# The_Bachelorettes Report

Dion Earle (z5205292)
Angus Feng (z5207356)
Vincent Mai (z5162791)
Edward Webb (z5207215)

# The_Bachelorettes - User Stories

# Epic Stories

1. As a user I am able to update my personal information through my profile page
2. As a patient I want to search for a healthcare service
3. As a patient I want to book an appointment and rate a health centre/provider
4. As a user, I am able to view appointment histories
5. As a user I am able to log into and access the HAMS system

# User Stories:

| ID | US1 |
|---|---|
| Name | Update personal information |
| **User-Story Description:**<br>As a user, I would like to update my personal information so I can provide accurate health care information to my health care provider or to a patient<br><br>**Acceptance Criteria:**<br>- Should be able to update each field including phone number, password, name and Medicare number or healthcare provider number<br>- Should have the ability to change one field, multiple fields or no fields<br>- Updated information should persist between sessions<br>- If a user updates their password, they should no longer be able to log in with their old password | |
| Estimate | 6 User Story Points (1 SP = ½ day) |
| Priority | 1 (High) |

| ID | US2 |
|---|---|
| Name | View personal information |
| **User-Story Description:**<br>As a user, I would like to view my own user profile page so I can view what personal information is stored in the system<br>**Acceptance Criteria:**<br>- Should be able to view all personal information including phone number, email address, password, name and Medicare number or healthcare provider number<br>- A health care provider can view their profession, rating and the health centres they work at | |
| Estimate | 8 User Story Points (1 SP = ½ day) |
| Priority | 1 (High) |

| ID | US3 |
|---|---|
| Name | Search for healthcare centre |
| **User-Story Description:**<br>As a user, I want to search for a healthcare centre with a series of filters to find a healthcare centre that suits my interests<br>**Acceptance Criteria:**<br>- Search by suburb and by name<br>- View details about the healthcare centre including ABN, phone number and suburb<br>- An empty search should return all healthcare centres<br>- Can click on healthcare centres name to go to the healthcare centre's profile page | |
| Estimate | 12 User Story Points (1 SP = ½ day) |
| Priority | 2 (Medium) |

| ID | US4 |
|---|---|
| Name | Search for healthcare provider |
| **User-Story Description:**<br>As a user, I want to search for a healthcare provider with a series of filters to find a healthcare provider that suits my interests<br>**Acceptance Criteria:**<br>- Search by name and particular type of service<br>- View details about the healthcare provider including name, type of service and information about the healthcare centre they work at<br>- An empty search should return all healthcare providers<br>- Can click on healthcare providers name to go to the healthcare provider's profile page | |
| Estimate | 10 User Story Points (1 SP = ½ day) |
| Priority | 2 (Medium) |

| ID | US5 |
|---|---|
| Name | View healthcare centre's profile |
| **User-Story Description:**<br>As a user, I want to view a healthcare centre's profile page to be able to view details about the healthcare centre<br>**Acceptance Criteria:**<br>- View details about the healthcare centre including name, ABN, phone number, suburb and user rating<br>- Should display a list of healthcare providers available from this centre, with links to their profiles | |
| Estimate | 6 User Story Points (1 SP = ½ day) |
| Priority | 2 (Medium) |

| ID | US6 |
|---|---|
| Name | View healthcare provider's profile |
| **User-Story Description:**<br>As a user, I want to view a healthcare provider's profile page to be able to view details about the provider<br>**Acceptance Criteria:**<br>- View details about the healthcare provider including name, phone number, service, provider number, user rating and working hours at the current centre<br>- If a patient, should have a link to book an appointment with this provider at the current health centre<br>- Display a list of all affiliated healthcare centres, with links to their profiles | |
| Estimate | 6 User Story Points (1 SP = ½ day) |
| Priority | 2 (Medium) |

| ID | US7 |
|---|---|
| Name | Book an appointment |
| **User-Story Description:**<br>As a patient, I want to book an appointment with a health provider so I can receive healthcare service easily<br>**Acceptance Criteria:**<br>- Have a selection of 30 minute time slots which are within the health provider's working hours at the current health centre<br>- Select a future date to have this appointment<br>- Optionally be able to enter a reason for booking the appointment<br>- Should not be able to book in the past<br>- Should not be able to book outside of the provider's working hours<br>- Should not be able to book at a time already taken for this provider<br>- Have a confirmation that the appointment was successfully booked to be displayed once complete | |
| Estimate | 8 User Story Points (1 SP = ½ day) |
| Priority | 1 (High) |

| ID | US8 |
|---|---|
| Name | View ratings |
| **User-Story Description:**<br>As a user, I want to view the average rating of healthcare centres and providers to be able to choose a healthcare centre/provider that meets my interests<br>**Acceptance Criteria:**<br>- The profile page of a healthcare centre or provider should calculate and display their average rating<br>- The rating shown should be the average of all the user ratings | |
| Estimate | 8 User Story Points (1 SP = ½ day) |
| Priority | 2 (Medium) |

| ID | US9 |
|---|---|
| Name | Create a new rating for a healthcare centre or provider |
| **User-Story Description:**<br>As a patient, I want to create a new rating for a healthcare centre or provider to provide feedback and help other patients in choosing a service<br>**Acceptance Criteria:**<br>- Display a form to enter in a valid rating for the centre or provider<br>- Only have this option available when an appointment has been completed<br>- If a patient creates multiple ratings, only the patient's most recent rating should count towards the overall average rating | |
| Estimate | 8 User Story Points (1 SP = ½ day) |
| Priority | 3 (Low) |

| ID | US10 |
|---|---|
| Name | Login into the system as a patient |
| **User-Story Description:**<br>As a patient, I want to login into the HAMS system so I can utilise all of the features the system offers for patients<br>**Acceptance Criteria:**<br>- Is extremely secure and encrypts the patient's login credentials to prevent security issues<br>- Should only grant access to patient features offered by the system if logged in successfully<br>- Should be restricted from accessing provider features offered by the system<br>- If login was unsuccessful return error message "Login unsuccessful. Name or password incorrect." | |
| Estimate | 10 User Story Points (1 SP = ½ day) |
| Priority | 1 (High) |

| ID | US11 |
|---|---|
| Name | Login into the system as a healthcare provider |
| **User-Story Description:**<br>As a healthcare provider, I want to login into the HAMS system so I can utilise all of the features the system offers for healthcare providers<br>**Acceptance Criteria:**<br>- Is extremely secure and encrypts the provider's login credentials to prevent security issues<br>- Should only grant access to provider features offered by the system if logged in successfully<br>- Should be restricted from accessing provider features offered by the system<br>- If login was unsuccessful return error message "Login unsuccessful. Name or password incorrect." | |
| Estimate | 10 User Story Points (1 SP = ½ day) |
| Priority | 1 (High) |

| ID | US12 |
|---|---|
| Name | View Patient's Appointments History |
| **User-Story Description:**<br>As a patient, I want to be able to view my own appointments history so I can easily access which appointments I have recently attended<br>**Acceptance Criteria:**<br>- The list of appointments should have links to the profile pages of the corresponding health provider<br>- The list of appointments should be chronological and listed with the date of appointment<br>- Each entry should have a link to a more detailed history page of that specific appointment | |
| Estimate | 4 User Story Points (1 SP = ½ day) |
| Priority | 3 (Low) |

| ID | US13 |
|---|---|
| Name | View Health Provider's Appointments History |
| **User-Story Description:**<br>As a healthcare provider, I want to be able to view my own appointments history so I can easily access which patients I had recently<br>**Acceptance Criteria:**<br>- The list of appointments should be chronological and listed with the date of appointment<br>- Each entry should contain a link to the patient's profile page<br>- Each entry should have a link to a more detailed history page of that specific appointment | |
| Estimate | 4 User Story Points (1 SP = ½ day) |
| Priority | 3 (Low) |

| ID | US14 |
|---|---|
| Name | View Detailed History of a Provider's Appointment |
| **User-Story Description:**<br>As a healthcare provider, I want to be able to view a detailed history of a previous appointment with a patient so I can more precisely consult my patient<br>**Acceptance Criteria:**<br>- The page should list the provider and patient of that appointment with links to the profiles of both users<br>- There should be entries for the date, time and reason for the appointment<br>- There should be entries for the notes and prescribed medicine given by the provider for that appointment | |
| Estimate | 1 User Story Points (1 SP = ½ day) |
| Priority | 3 (Low) |

| ID | US15 |
|---|---|
| Name | View Detailed History of a Patient's Appointment |
| **User-Story Description:**<br>As a patient, I want to be able to view a detailed history of a previous appointment with a provider so I can review the details of my consultation<br>**Acceptance Criteria:**<br>- The page should list the provider and patient of that appointment with links to the profiles of both users<br>- There should be entries for the date, time and reason for the appointment<br>- There should be entries for the notes and prescribed medicine given by the provider for that appointment | |
| Estimate | 1 User Story Points (1 SP = ½ day) |
| Priority | 3 (Low) |

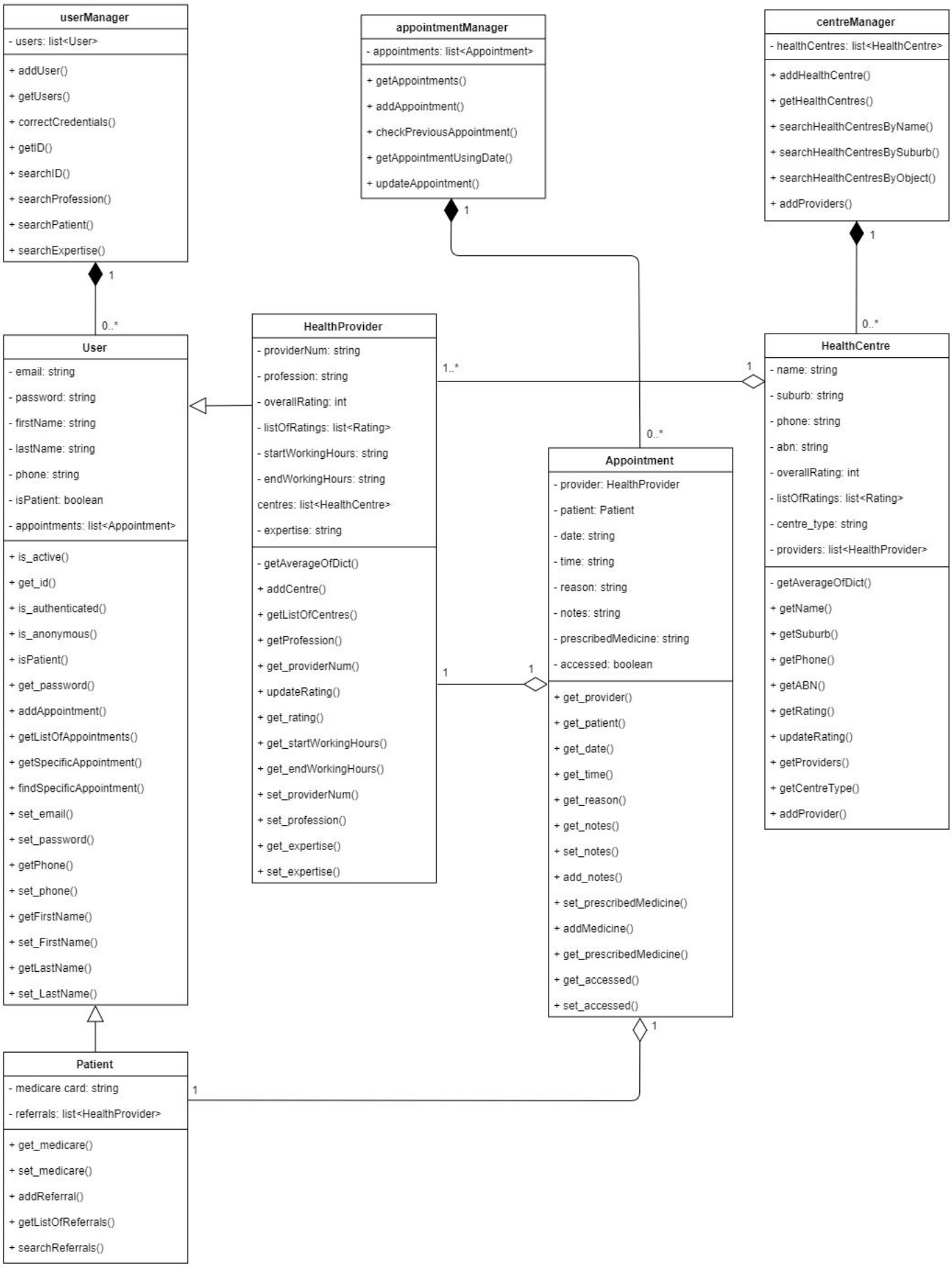
| ID | US16 |
|---|---|
| Name | Viewing Patient History during Appointment |
| **User-Story Description:**<br>As a healthcare provider, I want to be able to view a patient's appointment history so I can consult with the patient during an appointment<br>**Acceptance Criteria:**<br>- A patient's appointment history should only be accessible if an appointment has been made with any provider at the same centre<br>- A description of what occured in a specific appointment should be viewable, including any medication prescribed and notes taken at the previous visit<br>- There should be an option to edit the details of the appointment history of the current patient | |
| Estimate | 4 User Story Points (1 SP = ½ day) |
| Priority | 2 (Medium) |

| ID | US17 |
|---|---|
| Name | Recording Notes and Medication for the patient |
| **User-Story Description:**<br>As a healthcare provider, I want to be able to record notes and medication during a patient appointment so other healthcare providers and the patient can use this information<br>**Acceptance Criteria:**<br>- Notes should be able to be recorded during the patient's consultation<br>- Medication that was prescribed to the patient should be able to be recorded<br>- Notes and medication should be tied to the patient's appointment history and the providers appointment history | |
| Estimate | 6 User Story Points (1 SP = ½ day) |
| Priority | 1 (High) |

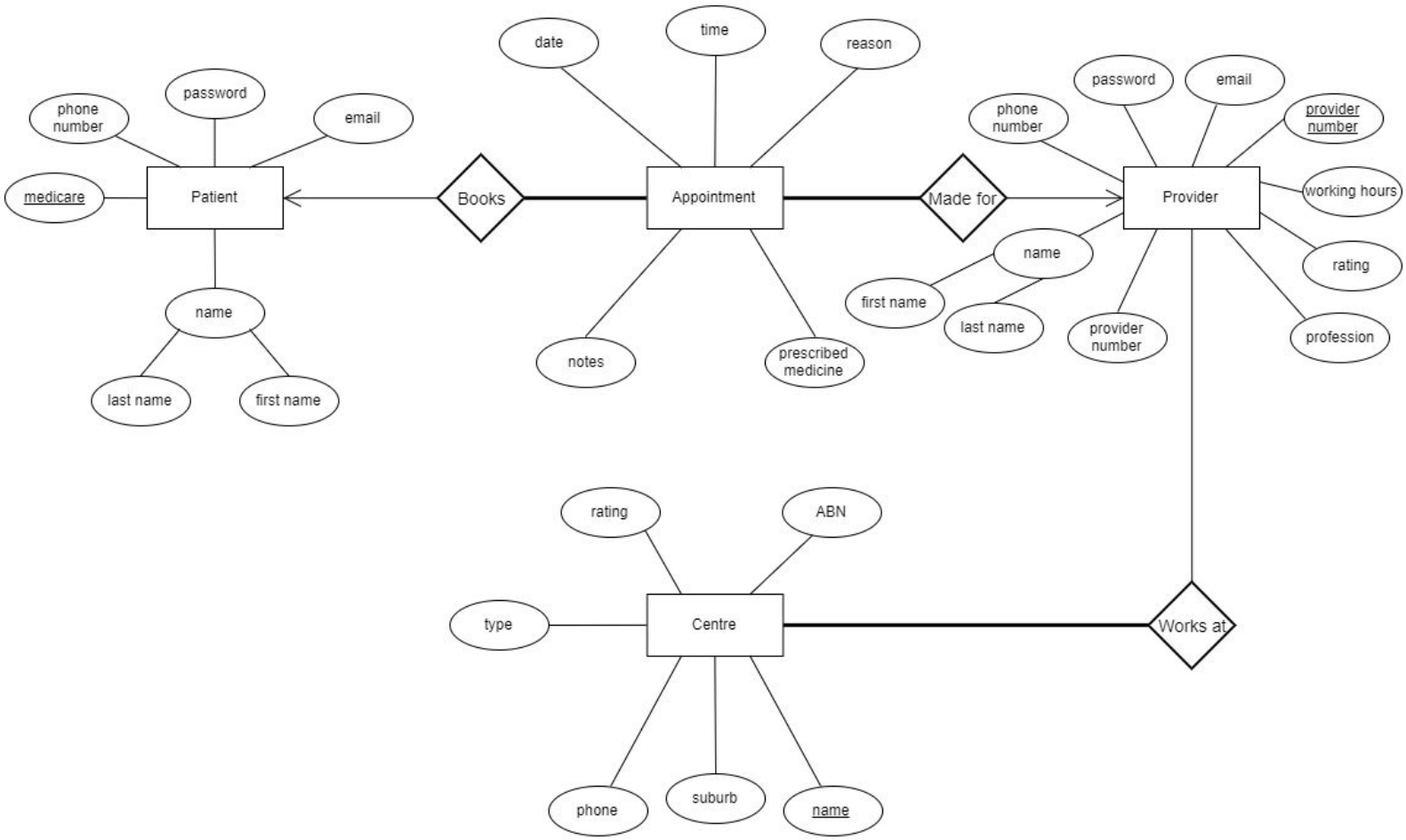
| ID | US18 |
|---|---|
| Name | Edit previous notes and medication of the patient |
| **User-Story Description:**<br>As a healthcare provider, I want to be able to edit notes given to a patient during a previous appointment so other healthcare providers and the patient can use this information<br>**Acceptance Criteria:**<br>- Access to edit notes is given once the appointment has been started by the provider<br>- Past history recorded by other providers should not be editable<br>- Edited notes and medication should be appended onto the previous history<br>- Edited notes and medication should be updated in the appointment history for the patient and all their previous providers | |
| Estimate | 4 User Story Points (1 SP = ½ day) |
| Priority | 2 (Medium) |

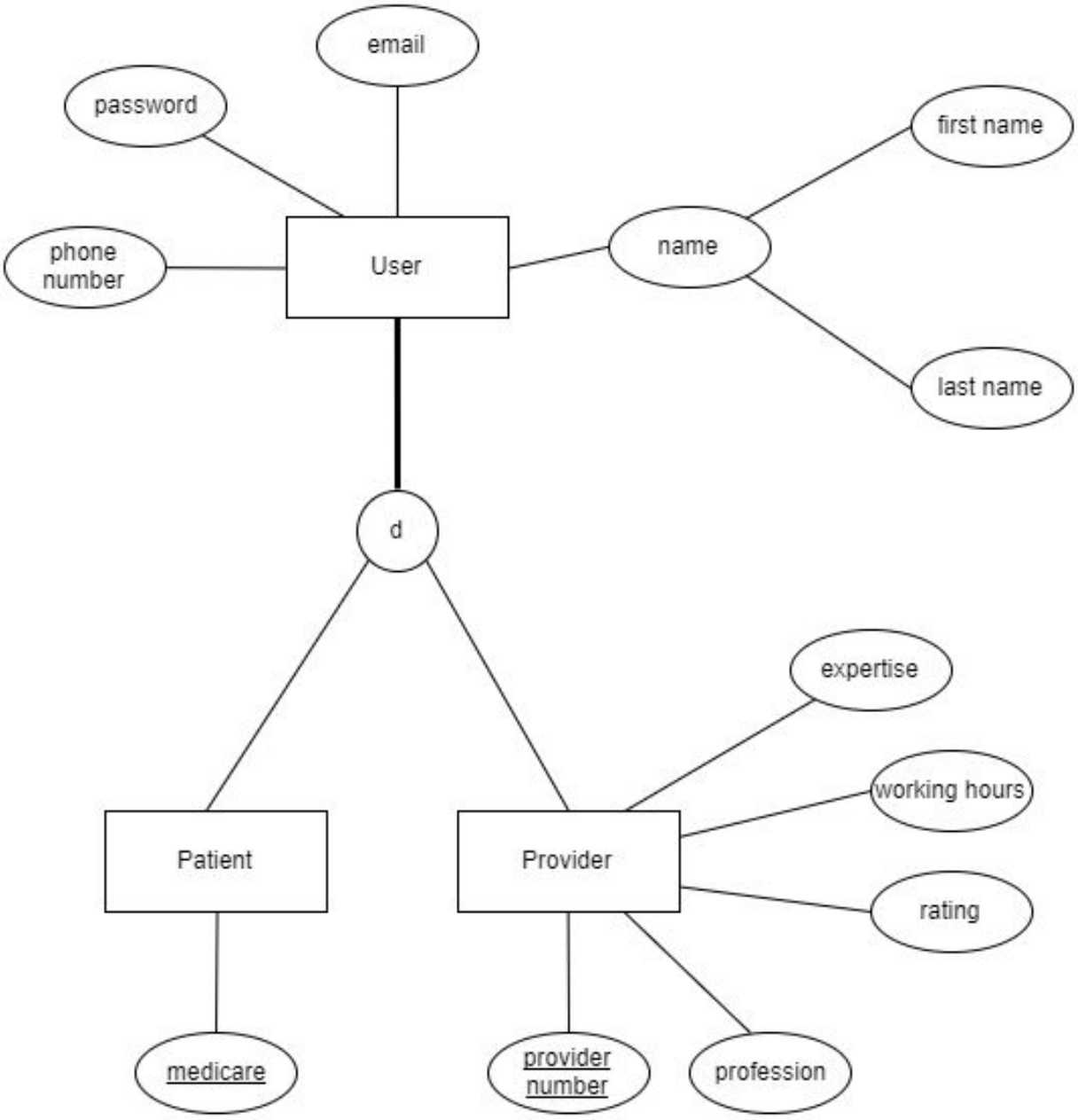
| ID | US19 |
| --- | --- |
| Name | Refer a patient to a specialist |
| **User-Story Description:**<br>As a GP, I want to be able to refer a patient to a specialist so that I can assist the patient by allowing them to see someone more specialized in a particular area<br>**Acceptance Criteria:**<br>- A referral to a specialist should be done possible during the GP's appointment with a patient<br>- A list of available specialists should be displayed to the GP allowing them to choose which specialist to refer the patient to<br>- If no specialist is selected, the patient is not referred<br>- A GP should be able to record a letter for the specialist<br>- Once referred, a patient should be able to make a booking with a specialist similar to a regular health provider<br>- A patient should not be able to book an appointment with a specialist if they have not been referred | |
| Estimate | 4 User Story Points (1 SP = ½ day) |
| Priority | 3 (Low) |

# UML Class Diagram



# ER Diagram


date
time
reason
phone number
password
email
medicare
Patient
Books
Appointment
Made for
Provider
password
email
phone number
provider number
working hours
name
rating
first name
last name
provider number
profession
name
last name
first name
notes
prescribed medicine
rating
ABN
type
Centre
Works at
phone
suburb
name


email
password
first name
phone number
User
name
last name
d
expertise
working hours
Patient
Provider
rating
medicare
provider number
profession

# Meeting 1

**Friday 17th of August 2018 / 3-5 PM**

## SUMMARY

Being our first meeting, we got to know each other and analysed the project specifications in great depth. Once we fully understood our task, we began planning for the upcoming design deliverables due in week 6.

## RESPONSIBILITIES ALLOCATED

- Dion would be creating the UML diagram and log book
- Angus would be creating user stories
- Vincent would configure the acceptance criteria for the user stories
- Edward would create the epic stories and user stories

## PROGRESS OF TASKS / MILESTONES ACHIEVED

This week we had simply registered our group and created a team github repository. This meant we were ready to begin work on the project.

## REFLECTION OF TASKS / OBSTACLES

Since we have just commenced work for the assignment, there is nothing to reflect and no obstacles have yet arisen.

# Meeting 2

**Friday 24th of August 2018 / 2-5 PM**

## SUMMARY

This meeting allowed us to overview each person's progress on next weeks deliverable, ensuring nobody was being overworked or someone was not being provided enough work. We also made slight modifications to the epic and user stories based on team member's feedback. Finally, we slightly altered the responsibilities for the task as the requirements had been updated, ensuring everyone knew what to do before the next meeting.

## RESPONSIBILITIES ALLOCATED

- Dion would be maintaining the log book and user stories
- Angus would continue work on the user stories
- Vincent would continue making acceptance criteria for the user stories
- Edward would continue working on the user stories

## PROGRESS OF TASKS / MILESTONES ACHIEVED

Everyone had been making great progress with their assigned tasks from last week. The epic stories had been completed and a large amount of user stories had been written. The UML diagram was also partly done. Whilst no major milestones were achieved, we were working at an efficient pace that would see us finishing well before the due date of deliverable 1.

## REFLECTION OF TASKS / OBSTACLES

With the requirements for the week 6 deliverable being changed to not require the UML diagram, our team responsibilities were slightly altered. This was not a major issue and simply meant some roles had to be reallocated.

# Meeting 3

**Friday 31st of August 2018 / 4-6 PM**

## SUMMARY

This was the final meeting before the week 6 deliverable was due, so most of our time was spent doing a final overview of our user stories for this. After making changes and ensuring all members were satisfied with the completed work, we were then ready to move onto allocating user stories for each member to implement, using the lab demonstration requirements to determine the priority of certain user stories. The highest priority user stories were the ones to be allocated.

## RESPONSIBILITIES ALLOCATED

- Dion would implement the login user story
- Angus would implement the search function user story
- Vincent would implement the view profile page user story
- Edward would implement the view current appointments user story

## PROGRESS OF TASKS / MILESTONES ACHIEVED

At this point we had completed the majority of the week 6 deliverable, with only minor tweaks and modifications being necessary. These were done during this meeting, allowing us to submit the task and completing this first major milestone. We were now ready to move onto creating the actual system.

## REFLECTION OF TASKS / OBSTACLES

After getting our user stories reviewed by the tutors, we were able to spot some issues, returning to our original work and making changes. This led to the quality of our user stories being much higher. Additionally, some of our members were having issues with their github accounts, which restricted them from creating private repositories. This was eventually resolved. We also had to update the priority of some of the user stories to coincide with the week 9 lab demonstration, ensuring we would have all the necessary components prepared for this date.

# Meeting 4

**Friday 7th of September 2018 / 4-5:30 PM**

## SUMMARY

This meeting served as preparation from the next milestone as many of us had assignments or tests coming up for other subjects. We had laid out our plan the previous meeting and delegated preliminary roles to each other - this allowed us to effectively manage our time between our workloads. We brainstormed ideas which ultimately lead us to shift roles based on our relative strengths. A performance review of the previous milestone was also conducted, assessing each member's contributions and possible improvements.

## RESPONSIBILITIES ALLOCATED

- Dion would maintain the logbook, modifying the UML diagram to specification and general clean up of the code
- Angus would work on viewing the profile pages
- Vincent would work on the booking functionality
- Edward would work on search function

## PROGRESS OF TASKS / MILESTONES ACHIEVED

As it was immediately after the first milestone, we were not too quick to jump into the implementation of the system. This choice allowed us to give more time to our other tasks, before completely committing to this group assignment.

## REFLECTION OF TASKS / OBSTACLES

Our main obstacle at this point was now laying the foundation of the website. Furthermore, an understanding of how each feature of the website should function was an ongoing obstacle that would have to be overcome in time for the second milestone. Overall, we were confident in our role shift.

# Meeting 5

**Friday 14th of September 2018 / 4-6 PM**

## SUMMARY

This meeting allowed us to overview each person's progress on next weeks deliverable, ensuring nobody was being overworked or someone was not being provided enough work. We also made slight modifications to the epic and user stories based on team member's feedback. Finally, we slightly altered the responsibilities for the task as the requirements had been updated, ensuring everyone knew what to do before the next meeting.

This was the final meeting before the second milestone was due. We had discussed each member's progress on their respective responsibilities to see if any assistance was required by other member's. We had discussed final deliverables for the milestone, and had commented on any changes needed to each section. Finally, we had discussed any additional functionality

## RESPONSIBILITIES ALLOCATED

No responsibilities were changed

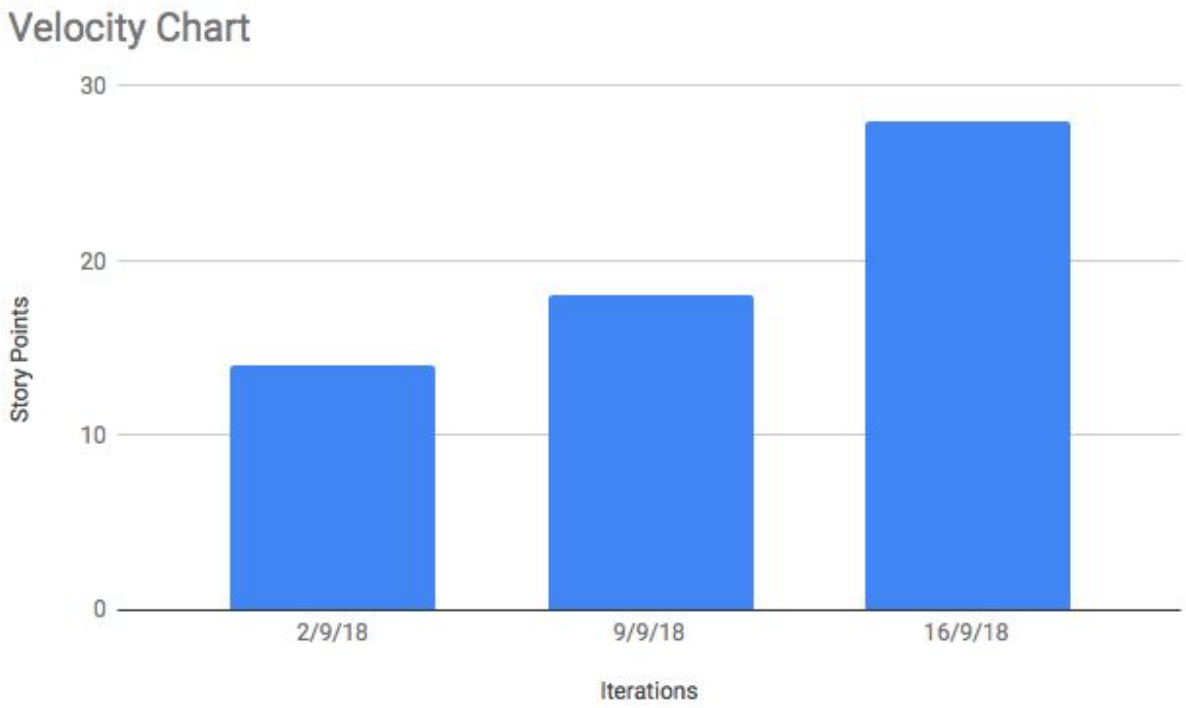
## PROGRESS OF TASKS / MILESTONES ACHIEVED

We had completed a majority of the tasks set last week so we only had to finalise the tasks. Some of the tasks had already been completed by members so in turn, they were free to assist other members that had not. This would allow us to readily complete the tasks by the milestone date.

## REFLECTION OF TASKS / OBSTACLES

A majority of the obstacles were individual faced with the implementation. There were challenges that all members faced with the code but through further research and the help of other team members, the challenges were overcome. A final inspection of the code was also done to ensure all the specifications of the second milestone were met. The team was happy with what we had produced thus far.

# Velocity Chart (Milestone 2)



# Meeting 6

**Friday 21st of September 2018 / 4-5:30 PM**

## SUMMARY

In this meeting we had discussed the features that would be needed in time for milestone 3. We had made a list of what deliverables needed to be implemented, as well as general changes

- Fix booking times so it uses the working hours of the provider
- Add start appointment feature from appointments page -> record notes
- Clean up booking times code
- All Milestone 3 changes

We had decided that we would work on the implementation of the core website components before progressing with clean up and any diagrams of the design (Class and ER)

## RESPONSIBILITIES ALLOCATED

- Dion would add additional functionality to the users and clean up of the profiles code
- Angus would work on start appointment
- Vincent would work on cleaning up the booking times and help with start appointment
- Edward would work patient history and interaction with the provider

## PROGRESS OF TASKS / MILESTONES ACHIEVED

We had not progressed much as we had only just received the milestone, but we had a strong foundation to achieve such tasks. Milestones had not been achieved but the plan had been laid out.

## REFLECTION OF TASKS / OBSTACLES

We now had a renewed understanding of what was needed to achieve the final milestone and the features that had to be implemented. We were not as worried at this stage as the due date was still a fair time away, but we knew it would be best to get working on the milestones as soon as possible to avoid last minute crunch time.

# Meeting 7

**Friday 28th of September 2018 / 4-5:00 PM**

## SUMMARY

This meeting was fairly short, as we had overestimated the amount of work we had delegated ourselves last week and the equality of the share. We could not progress further onto the final diagrams of the design and test cases until we had implemented the website systems. Due to this, working on the code was of the utmost importance and everyone would be doing their share. Many of us had assignments for other courses due around this time period too, so there was a quiet period where we weren't working on the project as much as we should have. Following this meeting, we had agreed that we would get the milestones achieved as soon as possible.

## RESPONSIBILITIES ALLOCATED

Responsibilities weren't allocated tradiationally. We had decided that once each person had the time and availability to work on the code, they would do it and inform the others of what they had achieved/done

## PROGRESS OF TASKS / MILESTONES ACHIEVED

A majority of the previous tasks were completed but the start appointment still needed work and patient history was nearly completely done at this point.

## REFLECTION OF TASKS / OBSTACLES

As it was a short meeting, we had not really done a "reflection" in a traditional sense but rather just reflected upon the completed tasks in the Facebook group chat. Obstacles we still needed to do included additional patient history functionality and error handling.

# Meeting 8

**Friday 5th of October 2018 / 4:30-6:15 PM**

## SUMMARY

This would be one of the last meetings before the due date, because of the milestone criteria that stated “commits in the last 48 hours will lose marks”. This had been one of our most productive meetings yet as we were discussing the final aspects of the project that needed to be completed. We knew we would eventually talk in the tute/lab the next Thursday about the project but we had talked about what parts of the project needed fixing up and how to implement certain parts e.g. unit test cases and user acceptance. Fixing up the UML diagram and fixing up double booking was also a necessary. The group also brought up the report but we had decided that since it was to be due after the website, we would scrap working on it until after the milestone.

## RESPONSIBILITIES ALLOCATED

As with last week, we did not specifically allocate responsibilities. We just chose tasks that we thought we needed to accomplish, and checked if anyone else had done them. For the most part though, this was how the allocation was dealt with:

- Dion would add the specialist provider type and referral system -> allowing only bookings if they were referred
- Angus would work on the updating the appointments so they update simultaneously for both the user and provider
- Vincent would work on testing, user stories and the documentation (logbook, diagrams)
- Edward would work error also work on specialist referrals and appointment history bug fixes

## PROGRESS OF TASKS / MILESTONES ACHIEVED

The previous week had been relatively slow as we had laid out most of the groundwork for the project in previous weeks, and the aspects that needed to be worked on required the project to be complete for those aspects to be 100% correct e.g. the updated UML diagram and pytests. We had fixed some parts such as editing history, some master merge conflicts and improved profiles functionality (affiliated providers, editing and information features).

## REFLECTION OF TASKS / OBSTACLES

After this meeting, we felt like we all knew what to do and another dedicated meeting would not be necessary (besides the lab next week of course). We were confident in our ability to finish the project and meet the required specifications by the due date.

# Meeting 9

**Thursday 11th of October 2018 / 1:30 - 2:00 PM**

## SUMMARY

This was not a planned “meeting” but rather catch-up for the group as we all had finished the lab test and were present for the lab. We were trying to find the features that still needed to be added to project for it to be fully complete. We did this primarily through scanning the project specifications and seeing if we had made. As this was a mini-meeting, there was no allocation of tasks. We had settled that we needed to accomplish:

- Previous history
- Simpler patient history access
- Specialist referral bug fixing (implementation of it was not working well with current functionality)
- Miscellaneous bugs and functionality improvements
- Complete pytests
- UML diagram

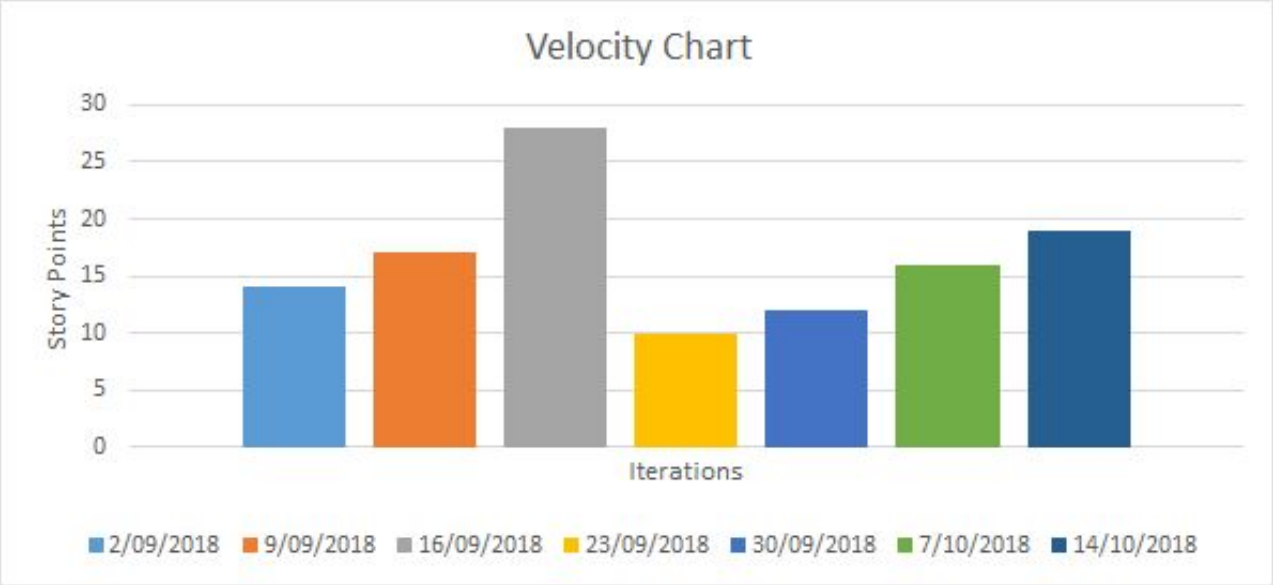
## RESPONSIBILITIES ALLOCATED

No responsibilities were allocated as explained above.

## PROGRESS OF TASKS / MILESTONES ACHIEVED

Most of the tasks had already been achieved except those listed above.

## REFLECTION OF TASKS / OBSTACLES

We were all happy of the work that had been completed so far. The task had taken a fair amount of time by all members and we were overall happy with the result at this point. Since the project had not been completely finished yet, we were not ready to fully reflect on this project as a whole.

# Velocity Chart (Milestone 3)