1. **Use Case Specification:** *Assign User Story To Sprint*
   1. **Brief Description**

This use case allows the scrum master to add the user story to Sprint.

* 1. **Actors**

Scrum Master

* 1. **Preconditions**

Scrum Master is logged into the Scrum Master Dashboard.

* 1. **Flow of Events**

**Basic Flow**

|  |  |
| --- | --- |
| **User Action** | **System Response** |
| 1. Scrum Master selects one of the listed projects. | 1. Redirect to the project page with the selected project |
| 2. Scrum master selects a sprint record from table view and click edit button | 2. Redirect to sprint update page with the selected sprint information |
| 3. Scrum master choose one user story to add to the sprint | 3. Show only user story status is enable and have not assigned to sprint  4. Update the sprint record with the assigned user to database. |

* 1. **Post-Conditions**

A User Story is added to the MUMScrum database recording that a User Story has been assigned to a Sprint.

* 1. **Business Rules**

User story can be added to only one Sprint.

* 1. **Nonfunctional Requirements -** N/A

1. **Use Case Specification:** *Create Sprint*
   1. **Brief Description**

This use case allows Scrum Master to create Sprint.

* 1. **Actors**

Scrum Master

* 1. **Preconditions**

Scrum Master is logged into the Scrum Master Dashboard.

* 1. **Flow of Events**

**Basic Flow**

|  |  |
| --- | --- |
| **User Action** | **System Response** |
| 1. Scrum Master selects one of the listed projects. | 1. Redirect to the project page with the selected project |
| 2. Scrum Master click on the “Create Sprint” button. | 2. Display the Create Sprint page with the input form |
| 3. Scrum master fill out all Sprint fields and click the “Save” button. | 3. System check the validation and the required fields, and if it is invalid the system will display warning information. If all validations are passed, a new Sprint will be created and saved to the system database. |

* 1. **Post-Conditions**

A new Sprint is added to the system database.

* 1. **Business Rules**

Only Scrum Master can create Sprint.

* 1. **Nonfunctional Requirements -** N/A

1. **Use Case Specification:** *Read Sprint*
   1. **Brief Description**

This use case allows Scrum Master to list all Sprints.

* 1. **Actors**

Scrum Master

* 1. **Preconditions**

Scrum Master is logged into the Scrum Master Dashboard.

* 1. **Flow of Events**

**Basic Flow**

|  |  |
| --- | --- |
| **User Action** | **System Response** |
| 1. Scrum Master selects one of the listed projects. | 1. Redirect to the project page with the selected project |
| 2. Scrum Master click on the “Show Sprint” button. | 2. Display all Sprints from the system database. |
| 3. Scrum master click the “Edit” button. | 3. Show the Sprint Detail page which display all information of the edited Sprint. |

* 1. **Post-Conditions**

All information of a specific Sprint is displayed.

* 1. **Business Rules**

Scrum Master must select the project to view all Sprints of that project.

* 1. **Nonfunctional Requirements -** N/A

1. **Use Case Specification:** *Update Sprint*
   1. **Brief Description**

This use case allows Scrum Master to update any Sprint.

* 1. **Actors**

Scrum Master

* 1. **Preconditions**

Scrum Master is logged into the Scrum Master Dashboard.

* 1. **Flow of Events**

**Basic Flow**

|  |  |
| --- | --- |
| **User Action** | **System Response** |
| 1. Scrum Master selects one of the listed projects. | 1. Redirect to the project page with the selected project |
| 2. Scrum Master click on the “Show Sprint” button. | 2. Display all Sprints from the system database. |
| 3. Scrum Master click the “Edit” button. | 3. Show the Sprint Detail page which display all information of the edited Sprint. |
| 4. Scrum Master modifies information of the Sprint, and then click “Save” button. | 4. Validate all input, if all input are valid the system will save the new information of that Sprint to the database. If some input are invalid, system will display the warning to Scrum Master, |

* 1. **Post-Conditions**

New information of a specific Sprint is updated and saved into the database.

* 1. **Business Rules**

Only Scrum Master can update Sprint.

Scrum Master must select the project to select any Sprint of that project and then update it.

* 1. **Nonfunctional Requirements -** N/A

1. **Use Case Specification:** *Delete Sprint*
   1. **Brief Description**

This use case allows Scrum Master to delete a Sprint.

* 1. **Actors**

Scrum Master

* 1. **Preconditions**

Scrum Master is logged into the Scrum Master Dashboard.

* 1. **Flow of Events**

**Basic Flow**

|  |  |
| --- | --- |
| **User Action** | **System Response** |
| 1. Scrum Master selects one of the listed projects. | 1. Redirect to the project page with the selected project |
| 2. Scrum Master click on the “Show Sprint” button. | 2. Display all Sprints from the system database. |
| 3. Scrum master click the “Delete” button. | 3. System will display a confirm message, if Scrum Master click “Ok” button, the selected Sprint will be deleted from our database. If Scrum Master click “Cancel” button, system will hide that confirm box. |

* 1. **Post-Conditions**

A Sprint will be deleted from our database.

* 1. **Business Rules**

Scrum Master must select the project to view all Sprints of that project, then he/she can delete any Sprint.

* 1. **Nonfunctional Requirements -** N/A

1. **Use Case Specification:** *Create User*
   1. **Brief Description**

This use case allows the System Admin to create a new user.

* 1. **Actors**

System Admin

* 1. **Preconditions**

System Admin is logged into the System Admin Dashboard.

* 1. **Flow of Events**

**Basic Flow**

|  |  |
| --- | --- |
| **User Action** | **System Response** |
| 1. System Admin click on the “New User” button. | 1. Display the create new user form which include user’s role as a dropdown list |
| 2. System Admin input new user data and assign role to new user and click “Save” button. | 2. System will validate the input data, if all are correct a new user will be added to the database, and display a list of users in the system. |

* 1. **Post-Conditions**

A new user is added to our system database.

* 1. **Business Rules**

Username must be unique, so we use user’s email as username for login process.

* 1. **Nonfunctional Requirements -** N/A

1. **Use Case Specification:** *Read User*
   1. **Brief Description**

This use case allows the System Admin to list all users.

* 1. **Actors**

System Admin

* 1. **Preconditions**

System Admin is logged into the System Admin Dashboard.

* 1. **Flow of Events**

**Basic Flow**

|  |  |
| --- | --- |
| **User Action** | **System Response** |
| 1. System Admin click on the “View Users” button. | 1. Display a list of all users |
| 2. System Admin click on the “Edit” button. | 2. System will display all information of the selected user |

* 1. **Post-Conditions**

A new user is shown in the System Admin dashboard.

* 1. **Business Rules -** N/A
  2. **Nonfunctional Requirements -** N/A

1. **Use Case Specification:** *Update User*
   1. **Brief Description**

This use case allows the System Admin update user information.

* 1. **Actors**

System Admin

* 1. **Preconditions**

System Admin is logged into the System Admin Dashboard.

* 1. **Flow of Events**

**Basic Flow**

|  |  |
| --- | --- |
| **User Action** | **System Response** |
| 1. System Admin click on the “View Users” button. | 1. Display a list of all users |
| 2. System Admin click on the “Edit” button. | 2. System will display all information of the selected user in the “user detail” page |
| 3. System Admin modifies information of the user, and then click “Save” button. | 3. Validate all input, if all input are valid the system will save the new information of that user to the database. If some input are invalid, system will display the warning to System Admin, |

* 1. **Post-Conditions**

New user information is updated and saved to our database.

* 1. **Business Rules**

Username must be unique

* 1. **Nonfunctional Requirements -** N/A

1. **Use Case Specification:** *Delete User*
   1. **Brief Description**

This use case allows the System Admin delete a user.

* 1. **Actors**

System Admin

* 1. **Preconditions**

System Admin is logged into the System Admin Dashboard.

* 1. **Flow of Events**

**Basic Flow**

|  |  |
| --- | --- |
| **User Action** | **System Response** |
| 1. System Admin click on the “View Users” button. | 1. Display a list of all users |
| 2. System Admin click on the “Delete” button. | 2. System will display a confirm message, if System Admin click “Ok” button, the selected user will be deleted from our database. If System Admin click “Cancel” button, system will hide that confirm box. |

* 1. **Post-Conditions**

A user is deleted from our database.

* 1. **Business Rules -** N/A
  2. **Nonfunctional Requirements -** N/A