Part One

The creation of the NateFitMate application will definitely have a large number of tasks involved, and may even require input/assistance from a range of sources. Software development methodology chosen to support completion of this application is crucial. I have chosen the ‘Agile’ methodology as it will allow myself, and others to complete different stages of the application as I see fit.

The core reasoning for choosing this methodology is simple; I want to allow flexibility in development to ensure all crucial elements are completed with the best of my ability, as well as having the option to backtrack and add anything that may be required without issue.

The reason I chose Agile over Waterfall for example is that Waterfall does not allow for flexibility. There are many elements of my application that may need to be revisited, so Agile was a clear winner over any other methodology.

Part Two

The different software utilised during development can affect the collaboration of the people involved significantly. They must be easy to use, as well as effective. That is why I have chosen the following;

Project Management Software: The PM software I have chosen to use in development is Trello. I have found Trello enjoyable to use as well as simple. Simple in the fact that it is easy to understand, even for newcomers, however it is also simple in the way that it can bring a number of people (small or large) together to work efficiently towards a common goal.

Version Control Software: The VC software I have chosen is GitHub. As most (or all) of my work will be completed in Eclipse, it will allow for universal control of my program. This ensures that I will work as efficiently as possible and have the option to easily include others if necessary. The software will also have to be updated (form possibly more than one place) so it is important that it is consistent in where it is grounded.

Collaboration Software: Collaboration may not be necessary in this instance, however if it is I will be trying to do as much as possible through Trello. If Trello does not perform as expected for adequate collaboration, I will be looking to use Slack. Slack will allow a combination of messaging/sharing interfaces such as Google Drive, Dropbox, Twitter and basic email to be merged and shown in one place. This simplifies a lot of confusion and any chance of missed/mixed messages when completing tasks. As there are many tasks to be completed with NateFitMate, it is paramount that messages are not confused or sent to the wrong place.