Statement of Requirements;

# Approval Authority

This project is approved to commence upon the basis that all operations conducted in the development of this project adhere to appropriate state and government regulations.

Git: <https://github.com/dshep44/SystemsAssignment2>