## **4.4.1. Stage 1 Plan**

Stage 1 will take place from October 12th to November 26th, and it is when we set our expectations for the project and how we would organise ourselves. We decided upon the tasks we had to do, the priority of the tasks, and how much time they would require.

### **Task Details and Allocations**

As we are all equally familiar with the tasks, we volunteered ourselves for each one rather than allocating tasks based on experience. We decided to start most of the stage 1 tasks at the same time, as they could be done concurrently. It was only the usability evaluation that would need to be started later than the other sections, as it would rely on parts of the other sections.

**Requirements**

James and Andrew volunteered to be responsible for the requirements section of this document. The creation of this document was one of the most important tasks, as the contents would be the basis for the system we develop. This section required writing a full requirements specification document, including diagrams and justifications for the requirements. For more information see section 2 of this document.

**Risk Analysis**

Hannah volunteered to analyse and report on the possible risks to the project. This section of the document details the obstacles we may face and how to overcome them, and we will be referring to this throughout the project. For more information on this section refer to section 3 of this document.

**Project Decision and Planning**

Autumn, Blazej, and Yangyang - were responsible for the creation and reporting of the project plan and decisions. For this task the team utilized various project management tools: Microsoft Project was used to produce a Gantt chart to hold all of the tasks and the project timeline, and Microsoft planner was used to ensure that the team kept track of their personal responsibilities to the project.

**Project Costing**

Aimee took charge of the project costing section. This section will give us a firm budget that we will be referring to throughout the project, as it presents all possible costs during this project. The information in this section will show how much the client will be billed, and what that money will go towards. For more information refer to section 5 of this document.

**Usability Evaluation of Mock-ups**

The usability evaluation was led by James and Aimee, and they were eventually joined by the rest of the development team.

To ensure that our platform would be easy to navigate and pleasant to use, we created a low-fidelity prototype of the website and tested them for usability. These ‘tests’ were carried out on 6-8 willing participants and involved presenting them with this prototype and a list of tasks, and then timing them completing each task. We also got feedback from the testers through questionnaires before and after the tests.

For more information, please see section 6 of this document.

**Report writing**

Each section of this document was written by the people responsible for the tasks involved. It was Autumn's responsibility as the main reporter was to prepare a template for the full report and to compile the separate sections into it. 2-3 draft reports are expected to be created before the final submission deadline on November 26th.

## **4.4.2. Stage 2**

Stage 2 will be the main stage for the application's development, and will take place from November 26th to February 4th. During this period we will also have other arrangements to work around - namely our university examinations and the winter break.

### **Task Details and Allocations**

**Company website**

Hannah and James volunteered to make the company website, and once they have made this website, they will join the rest of the team in the development of Exposure. This will involve designing the website and its content, and then implementing these designs.

**The first sprint**

Andrew and Yangyang have volunteered to work on the database, James has volunteered to set up the testing server, and the rest of the team will work on the registration and log in pages of the platform.

The front-end developers will write up the html scripts for the pages, create a CSS style guide that we will use for the rest of the project, and apply it to these pages.

The back-end team will be writing the php file that will connect these pages to the database, and password security.

**The second sprint**

This sprint will be focused on creating the user subsystem, building the profile page, and connecting these pages to the database. The user subsystem will also include the admin subsystem.

**The third sprint**

For the 3rd sprint we will be working on the posting system, building the profile/portfolio page, and the friend system. We will only be developing the photo and text posting system at this stage, as the challenge post system will need more time and is not as much of a priority.

**The last sprint**

The last sprint of this stage will be dedicated to the dashboard page, the GPS/location-based functions, and the location page. We may also use this time to clean up the code from the previous sprints.

## **4.4.3. Stage 3**

Stage 3 will be the final stage (from February 4th to April 4th), where we will continue to develop the remaining features and then test the system. At this stage we will also summarize the project by producing the final progress report and the project evaluation. The final step in this stage will be to perform a product demonstration to our manager and project coordinator.

### **Task Details and Allocation**

**The first sprint**

We will start stage 3 by implementing the facial blocking subsystem, the post engagement system, the challenges system, and also building the settings page. Post engagement refers to liking, commenting, and reporting. We will use this (and challenge posts) as the basis for the platform’s gamification.

**The second sprint**

In this sprint we will be carrying out the implementation of the search system, the notification system, and the user statistics system. We will also build the search results page, and add in any features we may come up with during development.

**The final sprint**

In the final sprint we will be adding in accessibility features, cleaning up the code and re-testing the functionality of every feature. We will also be writing up the progress report and project evaluation. We will be evaluating the project and contributions of each team member through project logs, our original plans, progress reports and other supporting documents.

**Final usability evaluation**

We will perform a final usability test on the website and analyse the results. The team responsible will then produce a report on these tests and their findings.