1. As a user, in order to enhance the account security, log in system is required so that user can access to interface.
   1. Input space in login page for user to input their username and password.
   2. Options on User page to set their new password

Estimate hour: 8

1. As a user, I want to send email to other users so that we can communicate with each other.

A. There is an email system for user to send email.

1. As a Product owner, I want to start a new project.
   1. There is a button for the product owner to create a new project and to become its product owner.

Estimate hour: 13

1. As a Product owner, I want to edit project so that I can change the information into projects.
   1. There is an edit button to edit the selected project.
   2. Show all the information of projects in Project Page.
   3. Option in edit view to save the information.
   4. Record the information of new edition.
   5. Option to back to Project page.

Estimate hour: 8

1. As a Product owner, I want to see a list of PBIs in Product backlog.

A. There is a table showing the list of PBIs and its information in the product backlog page.

1. As a Product owner, I want to create PBI in product backlog so that I can break project into several PBIs

A. There is an create button to create the PBI in product backlog

B. The fields provided by PBI can by automatically or manually filled to the task.

1. As a product owner, I want to edit PBIs so that I can fill the information into new created PBIs or modify old PBIs.
   1. There is an edit button to edit the selected PBIs.
   2. Show all the information of tasks in PBI Edit Page.
   3. Option in edit view to save the information.
   4. Record the information of new edition.
   5. Option to back to product backlog view.

Estimate hour: 8

1. As a product owner, I want to delete PBIs so that I don’t need to finish the useless PBI.
   1. There is a delete button to delete the selected PBI.
   2. Move the PBI from its product backlog.

Estimate hour: 4

1. As a product owner, I want the status of the product backlog item will automatically change whenever the PBI is moved to or removed from the sprint backlog.
   1. Status of PBIs change from “not yet started” to “In progress” if PBI is moved to sprint backlog
   2. Status of PBIs change from “in progress” to “not yet started” if PBI is removed to sprint backlog
   3. Status of PBIs change from “in progress” to “not finished” if sprint finishes before completing the PBI
   4. Status of PBIs change from “not finished” to “in progress” if the PBI is added to an in-progress sprint

Estimate hour: 2

1. As a Scrum manager, I want to view a list of all the projects which I am involved in.
   1. There is a table showing the list of projects which the manager involves in and acts as the scrum master of that project.

Estimate hour: 5

1. As a developer, I want to move PBIs from product backlog to Sprint backlog so that I can work on it in Sprint Backlog.

A. options for developer to move PBI to sprints

B. add PBIs to selected sprint backlog.

C. Status of PBIs change from “not done yet” to “In progress” if PBI is moved to sprint backlog

D. Status of PBIs change from “in progress” to “not done yet” if PBI is moved to sprint backlog

Estimate hour: 8

1. As a developer, I want to create tasks for PBIs so that I can break PBI into tasks.
   1. In the Sprint Backlog under the PBIs, it should be a create button to create tasks from the selected PBI
   2. The fields provided by PBI can by automatically or manually filled to the task.
   3. Record the time of task creation.

Estimate hour: 8

1. As a developer, I want to edit task so that I can fill the information into new created tasks or modify old tasks.
   1. There is an edit button to edit the selected task.
   2. Show all the information of tasks in Task Edit Page.
   3. In the edit view, all editable items can be edited by the task owner.
   4. Option in edit view to save the information.
   5. Record the information of new edition.
   6. Option to back to sprint backlog view.

Estimate hour: 8

1. As a developer, I want to delete tasks so that I don’t need to finish the useless tasks.
   1. There is a delete button to delete the selected task.
   2. Move the tasks from its PBI.

Estimate hour: 4

1. As a developer, I want to take ownership of tasks so that developer team can assign jobs to its members.
   1. At the starting point, the task may not be own by anyone, developer can declare the ownership of the task and start working on it.
   2. Option on task edit page for developer to take ownership of task.

Estimate hour 4

1. As a developer, I want to know the remaining hours so that I can know the progress of this team.
   1. Show the total remaining hour in sprint backlog page after calculation.

Estimate hour:3

1. As a developer, I want to finish and start a new sprint.
   1. When the sprint items are finished, the status of the current sprint will be changed to “Completed” automatically.
   2. When there are product backlog items tasks not finished at the end of the sprint, the corresponding PBI’s status will changed to “Unfinished” or “Not Started” depending on the situation and return the item to the product backlog.
   3. The sprint can be either started manually or automatically.

Estimate hour: 5

1. As a developer, I want the status of the PBI updated when the tasks of the PBI are done.
   1. Automatically changes the PBI status to “Completed” when all the corresponding tasks are done.

Estimate hour: 3

1. As a user, I want to know total effort hour so that I can determine how to assign tasks.
   1. Show the total effort hour in sprint backlog page after calculation.

Estimate hour: 3

1. As a user, I want to know total burndown hours so that I can know the progress of this team.
   1. Show the total burndown hour in sprint backlog page after calculation.

Estimate hour:3

1. As a participant of the project, I do not want any unauthorized people to gain access of my project.
   1. Mechanism is applied and allows only the authorised users have access to the project. Users can access to different functions depending on their role in the project

Estimate hour: 8