ScrumMaster Notes

Group members: Abu Bakar Al-Hilal (Scrum master)
Yuxin Chen
Pragith Chenthuran
Sharon Alex
Farin Hossain

TA: Ruiwen Liu (Tutorial 2)

Notes from group members:

We made the app with the understanding that Doctors work from 9AM - 5PM everyday that way if they know when their appointments are they know when they are free so task 6 becomes trivial.

// Use these to login either as a patient or a doctor

Doctor User Login example:
Username: u1
Password: 12345

Patient User Login example:
Username: user2
Password 12345

Project description:

The director of a medical clinic needs help building an app for scheduling appointments with the 10 doctors who practice at the clinic. The idea is that patients would create user accounts and then be able to browse the doctors' schedules and select a time slot for their own appointment. Also, the doctors should be able to view which patients have scheduled appointments with them, and access basic information about each patient.

Meetings log:

Meeting #1 Monday July 26th 2021:

This was our first meeting as a group and it was with the TA. In this meeting we introduced ourselves to each other and we were given the project description along with the first set of user stories to work on by the TA. Also in this meeting the scrum master was appointed and a general working agreement was reached. The working agreement was as follows, the group would conduct standup meetings every other day starting from Wednesday July 28th 2021 at 2PM Toronto time. We also established group communication outside of tutorial meetings and stand-up meetings via discord groups. After the meeting the group decided on using Git as our version control system on discord.

List of user stories given:

- When patients log in they should see their upcoming appointments as well as a "book appointment" button.
- There is a filter option for filtering on doctors' gender and specialization.
- When doctors log in, they should see their upcoming appointments too. They should be able to inspect the patients and see their info,

Meeting #2 Wednesday July 28th 2021:

Due to members having an assignment due at 5pm the start time of the meeting was pushed back from 2PM to 5:10PM. The meeting was hosted on zoom as the first stand-up meeting and the first order of business was conducting planning poker to help in dividing the tasks.

Here is how planning poker went:

Task 1:

- When patients log in they should see their upcoming appointments as well as a "book appointment" button.

In round 1 the highest number given was 7 and the lowest number given was a 5. The reasoning for 7 was because everyone was new to android studio and new to android programming in general so it was understood that there would be a decent learning curve for this task. The reasoning for 5 was just testing the waters and they tended to agree with 7 about the difficulties which ultimately led to a consensus of 7 in round 2.

Task 2:

- There is a filter option for filtering on doctors' gender and specialization.

In round 1 the highest number given was 7 and the lowest number given was a 5. This time the members that gave 5 argued that although there is a learning curve this task requires less work than the first one and this task can be worked on after the task 1 was completed meaning experience would be gained making task 2 easier. The members who argued for 7 brought up the learning curve but were ultimately persuaded by the other side's logic and thus in round 2 a consensus of 5 for the task was reached.

Task 3:

- When doctors log in, they should see their upcoming appointments too. They should be able to inspect the patients and see their info.

In round 1 the highest number was 9 and the lowest number was 3. The person who assigned 9 argued that this task entails the most work and that there would be a greater learning curve than the other tasks. The person who assigned 3 argued that this task seems simpler and since it is related to task 1 that makes it easier. Finally everyone agreed that the task is very similar to task 1 and that it should be given the same difficulty since the tasks would be worked on in parallel rather than one at a time.

After planning poker I (the scrum master) suggested that to start with task 1 and task 3 as they are very similar and suggested that those tasks be worked on in groups of 2 and even still since the tasks were similar I suggested that all 4 members collaborate and seek advice from each other to help with the tasks in the end Farin and Yuxin took on responsibilities for the first task and Sharon and Pargith took on responsibilities for the third tasks. As for the second task it fell on Farin and Yuxin since their task was more related to it, however it was understood that the other members were to help out if needed.

Meeting #3 Friday July 30th 2021:

Prior to this meeting the github repository was created by Yuxin and the entire group was given access to it. How to use git was discussed and progress about how far each member got was also discussed. There was discussion facilitated on the ground work that needed to be done. The group members were still gaining their bearings so not much was accomplished at the time of this stand-up meeting.

Meeting #4 Monday August 2nd 2021:

There was supposed to be a meeting on the 1st of August but due to a medical emergency on my end the meeting was rescheduled on August 2nd. Prior to the meeting we were informed that the

TA wanted a group meeting on Wednesday and so I had booked our group for the meeting from 2:50 - 3:00 PM. Also Yuxin had added some major changes to the repository, she added a login page, created a firebase database and linked it to the login page with a basic UI. Note Farin helped Yuxin through this process and also did some code review. We discussed the progress as a group and determined how to move forward. As the due date was drawing closer the group agreed to have daily standup meetings starting August 4th.

Meeting #5 Wednesday August 4th 2021:

We had a meeting with our TA from 2:50 - 3:00 PM, where we asked questions on testing and various other aspects of the app. He answered them all and then gave us the rest of the user stories to work on.

List of user stories given:

- As a patient, I want to see the availability of the selected doctor for the upcoming week, so that I can select a time slot for booking
- As a doctor, I want to inspect the patients and see their info and a list of previous doctors they have seen, so that I can obtain some basic info if the patients
- As a doctor, I want to see my own schedule and the time slots that are still available, so that I can be aware of my own appointments
- As a patient/doctor, I want to see my past and upcoming appointments, so that I can have a history record of appointments

Meeting #6 Wednesday August 4th 2021:

We had a stand up meeting in order to process the new tasks given, however we came to the conclusion that we would need more time to first finish all the previous tasks. Then in the next meeting we would do planning poker and divide up all the new tasks. We had discussed all the new changes we had implemented to the repository. So first Sharon pointed out some bugs in Yuxin's code and Yuxin promptly fixed the bugs on the 3rd of August. Also Pragith worked on some code for task 3 and handed his code over to Farin who continued working on it. Farin and Pargith also started to make improvements in the GUI.

Meeting #7 Thursday August 5th:

This was a quick impromptu stand up meeting discussing the changes on the repository. Farin pushed her and Pragith's code onto the repository. Also Sharon pushed more code related to task 3 and Yuxin added register capabilities so now users were able to register as patients or doctors.

Meeting #8 Friday August 6th 2021:

The main agenda of the stand up meeting was to conduct planning poker on the user stories received on Wednesday.

Here is how planning poker went:

Task 4:

- As a patient, I want to see the availability of the selected doctor for the upcoming week, so that I can select a time slot for booking

In round 1 the lowest value assigned was 5 and the highest value assigned was 7. The person who assigned the 7 was worried about accessing the data from the database and how to represent the problem on screen. His worries were quelled when everyone else who assigned a 5 for the task explained how android studio already possesses existing functionality to help make the view for this task which led to a consensus of assigning this task with a difficulty of 5 in round 2.

Task 5:

- As a doctor, I want to inspect the patients and see their info and a list of previous doctors they have seen, so that I can obtain some basic info if the patients

In round 1 as with task 4 there was a lowest assigned value of 5 and the highest assigned value was 7. The reasoning for 7 was the same as task 4 and the worries of said person were again quelled by the rest of the group members leading to a consensus in round 2 assigning this task the value of 5.

Task 6:

- As a doctor, I want to see my own schedule and the time slots that are still available, so that I can be aware of my own appointments

A consensus was reached in round 1 assigning this task with a difficulty level of 5.

Task 7:

- As a patient/doctor, I want to see my past and upcoming appointments, so that I can have a history record of appointments

In round 1 the lowest value was 3 and the highest value was 7. The person with 3 argued that most of the requirements of this user story were already implemented in past code so there really isn't much to do. The person who assigned 7 mainly chose what they did due to not knowing about the existing functionality that was in place to help with this task. In round 2 the lowest value was 3 and the highest value was 7 similar to round 1. The person who selected 7 (different from the person who selected 7 in the previous round) was concerned that a lot of the existing functionality was hard coded and not easily adaptable. Those who chose 3 explained how the existing functionality could be adapted to fit this task. In round 3 the lowest value was 3 and the highest value was 5. The one who chose 5 was easily swayed by the ones who chose 3 and a consensus was reached in round 4 assigning this task a difficulty of 4.

After planning poker Yuxin assumed responsibility for task 4, Pragith assumed responsibility for task 6, Farin assumed responsibility for task 5 and Sharon and Farin both assumed responsibility for task 7. We agreed to forgo the stand up meeting the next day and agreed to meet again on Sunday.

Meeting #9 Sunday 8th 2021:

This was the stand up meeting before giving a demo in the tutorial. What I had planned for today was to get everyone together and have a code sprint so around 2 hours of everyone coding with each other on call to help with problems. I made breakout groups for those that needed it and after the 2 hour session we pushed and made many revisions to the repository (view the repository comments for further detail) and had a decent demo working for the TA to view. A major issue we faced was displaying items from the database but this was solved by Pragith who showed us how to fix the error.

Meeting #10 Monday 9th 2021:

As a group we met 30 minutes before the demo presentation started to discuss new code pushed by Pargith and Sharon. We also discussed how the demo would be handled. Then the time of the demo came where I as the scrum master did a demo on the work we had accomplished so far. After the meeting the group discussed more about tasks and brought up on how certain functionality would be improved.

Meeting #11 Tuesday 10th 2021:

The main discussion of the meeting was testing and MVP login. Pragith continued to work on improving the past tasks along with Sharon and Farin. Yuxin took on refactoring the login module based on the MVP model. Sharon and Farin took on writing JUnit test cases.

Meeting #12 Wednesday 11th 2021:

The final meeting where we finalized all our code, conducted our test got everything together to finally hand in the final product.

Tasks done by each member:

Abu Bakar Al-Hilal:

- Conducted stand up meetings and recorded what took place in them
- Reviewed git comments and git commits
- Reviewed pushed code and helped fix some bugs
- Facilitated discussions in standup meetings regarding task distribution
- Conducted planning poker to evaluate tasks
- Gave the presentation for the app demo
- Facilitated a collaborative environment for the members
- Tested the app and conveyed issues to members who later fixed said issues

Yuxin Chen:

- MVP login: Refactored the login module
- Register: Created Register functionality
- Database: Created the database
- Filter: worked on the filter as outlined in task 2
- Book appointment: Created appointment booking functionality

Pragith Chenthuran:

- Helped Sharon with creating the UI for the Patients Login Page
- Implemented the Upcoming Doctors appointment page with basic UI and complete functionality
- Implemented the Previous Doctors appointment page with basic UI and complete functionality

Sharon Alex:

- Completed User Stories
- Completed the UI for Patient Login Page with Pragith
- Modified the design/layout of all the Patient pages to match the Doctor page
- Completed the UI for Patient Page, View Upcoming Appointments, View Past Appointments
- Implemented Patients View Past Appointment Page both the functionality and UI
- Implemented Patients View Upcoming Appointment Page functionality and UI
- Modified some code on Doctor Activity class to display name, gender and specialization.
- Created JUnit test cases for the MainPresenter class along with Farin

Farin Hossain:
User stories completed:

- As a doctor, I want to inspect the patients and see their info and a list of previous doctors they have seen, so that I can obtain some basic info of the patients
- As a doctor, I want to see my past and upcoming appointments, so that I can have a history record of appointments (user interface part)
- Implemented user interface to display upcoming/past appointments for doctors
- Helped create JUnit test cases for MainPresenter class with Sharon
- Helped with layout design of Doctor: landing page and its subpages