**AGMES P5 - Group 4**

## SPRINT PLANNING

**Sprint number** 01

**Sprint duration** 2 weeks

**Date:** 5/8/2020

**Time:** 1700 to 1830

**Minutes**: 60

**Venue:** Microsoft Team

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Team** | **Product Owner** | **Scrum Master** | **Scrum Team** | | |
| **Names** | Mohamed Ali | Si Long Leong | John Lam | Brenton Manks | Mohammed Almahdawi |
| **Attended** | Yes | Yes | Yes | Yes | Yes |

**Sprint 01 Goals:**

This Sprint focuses on the planning of all sprints and the release of the core features for the application. The aim of the sprint is to release a version of the application where the administrator and users can use the core features. The technology selected for the backend is spring boot with java8, Frontend is react with javascript and postman will be used for unit testing.

**The Team’s vision for Sprint 01:**

Establish as many user stories as possible

Create PBI’s spreadsheet

Create Sprint backlog

Burndown chart

Set up Trello board

Set up backend SpringBoot with Java8

Start Front end react and javascripting

Create acceptance tests.

**PBIs to be completed during this Sprint:**

PBI 3: View Agme Homepage with sign up

PBI 4: About us page

PBI 5: Contact us page

PBI 9: Customer sign up account:

Acceptance Tests

**Estimation in story points:**

PBI 3: View Agme Homepage with sign up: 8

PBI 4: About us page: 1

PBI 5: Contact us page: 2

PBI 9: Customer sign up account: 8

Total: 19

## Scrum Poker

#### user story #1

All members agreed on the point of 1 in first attempt

#### user story #2

Mahammad: 4

Si Long: 4

John: 8

Brenton: 8

Justification:

Reason for 4, is because it appears to be straightforward.

Reason for 8, is because this has critical priority, assuming we are going to do this reasonably early and some members are unfamiliar with React and Javascript

In the end, we agreed on the story point of 8

## Meeting #1

**Sprint number** 01

**Sprint duration** 2 weeks

**Date:** 29/7/2020

**Time:** 1730 to 1830

**Minutes**: 60

**Venue:** Microsoft Team

**Information / Decisions**

|  |  |
| --- | --- |
| No. | Item |
| 1 | The user stories each person is expected to write to fulfil to allocated functional requirement |
| 2 | Means of communication, agreed on MS Team |
| 3 | Mean of organising product backlog, agreed on Trello |
| 4 | The compulsory weekly meeting that suits each team member, agreed on every Monday, Wednesday and Friday |

**Action Items**

|  |  |  |  |
| --- | --- | --- | --- |
| No. | Item | Who | By |
| 1 | Write user stories that satisfy functional requirement 1 and 5 | Mohammed | 31/7/2020 |
| 2 | Write user stories that satisfy functional requirement 2 and 4 | Si Long | 31/7/2020 |
| 3 | Write user stories that satisfy functional requirement 3 and 7 | John | 31/7/2020 |
| 4 | Write user stories that satisfy functional requirement 6 and 8 | Brenton | 31/7/2020 |

## Meeting #2

**Sprint number** 01

**Sprint duration** 2 weeks

**Date:** 31/7/2020

**Time:** 1730 to 1830

**Minutes**: 60

**Venue:** Microsoft Team

Attendees

|  |  |  |  |
| --- | --- | --- | --- |
| Si Long Leong | John Lam | Brenton Manks | Mohammed Almahdawi |

**Information / Decisions**

|  |  |
| --- | --- |
| No. | Item |
| 1 | Determined what features we need and write user stories for them organized by feature |
| 2 | Agreed on template to use for writing user stories, tasks, acceptance criteria and acceptance tests, to prepare for transferring the information to Trello and create PBI |
|  |  |
|  |  |

**Action Items**

|  |  |  |  |
| --- | --- | --- | --- |
| No. | Item | Who | By |
| 1 | Finish user stories, add tasks, acceptance criteria and acceptance tests | Mohammed | 5/8/2020 |
| 2 | Finish user stories, add tasks, acceptance criteria and acceptance tests | Si Long | 5/8/2020 |
| 3 | Finish user stories, add tasks, acceptance criteria and acceptance tests | John | 5/8/2020 |
| 4 | Finish user stories, add tasks, acceptance criteria and acceptance tests | Brenton | 5/8/2020 |

## Meeting #3

**Sprint number** 01

**Sprint duration** 2 weeks

**Date:** 2/8//2020

**Time:** 1230 to 1300

**Minutes**: 60

**Venue:** Microsoft Team

Attendees

|  |  |  |  |
| --- | --- | --- | --- |
| Si Long Leong | John Lam | Brenton Manks | Mohammed Almahdawi |

**Information / Decisions**

|  |  |
| --- | --- |
| No. | Item |
| 1 | Start on PBI |
|  |  |
|  |  |
|  |  |

**Action Items**

|  |  |  |  |
| --- | --- | --- | --- |
| No. | Item | Who | By |
| 1 | Help with PBI | Mohammed | 5/8/2020 |
| 2 | Organised and check the user stories, fill out any missing sections | Si Long | 5/8/2020 |
| 3 | Organised and check the user stories, fill out any missing sections and start to transfer as PBI to Trello | John | 5/8/2020 |
| 4 | Organised and check the user stories, fill out any missing sections and help to transfer as PBI to Trello | Brenton | 5/8/2020 |

## Standup meeting 1

**Sprint 01**

**Date: Friday 07/8/20**

**Time: 1830- 1900**

**Minutes: 30**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Team** | **Scrum Master** | **Scrum Team** | | |
| **Names** | Si Long Leong | John Lam | Brenton Manks | Mohammed Almahdawi |
| **Attended** | Yes | Yes | Yes | Yes |

**Si Long Leong**

1. What did I accomplish yesterday?

Learned React and started on the view of the Sign In Page. Written the DoD for the first 5 user stories

1. What will I do today?

Finish the view of the Sign In and add more DoD

1. What obstacles, if any, are impeding my progress?

Learning React slowed down progress

**John Lam**

1. What did I accomplish yesterday?
   1. Began User stories, PBI and planning notes
2. What will I do today?
   1. Update user story acceptance criteria, update PBI DoD and start learning spring boot, sprint backlog
3. What obstacles, if any, are impeding my progress?

Career obligations and other assignments are slowing down progress.

**Brenton Manks**

1. What did I accomplish yesterday?
   1. Began user stories.
2. What will I do today?
   1. Complete user stories, plan for backlog.
3. What obstacles, if any, are impeding my progress?
   1. Story completion to continue with backlog.

**Mohammed Almahdawai**

1. What did I accomplish yesterday?
   1. Researching on user authentication and authorisation.
2. What will I do today?
   1. Implementing user crud functionalities
3. What obstacles, if any, are impeding my progress?
   1. None for now.

## Standup meeting 2

**Sprint 01**

**Date: Monday 10/8/20**

**Time: 1230-1300**

**Minutes: 30**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Team** | **Scrum Master** | **Scrum Team** | | |
| **Names** | Si Long Leong | John Lam | Brenton Manks | Mohammed Almahdawi |
| **Attended** | Yes | Yes | Yes | Yes |

**Si Long Leong**

1. What did I accomplish yesterday?

Finished sign up view

1. What will I do today?

Link react with Spring Boot

1. What obstacles, if any, are impeding my progress?

None

**John Lam**

1. What did I accomplish yesterday?

Updated acceptance tests and criterias, updated planning notes, created sprint backlog

1. What will I do today?

Finish DoD, start backend and unit tests

1. What obstacles, if any, are impeding my progress?

None

**Brenton Manks**

1. What did I accomplish yesterday?
   1. Worked on finalising frontend-login page.
2. What will I do today?
   1. Pushing frontend-login page to new branch on github.
   2. Documentation.
3. What obstacles, if any, are impeding my progress?
   1. None.

**Mohammed Almahdawai**

1. What did I accomplish yesterday?
   1. Worked on the backend and database for signup and login functionality.
2. What will I do today?
   1. Get the signup to work and fix the database issues.
3. What obstacles, if any, are impeding my progress?
   1. Database problem I couldn’t figure it out but I will work on it tonight.

## Standup meeting 3

**Sprint 01**

**Date: Wednesday 12/8/20**

**Time: 1630-1730**

**Minutes: 30**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Team** | **Scrum Master** | **Scrum Team** | | |
| **Names** | Si Long Leong | John Lam | Brenton Manks | Mohammed Almahdawi |
| **Attended** | Yes | Yes | Yes | Yes |

**Si Long Leong**

1. What did I accomplish yesterday?

Finished sign up view

1. What will I do today?

Link react with Spring Boot

1. What obstacles, if any, are impeding my progress?

None

**John Lam**

1. What did I accomplish yesterday?

Updated acceptance tests and criterias,

1. What will I do today?

Finish DoD, finish acceptances, prepare for milestone 1

1. What obstacles, if any, are impeding my progress?

None

**Brenton Manks**

1. What did I accomplish yesterday?
   1. Worked on finalising frontend-login page.
2. What will I do today?
   1. Pushing frontend-login page to new branch on github.
   2. Documentation.
3. What obstacles, if any, are impeding my progress?
   1. None.

**Mohammed Almahdawai**

1. What did I accomplish yesterday?
   1. Worked on the signup and login functionalities and JWT.
2. What will I do today?
   1. Get the JWT issues fixed.
3. What obstacles, if any, are impeding my progress?
   1. None.

## Standup meeting 4

**Sprint 01**

**Date: Friday 14/8/20**

**Time: 1730-1800**

**Minutes: 30**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Team** | **Scrum Master** | **Scrum Team** | | |
| **Names** | Si Long Leong | John Lam | Brenton Manks | Mohammed Almahdawi |
| **Attended** | Yes | Yes | Yes | Yes |

**Si Long Leong**

1. What did I accomplish yesterday?

Not much, attempted add functionality to sign in page but without success

1. What will I do today?

Make home page and about us page, also organize and add to the acceptance test document

1. What obstacles, if any, are impeding my progress?

Connecting spring boot with react to get the functionality of the sign in

**John Lam**

1. What did I accomplish yesterday?

Had to work on other assignments for other subjects. Learnt about unit tests

1. What will I do today?

Review documentation of planning notes, retronotes, standup, PBI and Sprint Backlog.

1. What obstacles, if any, are impeding my progress?

Work commitments limit me for time.

**Brenton Manks**

1. What did I accomplish yesterday?
2. Worked on documentation (PBI, Acceptance test files)
3. What will I do today?
   1. Work on ‘Contact Us’ page, documentation for milestone 1 submission.
4. What obstacles, if any, are impeding my progress?
   1. None

**Mohammed Almahdawai**

1. What did I accomplish yesterday?
   1. Spent time working on the sign in functionality.
2. What will I do today?
   1. Get sign in functionality to work.
3. What obstacles, if any, are impeding my progress?
   1. None.

## SPRINT RETRO

**SPRINT RETRO NOTES**

**Sprint number** 01

**Sprint duration** 2 weeks

**Date:** 19/8/20

**Time:** 5.15 to 6.15

**Minutes**: 60

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Team** | **Product Owner** | **Scrum Master** | **Scrum Team** | | |
| **Names** | Mohamed Ali | Si Long Leong | John Lam | Brenton Manks | Mohammed Almahdawi |
| **Attended** | Yes | Yes | Yes | Yes | Yes |

## 1. Things That Went Well

* Started off working quickly as a team starting
  + user stories
  + all the documentation was established immediately.
  + Everyone completed their roles.
* Trello set up went smoothly,
* UserStories, DoD, PBI and notes were well documented and organised.
* Everyone Participated and contributed to all meetings.

## 2. Things That Could Have Gone Better

* Allocating tasks
  + We need to have more direction and better communication for what to do, how and when for completing documentation. Although we did set the time of when certain documentations were expected to be completed, due to different schedules for among members, this was not always possible. This could have been better if more communication had taken place, even among smaller group of members, asking for help when necessary so that that the work can be completed in a timely manner
* Si Long:
  + It would have been a good idea for the people who are using React for the first time to have a coding demonstration and practice together to learn about the core skills and knowledge, to ensure those members can comfortably use the tools required and not spend too much time researching how to use React individually on their own.

There are also confusing instructions among different tutors and the lecturer. Some say we do not need retro and review for the first sprint, while some say no sprint planning for sprint 0 but have retro and review. It would have been better if we asked our own tutor rather than from others.

* John Lam
* GitHub difficulties, could not push or pull from terminal, had to use github desktop and GitBash to push or pull.

## 3. Things That Surprised Us

* SpringBoot was more difficult than expected.
  + We had some IDE difficulties and some DB setup issues.
  + We had to learn and inspect some of the dependencies.
  + Hard to choose the right way of implementing some functionality because there are multiple ways of implementation.
* Needed a bigger learning curve.
  + We have to differentiate between the backend and frontend.
  + Learning many things including the connections between the frontend and backend, role based user account, and db adapters.
* Wasn’t expecting the amount of documentation required compared to coding.
  + We have written many user stories at the beginning, so when it came to writing acceptance criterias and testings, along with following the detailed template provided, the amount of time this took was extensive
* Spend more time organising meetings, documentation and setups than actual coding in the first sprint.

## 4. Lessons Learned

Division of work between front-end and back-end makes the work more clear. More efficient compared to solo coding.

* Coding is different between the front-end (html/javascript) and back-end (Java/Spring Boot). Working on a designated area has helped create focus and quicker product. It has also helped to allocate members whose strengths are in particular areas.

## 5. Final Thoughts

Documentation is set up correctly.

* Templates have been set up and customised for our group.

Keep adding to the documentation as we go.

* Now that the templates are established future documentation should be much improved as we duplicate and edit them for the sprint window required.

We need to change the way to manage our files, Google Drive is efficient to use.

* We have stored all documentation files in Google Drive. It works well as we can collaborate together, add comments/to-do points and historical track edits.

# Burndown Chart

A screenshot of a cell phone

Description automatically generated

The orange coloured graph is the actual remaining hours of the sprint, which is significantly higher than the expected remaining hours. This is due to this sprint being heavily focused on user stories, writing acceptance tests and other documentation. The estimation time was based on the story points of the user stories, not including documentations, and the additional time that was spent on learning Spring Boot and React also delayed the progress. However, according to this burndown part, the process of the team overall appears to be fairly consistent all throughout the sprint. This was because we have frequent stand up meetings, which encouraged members to make consistent progress throughout the sprint. Our team started early and made progress from the first day. It is expected that the second sprint will proceed smoothly if we put in similar effort as this sprint. The differences between expected hours and actual hours of work remain should decrease in the second sprint, as much of the documentations, such as for the PBI is already completed, therefore the focus can be on implementation of the user stories, allow the estimation time to be more similar to the estimated story point