WIL POE

XBCAD 7319

GROUP 1

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# **Organization**

We are developing applications for Goal Pro. Goal Pro is NPO whose aim is to encourage and enable high school students to set, record, and achieve goals for themselves.

We will be developing a mobile app (Android), a web API (using the C# MVC framework) and a web application (using the C# .Net Core Framework).

# **Feasibility Document**

Our feasibility Document is an external document included in this document’s folder.

# **Project Charter**

Refer to document titled “Project charter” in submission folder.

# **Discussion**

Our client (Catherine) has mentioned that she would like 2 mobile applications to be developed. One for Android users and one for IOS users. Due to the time constraints of this module, we are only able to develop an Android application.

Our client has mentioned that she would like for an IOS application to be developed in the future. We have taken this into consideration and have therefore decided to base our application around a web API (application programming interface).

We have chosen to do this because it is convenient for all data (from both mobile apps) to be stored in one location as well as to use similar functionality. A web API allows both applications to send and retrieve data from the API and use the same API GET and POST methods. We will also be using a Single SQL database to store all our application data (from both apps).

Using an API will also make the IOS application development much faster and easier since most, if not all, of the backend functionality will already be created in the API (during it’s development for the Android app). This essentially only leaves the front-end of the IOS app for future development.

This strategy also allows different team members to work on different applications (API and android app) simultaneously and therefore be more productive.

# **Modelling and Documents**

Our modelling diagrams/documents are included in this document’s submission folder. They consist of the following:

* Class Diagrams
* Use Case Diagrams
* Sequence Diagrams
* Block Diagrams
* Flowcharts
* IPO Diagrams
* UML Table Diagrams

Our Peer and Self Evaluation documents will be emailed to our supervisor separately.

Our group and class attendance documents are included in this document’s submission folder.