**Meeting Minutes – Raleigh**

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| **Date** | **participants** | **Actions taken or agreed to be taken** | **Progress** | **Next steps** | **Next meeting date** |
| 19/02/2018  16:00-17:00 | Abdullah, Shukri, Thomas, Xinyi, Xumin | * The team discussed what everyone’s background is and the skills. * Abdullah and Thomas are stronger in coding, so will take the lead on the application component but every will be contributing to application somehow. Xumin and Xinyi will be focussing on the research and analysis. Shukri volunteered to be the secretary and wants to work on the GUI. * Number of project ideas were discussed but the group decided that the best idea was a medical application where the patience is able to register their blood pressure online and the doctor can receive it efficiently instead of processing through paper. Our back up plan is the Client-Server Messenger Project. * Everyone needs to look more into the part they want to take in programming of the app * Research application architecture and other similar ideas in the market. * Ask the tutor about the server part of the project. | N/A | * Present to tutor the ideas for the project * Set up plan and sub plans for the project with mini deadlines. | 20/02/2018  15:00-16:00 |
| 21/02/2018  14:00-15:30 | Abdullah, Shukri, Thomas, Xinyi, Xumin | * We briefly explained our project idea to Cory and he thought it was good idea to proceed with it. * Thomas will be the point of contact. * The group discussed the different components of the application, such as class user, class patient, class doctor, class reading, databases, GUI, Server, sockets, threads and the graphics. * We divided the work and decided that Xumin will work on class reading and the diagrams for the application. Xinyi will work on User classes (patient and doctor) and the requirements. Shukri will work on the GUI and oversee the report. Thomas will be working on the database part. Abdullah will be working on the server and background research. | -We finalised project idea.  -We roughly divided the work and now everyone has a task to work.  -we have better overview of how the project looks like. | -on the next meeting we will be checking the progress made  -research needs to be completed on the project, server and databases. | 26/02/2018  16:00 |
| 26/2/2018  15:00-16:00 | Abdullah, Shukri, Thomas, Xinyi, Xumin | * Xumin done the use case diagram based on the points we have discussed and after seeing the diagram we only had to make minor change of the notification part of the app, which we all agreed we will leave that part out. * Abdullah discussed the background research he done about other apps available in the market. He found 2 mobile apps and showed the group. We all observed that one has too much info and the other not enough, however these apps are more for personal use. The closest thing is the paper version, where the patient records the reading on paper and gives it to the medical staff in a clinic. This gave us a better few of the features we should focus on for the app. * We spoke about the important features of the apps, which we decided on that the app should be a desktop app, should have the function for the patient to enter BP readings, follow the progress of the BP level over time, instructions of how to do the BP reading, the doctor side should have the function to look for patients, add patients with required number of readings, exporting patient records pdf. * Patients details should exist of name, DOB, ID, username, address, medical staff assigned, BP reading, BP target, optional NHS number. This part includes some encryption work. * The app should start with a login page that recognises if the user is a patient or a doctor and the loads the right page with the correct details. * The reading should be entered as three readings each existing of **systolic and diastolic and the date and time it was recorded.** * We draw out in details how GUI part should look like to incorporate the features we discussed. We have agreed that when searching for patient it should have a dropdown list. * Shukri wrote brief specification of the project. She said she done the login page, including the part that connects with the DB and checks the login details. However the group said that it was Abdullah that is doing the DB side of the app and Shukri should create the GUI without a function for now. * Thomas is still working on the networks part and trying to figure out how the sockets works. * Xinye is still working on the requirements and will finish on Monday. | -We have a clear picture of all the features that have to be included in the app  -we have reviewed other similar apps or ways.  -app specification  -use case | -Abdullah is going to complete the background research  -Xinyi will complete the requirements  -meeting with Cory | 27/02/2018  14:30 |
| 27/02/2018  14:30-14:50 |  | Cory mention few points for us to consider,   * We need sort of interaction between clients * Then wait for someone to connect to the socket * You have threads to various sockets * Cory explained a way we can get concurrency. First, we have an open socket and that sockets waits for someone to connect. So, when a thread connects to that socket, automatically another socket opens and waits. * For the DB, all have different connections * For IP address, you need to be able to change it * The group asked about the SVN. Corry explained we can login with our own CS login and all work should be saved there even text. * We asked about the work limit and he said the project specification should be no more than 2 pages and the rest should be about the app documentation. * Cory mentioned that to pay attention to the real time interaction, for example multiple doctors reading report from the same patient. * We asked about the complexity of the app and adding encryption. Corry said that would be good aim. | -We have better understanding for the network side, |  | 27/02/2018  15:00 |
| 27/02/2018  15:00-16:00 |  | * After our meeting with Cory, we have decided to continue with our meeting. * We wrote down all the classes we need, such as the user, patient, docter, reading, etc. We discussed the methods we need for all the classes to work together, like getUser(), getReading(). This will enable Xumin to create the class diagram. We made sure we discussed how the classes interact with each other. * Thomas managed to connect to the server | -we have clarified all the methods that are needed for all the different components, like the getUser() method.  -we have agreed that everyone should have their part of the code done on Monday, so that we can integrate all. | -we will integrate the codes and see if the basic features work. | 5/3/2018  15:00 |
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