A1-p1 Section 3.0 - When – Draft

**Week 3**

* Finalise project idea - Group effort lead by Luca.
* Luca to draft out his project idea that the team can then work to expand and refine.
* Define 5 minimum viable features - Group effort lead by Luca.
* Define 3 extended viable features - Group effort lead by Luca.
* Each team member to fill in their information for part 1.3-Team of our project proposal - Group effort.

**Week 4**

* Complete project proposal report (Assignment 1 part 1) - Group effort lead by Matthew.
* Project proposal (1.1) Define name for project application - Group effort lead by Luca.
* Project proposal (1.2) Project description - Lead by Matthew.
* Project proposal (1.3) Finalise Team, communicate with team members who are yet to complete this section - Lead by Matthew.
* Project proposal (1.4) Complete demonstrable outcomes - Group effort lead by Matthew and Luca.
* Project proposal (1.5) Complete project motivation - Lead by Luca.
* Project proposal (1.6.1) Complete project justification - Lead by Matthew.
* Project proposal (1.6.2) Complete beyond current capabilities - All team members to contribute, Lead by Matthew
* Project proposal (1.7) Complete project risks - Lead by Geoffrey.
* Project proposal (2.1) Complete resources and tools - Lead by Zachary.
* Project proposal (2.2) Complete collaborative workspaces - Lead by Zachary.
* Project proposal (2.3) Complete communication expectations - Lead by Geoffrey and Matthew.
* Project proposal (2.4) Complete decision making processes - Group effort lead by Matthew.
* Project proposal (3.0) Complete ‘When’ timeline - Group effort Lead by Zachary and Matthew.
* Submit project proposal (due date extended to Wednesday of week 5)- Lead by Matthew.
* (This schedule is very unbalanced and I invite Matthew to delegate some of these tasks to other team members)

**Week 5**

This week, we will focus on familiarising with the tools we will be using for our project and defining the specific functionalities for each MVF that we will build into our app.

Before our Thursday meeting, we will have completed the following tasks:

* Each team member to download and install Android Studio <https://developer.android.com/studio>.
* Each team member to explore Android Studio, with a minimum goal of producing a simple ‘Hello World’ program. Team will upload a copy of their code to their swim lanes on Trello for week 5. The following resource may be helpful: <https://developer.android.com/training/basics/firstapp>
* Set up a GitHub project and add all team members to the project. Any team members who have yet to create a GitHub account will sign up with their student account and apply for student access - All team members and lead by Matthew?
* Sign up for the Figma web tool (using student email) and apply for student access - All team members.
* Explore the Figma workspace and have a go at creating a UI page. Each team member to upload a screenshot of their work to their swim lanes on Trello for week 5. The following resource may be helpful: <https://youtu.be/dXQ7IHkTiMM>
* Set up an account with Lucid chart (using your student email) and apply for student access.

We will then focus on Reviewing our project MVFs and specify specific functionalities that we will build into our app. This task will be lead by Adam (who has the most experience using Android Studio) and supervised by Matthew. The team will also form sub groups that will focus on one or two MVFs at a time. The team will utilise Adam for help and guidance on the task and Matthew will help to make decisions where sub groups are struggling to agree on ideas. By the end of this week, we will have created a document listing all sub features and workings for each MVF that we can work on building into our application.

During our Team meeting on Thursday this week, we will prepare for this task by discussing the MVFs, organising sub groups and assigning MVFs to review. We will also prepare for next weeks task and organise groups to work on developing UI concepts (refer to week 6 tasks).

**Week 6**

Now that we understand how each MVF will function and work, we can focus on drafting UI designs for our application. This week, we will focus on developing basic UI layout concepts and then work to define a unified UI design language within our application. We will be using the Figma tool to create our UI concepts.

During the first stage, we only want to focus on layout and where things should go. This task will be lead by Luca (experienced with Figma) and supervised by Matthew. The Team will look to Luca for assistance using the Figma tool and Matthew will help to make decisions where sub groups are struggling to agree on ideas. The team will again divide into sub groups and work to develop UI layout concepts for each MVF and a home screen. By Thursday this week, we will have defined UI layouts for each stage of our application and have a collection of screenshots showcasing layouts for a home menu, each MVF and any additional sub UI screens that may be required for each MVF.

During our team meeting on Thursday, We will review our UI concepts and discuss a unified design language for the overall UI within our application. We will also designate a sub group to create a design language map that shows examples and documents specific information (e.g., colours, shapes, design rules).

During our Thursday meeting, we may also need to discuss holding a team meeting early in the week to discuss and assign tasks for week 7.

For the remainder of the week, remaining sub groups will work to apply our newly defined UI design language to our UI concepts.

By the end of this week, we will have defined a unified UI design language, demonstrated with a design language map that will be linked to Trello.

**Week 7**

This week, we will use Android Studio and GitHub to begin building prototypes for the specific application functions we defined in week 5. This will help the team to become familiar with using Android Studio and GitHub to collaboratively build programs, and provide a base that can be built upon. We will divide into 3 sub groups of two, led by Adam and Matthew, and assign at least two specific application functions (we defined in week 5) for each sub group to build a basic prototype. We will also create a document for reporting any technical issues that we may be experiencing. This document will be lead by Adam, with all team members encouraged to review and (if able to) respond to this document regularly, to help support the team overcome any issues we may be faced with.

During our team meeting on Thursday, we will discuss progress, any issues we may be having and any sources of information that may be helpful. We will also discuss and prepare for next weeks tasks.

By the end of this week, we should have 6 working prototypes that show how some of our defined application functions can be built as a mobile application, with Java code.

**Week 8**

This week we will commence building our application on Android Studio, using GitHub to work collaboratively. We will focus on development of a home menu that navigates to preliminary MVF pages. We will also select two MFVs to begin developing, with the possibility of building upon the prototypes we built from last week. These tasks will be lead by Adam and Matthew. We will again divide into sub groups to work on each task.

During this weeks meeting, we will discuss progress and any issues we may be having. We will also aim to assign two remaining MVFs for sub groups to commence working on in week 9.

By the end of this week, we will aim to have working models for a home menu and two MFVs, with screenshots showing progress.

**Week 9**

This week, We will work to finish fine tuning work from the previous week and commence development of the two MFVs we selected in last weeks meeting. Adam and Matthew will continue their leading roles while we work in sub groups to complete tasks. We will also create a new document for reporting testing results. This document will be lead by Luca with all team members encouraged to review this document regularly. Any team members or sub groups with free time can investigate testing of working programs, ensuring they document their findings.

During Thursdays team meeting, we will discuss development progress and any testing that occurred during the week. We will also discuss assigning a sub group to start combining completed MVFs into the home menu application and assign sub groups to work on the remaining MVFs yet to start.

By the end of this week, we will have a working home menu that navigates to at least two working MVFs and have two more working model MVFs. We will also have started to collate a document reporting on testing results.

**Week 10**

This week we will continue to finalise work on FMVs and integrate them into the home menu. We will also focus on testing and improving our application. We will continue to work in sub groups lead by Adam and Matthew. Making sure to review the ‘issues’ and ‘testing’ reporting documents. We will also focus more on testing this week, designating team members an MVF to test and report on. This will help us to improve and fine tune our application.

During our Thursday team meeting, we will discuss progress, testing results and how we can improve from the testing feedback. We will then discuss implementing improvements into next weeks tasks.

By the end of this week, we should have a fully working application, with plans to implement fixes and improvements.

**Week 11**

This week, we will be refining and implementing improvements to our application, with a focus on stability. We want to make sure that our application is working and stable before submission. We will also begin to focus on how we will implement EVFs, by conducting research and reporting on our findings. We will continue to work in sub groups, lead by Adam and Matthew, to develop our application. Any sub groups who are ahead will be assigned an EVF to explore and report on. The research into EVFs will be lead by Zachary and Matthew, who will make sure that reports are on a level the whole team can read and understand.

During this weeks meeting, we will discuss progress and any delays we might be having in completing our project. We will also discuss EVFs and assign available team members or sub groups an EVF to research.

By the end of this week, we should an improved application that is stable. We will have also started documents that report on implementing EVFs.

**Week 12**

This week will be about tying up loose ends and making sure our application is completed and in a working and stable state. We will continue to research and report on implementing EVFs. We will also focus on reflecting on our project and looking into future improvements that may benefit the application. Any team members who are not working on the application, will be tasked with reporting on future improvements they believe our application may need.

During this weeks meeting, we will discuss tying up loose ends, and finalising any unfinished reports.

By the end of this week, we will a fully working and stable application, completed reports on implementing EVFs and a complete report on future improvements for our application.

We will have also submitted our assignment work to Canvas and Trello.