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# Sprint No. 1

## Goal

This initial sprint, the group will go over the initial requirements stage in order to gauge what the group will need to be implement into the application. During this beginning stage, we will have to make initial assumptions on what features will need to be included in the application, and whether it meets the client’s required needs.

## Method

The group will be creating a product backlog to be able track and allocate tasks for each member of the group. Due to the project being in the early stages of development, the group’s main priority is to be able to documents the current requirements of the project. During this process, the group will have to:

* Create functional / non-functional requirements list
* Normalise the data given by the client to be able to manage the project the group have – subject to change depending if the requirements alter.
* Create User stories in order to find out how the users will be required to use certain functions, as well as ensuring that the group implement a user-centered design and prototype
* Developing acceptance criteria.
* UML Diagrams to provide the client with useful user functionality

## Metrics

In order to determine if the client is satisfied with the work, the group will conduct a meeting in which the group will show them the work which has been completed. If the client is satisfied, the group will move on to the next phase. If the client has queries or suggestions to change elements of what the group have suggested, the group will then modify our work as necessary.

Conducting regular meetings with the client will enable the group to be able to keep track of the requirements, and ensure that the client is satisfied with what the group are producing.

*Please see the project backlog based on GitHub to view more specific tasks of what group members are doing within this sprint.*

# Sprint No. 2

## Goal

The goal of this sprint will to be able to create the database as well as creating the tables for the doctor, and inserting test data into the database. As well as this, the group would like to be able to create fully working HTML pages, to gauge the design of the implementation as well as employing HCI concepts within this. The group would also like to be able to develop some functionality within the back end of the prototype.

## Method

To be able to complete this goal, the group will delegate tasks to specific people, as well as working alongside each other to complete the goal for the second sprint. The delegated tasks for this sprint can be found on the backlog on GitHub. The group have also worked alongside the user stories, referring to them as we plan the sprints through the project backlog.

## Minimal viable product

As the group continues to develop the application, the group are also going to develop the MVP for each sprint, to track and display how the group are going to develop the application each two-weeks, as well as liaising with the client and their expectations – what they would like to see by certain deadlines.

Updating the MVP each sprint will give the group a goal to achieve, and will work alongside the individual tasks which are given to each group member, which will bring the project together and allow the group to be able to view it from a larger perspective.

*Please see the project backlog based on GitHub to view more specific tasks of what group members are doing within this sprint.*

# Sprint No. 3

## Goal

Within this sprint, the group are planning to develop the project further by taking a section of the project each and developing on each section. By doing this, we will be able to each get an understanding on the HTML pages, C#, as well as database whilst developing a section of the project. We have assigned sections of project to each person (Shown in project backlog in GitHub). We are also going to begin to develop the patient application by simply created the HTML pages and possibly some of the back end.

The login feature for the doctor application is going to be started, so the group can hopefully gain the foundation of the application to be able to further develop after this.

## Method

In order to develop the MVP, we are going to go off and do our own sections of the project, and if any problems occur, we can seek help from each other and then carry on with designated tasks.

## Metrics

In order to ensure that the product meets the standards needed for our client, we will hold a meeting with our client to ensure that the product meets the requirements they are looking for. If it doesn’t, we will move back to the development process and make changes as needed.

Some of the tasks specified in this sprint are subject to time, if these tasks are not completed within the specified time, they will be moved along to the following sprint, sprint 4.

*Please see the project backlog based on GitHub to view more specific tasks of what group members are doing within this sprint.*

# Sprint No. 4

## Goal

During this sprint, the group will continue to make the Doctor application functionally work – adding functionality to each part of the system for the doctor, which will include the doctor dashboard. As well as this, the group will start to develop the patient application by developing HTML pages, and then begin to make the application work in terms of functionality. The development of the login will also be continued to be worked on, and hopefully working by the end of this sprint.

## Method

In order to carry out the sprint, the group will continue to meet regularly and develop the application together. If any problems occur, the group will work together to overcome these problems.

## Metrics

In order to meet the MVP for this sprint, the group will start developing at a faster pace than we have previously done. Come the end of sprint four, the group have planned to meet with the client to make sure that everything is going to plan – as well as showing the client our functionally working product for the Doctor application.

*Please see the project backlog based on GitHub to view more specific tasks of what group members are doing within this sprint.*

# Sprint No. 5

## Goal

In this sprint, based on the client feedback, we will continue to develop our project to the best possible standard. Due to time restraints for the group. The group will continue to develop at a faster pace than before, as well as developing on both the patient and doctor applications.

## Method

In order to review the product, we will base our development on the proof of concept sheet that the client has provided for the presentation, and what the client would like to be generated. As well as developing the project according to the user stories which we developed early on in the development stage. The group are starting to come together to develop the last minute finishing touches to the project, so we can get the project at the best quality as possible.

## Metrics

Due to the development of the project being nearly over, the group are finalizing tasks – and bringing the project together as a whole. The group are going to begin testing the application once this is done and the group are happy with the application.

Due to 2 weeks left, the group are developing at a fast pace.

*Please see the project backlog based on GitHub to view more specific tasks of what group members are doing within this sprint.*

# Sprint No. 6

## Goal

In this last sprint, the group are going to bring the application to a finishing product, and ideally achieve a good finishing result. To do this, the group have assigned certain tasks to members of the group to be able to achieve the outcome – in the two weeks the group have left on development. With this being the group’s final sprint, there are only a few things the group would like to touch up on within the project – which is what we will be doing in this sprint. As well as error testing before the deadline and submission of project.

## Method

In order to review the product, we will base our development of our user feedback from the client, as well as developing the project according to the user stories which we developed early on in the development stage. The group will take and consider the final aspects of feedback we had had recently, and attempt to make sure that the project is at the best quality possible.

## Metrics

Due to the development of the project being imminently over, the group will try to develop and finalize both the doctor and patient web applications. To make sure this is possible, the group have been assigned specific tasks to do to ensure that the project is at the best possible standard and has full functionality.

*Please see the project backlog based on GitHub to view more specific tasks of what group members are doing within this sprint.*