**Initial Submission**

**Investigation**

The application will be a BMI tracker, which the user can enter their weight at different times and see a visual representation of their progress. It will also have a workout timer for various workouts. It is designed to be used at home as it will not run on mobile devices.

**Functional Requirements**

* Allow users to input weight and height
* BMI will be calculated based on this input
* User can input data on numerous dates and see a visual representation of their progress
* Output to an external file for reading
* Gives user statistics on their progress
* Workout timer for various workouts
* GUI
* Deployed as a .exe file
* Information page with links to workout websites, diet websites etc

**Non-Functional Requirements**

* Free at the point of use
* Portable for any PC capable of running a .exe file
* Well documented code
* Intuitive design
* Initial Planning should be submitted by 1/3/18
* Test documentation, prototypes and supporting documents due 16/4/18
* Presentation on week of 23/4/18
* Submission of individual peer reports due week of 30/4/18

**Hardware and Software Requirements**

* Application will be written using Visual Basic as a language, and Visual Studio will be used as the IDE
* OS Capable of running a .exe file
* Facebook messenger for group collaboration
* Github to develop as a group
* Gitkraken to share work
* Ninjamock website to design the wireframe
* Documentation will be written using Microsoft Word
* Scheduling will be done using Microsoft Excel

**Advantages and Disadvantages of Software**

* Visual Studio makes it simple to design forms
* Visual basic is also a relatively easy language, and is familiar to group members
* Ninjamock is lacking in features
* New users learning how to use github may take some time