

# The\_Bachelorettes - User Stories

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

## 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
<p><b>User-Story Description:</b> 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</p> <p><b>Acceptance Criteria:</b></p> <ul style="list-style-type: none"><li>- Should be able to update each field including phone number, email address, name and Medicare number or healthcare provider number</li><li>- Should be able to add and remove certain personal information that is not required eg. multiple phone numbers</li><li>- A health care provider can update their profession and the health centre they work at</li><li>- A health centre can update which other health centres they are associated with and the working hours of a particular health care provider</li></ul>	
Estimate	6 User Story Points (1 SP = ½ day)
Priority	1 (High)

ID	US2
Name	View personal information
<b>User-Story Description:</b> 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 <b>Acceptance Criteria:</b> <ul style="list-style-type: none"> <li>- Should be able to view all personal information including phone number, email address, name and Medicare number or healthcare provider number</li> <li>- Should be able to view a list of past appointments</li> <li>- A health care provider can view their profession and the health centre they work at</li> <li>- A health centre can view which other health centres they are associated with and the working hours of a particular health care provider</li> </ul>	
Estimate	8 User Story Points (1 SP = ½ day)
Priority	1 (High)

ID	US3
Name	Search for healthcare centre
<b>User-Story Description:</b> As a patient, I want to search for a healthcare centre with a series of filters to find a healthcare centre that suits my interests <b>Acceptance Criteria:</b> <ul style="list-style-type: none"> <li>- Search by suburb and by name</li> <li>- Search by particular type of service (eg. GP)</li> <li>- View health care providers available at each centre</li> <li>- View details about the healthcare centre including address and contact details</li> <li>- View similar healthcare centres available</li> <li>- If no healthcare centre matches search filters, display message “No healthcare centres available” and suggest near matches</li> <li>- Can click on healthcare centres name to go to the healthcare centre's profile page</li> </ul>	
Estimate	12 User Story Points (1 SP = ½ day)
Priority	2 (Medium)

ID	US4
Name	Search for healthcare provider
<b>User-Story Description:</b> As a patient, I want to search for a healthcare provider with a series of filters to find a healthcare provider that suits my interests <b>Acceptance Criteria:</b> <ul style="list-style-type: none"> <li>- View availability of each healthcare provider</li> <li>- Be able to view details about healthcare provider, including which healthcare centres the provider is available at and their working hours</li> <li>- Search by name</li> <li>- View similar healthcare providers</li> <li>- If no healthcare provider matches exact filters, display message “No healthcare centres available” and suggest near matches</li> <li>- Can click on healthcare centres name to go to the healthcare centre’s profile page</li> </ul>	
Estimate	10 User Story Points (1 SP = ½ day)
Priority	2 (Medium)

ID	US5
Name	View healthcare centre’s profile
<b>User-Story Description:</b> As a patient, I want to view a healthcare centre’s profile page to be able to view details about the healthcare centre <b>Acceptance Criteria:</b> <ul style="list-style-type: none"> <li>- View details about the healthcare centre including contact details</li> <li>- Book an appointment with the healthcare centre from their profile page</li> <li>- View opening hours and healthcare providers available from this centre</li> <li>- View customer rating of the healthcare centre</li> <li>- Be able to click a link to the healthcare providers’ profiles at this centre</li> </ul>	
Estimate	6 User Story Points (1 SP = ½ day)
Priority	2 (Medium)

ID	US6
Name	View healthcare provider's profile
<b>User-Story Description:</b> As a healthcare provider, I want to view a healthcare provider's profile page to be able to view details about the provider <b>Acceptance Criteria:</b> <ul style="list-style-type: none"> <li>- View details about the healthcare provider including contact details</li> <li>- Be able to book an appointment at one of the healthcare centres the provider works at</li> <li>- Display a list of all affiliated healthcare centres</li> <li>- Be able to go to these healthcare centres' profiles from the provider's profile</li> </ul>	
Estimate	6 User Story Points (1 SP = ½ day)
Priority	2 (Medium)

ID	US7
Name	Book an appointment
<b>User-Story Description:</b> As a patient, I want to book an appointment so I can receive healthcare service easily <b>Acceptance Criteria:</b> <ul style="list-style-type: none"> <li>- Enter required information including Medicare number into a form</li> <li>- Be able to book an appointment through a healthcare provider's or centre's profile page</li> <li>- Have an option of 48 equally sized time slots, each of which is 30 minutes long</li> <li>- Be able to enter brief information for the appointment</li> <li>- Be able to display a confirmation that the appointment has been booked to the user</li> </ul>	
Estimate	8 User Story Points (1 SP = ½ day)
Priority	1 (High)

ID	US8
Name	View reviews
<b>User-Story Description:</b> As a patient, I want to view reviews of healthcare centres and providers to be able to choose a healthcare centre/provider that meets my interests <b>Acceptance Criteria:</b> <ul style="list-style-type: none"> <li>- View reviews stored in the system of a healthcare provider or centre on search results</li> <li>- View reviews stored in the system of a healthcare provider or centre on their profile page</li> </ul>	
Estimate	8 User Story Points (1 SP = ½ day)
Priority	2 (Medium)

ID	US9
Name	Create a review for a healthcare centre
<b>User-Story Description:</b> As a patient, I want to create a review for a healthcare centre to provide feedback and help other patients in choosing a healthcare centre <b>Acceptance Criteria:</b> <ul style="list-style-type: none"> <li>- Display a form to create a review from a healthcare centre's profile page</li> <li>- Only have this option available when an appointment has been completed</li> <li>- Only have the patient's most recent rating count towards the healthcare centre's overall average rating if the patient has made multiple ratings</li> </ul>	
Estimate	8 User Story Points (1 SP = ½ day)
Priority	3 (Low)

ID	US10
Name	Create a review for a healthcare provider
<b>User-Story Description:</b> As a patient, I want to create a review for a healthcare provider to provide feedback and help other patients in choosing a healthcare provider <b>Acceptance Criteria:</b> <ul style="list-style-type: none"> <li>- Display a form to create a review from a healthcare provider's profile page</li> <li>- Only have this option available when an appointment has been completed</li> <li>- Only have the patient's most recent rating count towards the healthcare provider's overall average rating if the patient has made multiple ratings</li> </ul>	
Estimate	4 User Story Points (1 SP = ½ day)
Priority	3 (Low)

ID	US11
Name	Login into the system as a patient
<b>User-Story Description:</b> As a patient, I want to login into the HAMS system so I can utilise all of the features the system offers for patients <b>Acceptance Criteria:</b> <ul style="list-style-type: none"> <li>- Is extremely secure and encrypts the patient's login credentials to prevent security issues</li> <li>- Be able to grant patients the ability to use the features offered by the system only when logged in successfully</li> <li>- Only grants access to features the patient should have access to when logged in</li> <li>- If login was unsuccessful return error message "Login unsuccessful. Name or password incorrect."</li> </ul>	
Estimate	10 User Story Points (1 SP = ½ day)
Priority	1 (High)

ID	US12
Name	Login into the system as a healthcare provider
<b>User-Story Description:</b> 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 <b>Acceptance Criteria:</b> <ul style="list-style-type: none"> <li>- Is extremely secure and encrypts the patient's login credentials to prevent security issues</li> <li>- Be able to grant patients the ability to use the features offered by the system only when logged in successfully</li> <li>- Only grants access to features the patient should have access to when logged in</li> <li>- If login was unsuccessful return error message "Login unsuccessful. Name or password incorrect."</li> </ul>	
Estimate	10 User Story Points (1 SP = ½ day)
Priority	1 (High)

ID	US13
Name	View Patient's Appointments History
<b>User-Story Description:</b> 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 <b>Acceptance Criteria:</b> <ul style="list-style-type: none"> <li>- The list of appointments should have links to the profile pages of the corresponding health provider and healthcare centre</li> <li>- The list of appointments should be chronological and listed with the date of appointment</li> </ul>	
Estimate	4 User Story Points (1 SP = ½ day)
Priority	3 (Low)

ID	US14
Name	View Health Provider's Appointments History
<b>User-Story Description:</b> 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 <b>Acceptance Criteria:</b> <ul style="list-style-type: none"> <li>- The list of appointments should be chronological and listed with the date of appointment</li> <li>- Each entry should contain a link to the patient's profile page</li> </ul>	
Estimate	4 User Story Points (1 SP = ½ day)
Priority	3 (Low)

ID	US15
Name	Viewing Patient History
<b>User-Story Description:</b> As a healthcare provider, I want to be able to view a patient's appointment history so I can consult with the patient accordingly <b>Acceptance Criteria:</b> <ul style="list-style-type: none"> <li>- The patient's appointment history should be accessed through their profile page</li> <li>- A description of what occurred in a specific appointment should be viewable, including any medication prescribed and notes taken at the previous visit</li> </ul>	
Estimate	6 User Story Points (1 SP = ½ day)
Priority	2 (Medium)



ID	US16
Name	Recording Notes for the patient
<b>User-Story Description:</b> As a healthcare provider, I want to be able to record notes during a patient consultation so other healthcare providers can use this information <b>Acceptance Criteria:</b> <ul style="list-style-type: none"> <li>- Notes should be able to be recorded during the patient's consultation</li> <li>- Medication that was prescribed to the patient should be able to be recorded</li> <li>- Notes should be tied to the patient's appointment history</li> </ul>	
Estimate	6 User Story Points (1 SP = ½ day)
Priority	1 (High)

User stories required for iteration 1:

UML Class Diagram

Allow a pre-registered user (patient or health-provider) to log into the system:

US11 - Login into the system as a patient

US12 - Login into the system as healthcare provider

Enable a patient to do search (as described above), book an appointment with a particular health-care provider and view their current appointments:

US3 - Search for healthcare centre

US4 - Search for healthcare provider

US7 - Book an appointment

Patient should be able to view current appointments

View profile pages of health-care centres and health-care providers:

US5 - View healthcare centre's profile

US6 - View healthcare provider's profile

Health-care providers should be able to view their current appointments:

Healthcare providers should be able to view current appointments

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# Meeting 1

Friday 17<sup>th</sup> 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.

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# Meeting 2

Friday 24<sup>th</sup> 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 31<sup>st</sup> 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 7<sup>th</sup> 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 14<sup>th</sup> 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.

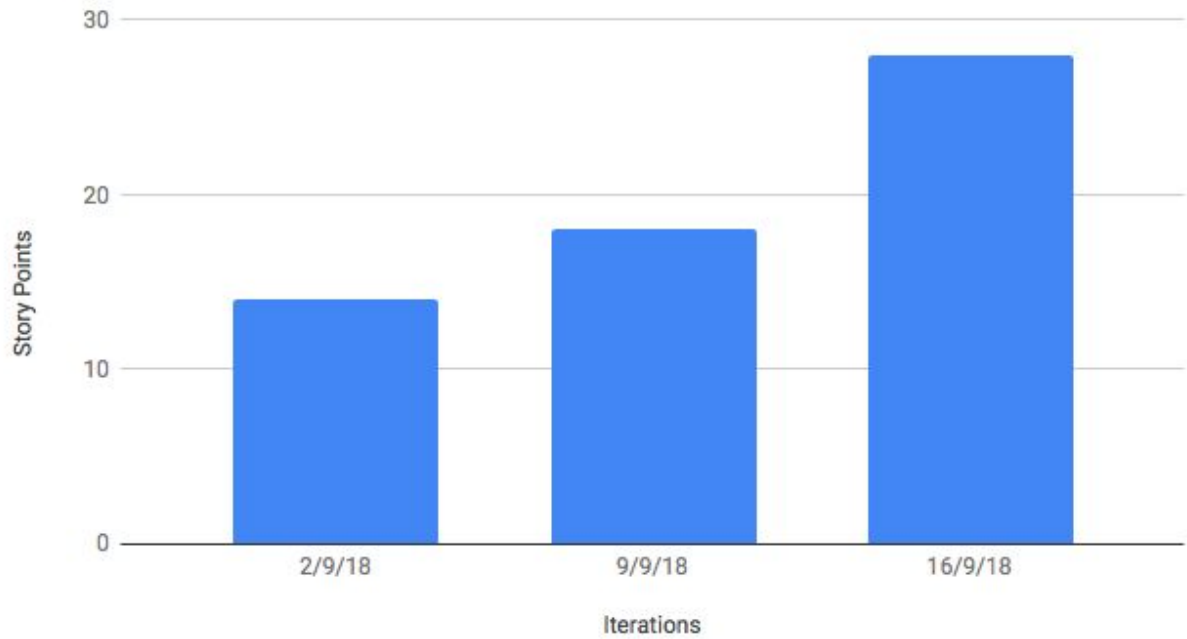
## REFLECTION OF TASKS / OBSTACLES

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.

A final

# Velocity Chart 1

Velocity Chart



# Meeting 6

Friday 21<sup>st</sup> 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 28<sup>th</sup> 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 traditionally. 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 5<sup>th</sup> 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 11<sup>th</sup> 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 2

