|  |  |
| --- | --- |
| **Name : Logon** | **ID : S** |
| **Stakeholders and goals :** All users - verify their identity and access the system | |
| **Description :** Users get their identity verified and get corresponding privilege. | |
| **Actors :** All users. | |
| **Trigger :** Open the website of the system. | |
| **Normal flow :**   1. The user inputs user id and password. 2. The system checks user id and password in database. | |
| **Sub-flows : SS** | |
| **Alternative/Exceptional flows :**  S Invalid user id or password : The Logon use case is performed again.  SF User forgets password : The Forget use case is performed.  SR New user : The Register use case is performed. | |

|  |  |
| --- | --- |
| **Name : Forget** | **ID : SF** |
| **Stakeholders and goals :** All users - retrieve password | |
| **Description :** User forgetting its password can inform administrator to email a new password. | |
| **Actors :** All users except administrator | |
| **Trigger :**  S User clicks forget button. | |
| **Normal flow :**   1. User input user id and email address. | |
| **Sub-flows :** None | |
| **Alternative/Exceptional flows :** None | |

|  |  |
| --- | --- |
| **Name : Register** | **ID : SR** |
| **Stakeholders and goals :** New user - get an identity of the system. | |
| **Description :** New users get registered in the system and get the lowest privilege. | |
| **Actors :** New user | |
| **Trigger :** S User clicks on the “register” button. | |
| **Normal flow :**   1. The user inputs user id, password and email address. 2. The system checks whether or not the user id is occupied in the system. 3. The system checks the security of password. | |
| **Sub-flows : SS** | |
| **Alternative/Exceptional flows :**  SR Occupied user id : The SR use case is performed again.  SR Invalid password : The SR use case is performed again. | |

|  |  |
| --- | --- |
| **Name : Search** | **ID : SS** |
| **Stakeholders and goals :** All users - search for bugs or access background. | |
| **Description :** All users can search for bugs and privileged users can access the background of the system. | |
| **Actors :** All users. | |
| **Trigger :**  S User signs in the system.  SR New user registers in the system. | |
| **Normal flow :**   1. Users choose the scope and labels of bugs and input key words. 2. The searching results will be listed under the search bar. | |
| **Sub-flows : SS1, SS2** | |
| **Alternative/Exceptional flows :** None | |

|  |  |
| --- | --- |
| **Name : Bug Detail** | **ID : SS1** |
| **Stakeholders and goals :** All users - browse the details of bug | |
| **Description :** All users can watch bugs’ details and comments and make comments. | |
| **Actors :** All users. | |
| **Trigger :**  SS Users click on a bug in the list. | |
| **Normal flow :**   1. Users can browse the details of the bug and the comments below. 2. Users can make comments in the bottom comment box. 3. Users click on “return” button to go back to search page. | |
| **Sub-flows : SS** | |
| **Alternative/Exceptional flows :** None | |

|  |  |
| --- | --- |
| **Name : Background** | **ID : SS2** |
| **Stakeholders and goals :** Privileged users - transfer station | |
| **Description :** Privileged users can access subsystem according to their privilege. | |
| **Actors :** Privileged users. | |
| **Trigger :**  SS Privileged users click on “Backstage” button. | |
| **Normal flow :**   1. Privileged users click subsystem label. 2. System checks their privilege in the database. 3. If verified, privileged users access subsystem. | |
| **Sub-flows : SS2\_1, SS2\_2, SS2\_3, SS2\_4, SS2\_5** | |
| **Alternative/Exceptional flows :** None | |

|  |  |
| --- | --- |
| **Name : Report Bug** | **ID : SS3** |
| **Stakeholders and goals :** All users - report bugs | |
| **Description :** All users can report bugs. | |
| **Actors :** All users | |
| **Trigger :**  SS User clicks report bug. | |
| **Normal flow :**   1. User fills the bug detail table. 2. User adds description of this bug. 3. User submits this bug. | |
| **Sub-flows :** None | |
| **Alternative/Exceptional flows :** None | |

|  |  |
| --- | --- |
| **Name : User Manage** | **ID : SS2\_1** |
| **Stakeholders and goals :** Administrator - user manage | |
| **Description :** Administrator manages user authority and delete, create and modify user information. | |
| **Actors :** Administrator | |
| **Trigger :**  SS2 Administrator clicks the user manage label. | |
| **Normal flow :**   1. Administrator search for users by user id. 2. Administrator picks up a user and modify its information in the bottom information box. | |
| **Sub-flows :** None | |
| **Alternative/Exceptional flows :** None | |

|  |  |
| --- | --- |
| **Name : Developer** | **ID : SS2\_2** |
| **Stakeholders and goals :** Developer - bug reply manage | |
| **Description :** Developers can manage the bugs assigned to them and provide solution to fix these bugs. | |
| **Actors :** Developer | |
| **Trigger :**  SS2 Developer clicks developer label. | |
| **Normal flow :**   1. Developer choose a bug from the bug list which consists of bugs assigned to this developer. 2. Developer views the bug details from the bug detail window. 3. Developer offers solution. | |
| **Sub-flows :** None | |
| **Alternative/Exceptional flows :** None | |

|  |  |
| --- | --- |
| **Name : Triage** | **ID : SS2\_3** |
| **Stakeholders and goals :** Triager - complement bug detail and assign bug | |
| **Description :** Triager complements bug details for bugs and assigns bugs to apposite developer. | |
| **Actors :** Triager | |
| **Trigger :**  SS2 Triager clicks triager label. | |
| **Normal flow :**   1. Triager chooses a bug from the unsolved bug list. 2. Triager complements and modifies bug details. 3. Triager searches developers specializing in this area. 4. Triager assigns this bug to apposite developer. | |
| **Sub-flows :** None | |
| **Alternative/Exceptional flows :** None | |

|  |  |
| --- | --- |
| **Name : Review** | **ID : SS2\_4** |
| **Stakeholders and goals :** Reviewer - check the solution for bugs | |
| **Description :** Reviewer tests bug solutions offered by developers. | |
| **Actors :** Reviewer | |
| **Trigger :**  SS2 Reviewer clicks review label. | |
| **Normal flow :**   1. Reviewer chooses a bug from the unchecked bug list 2. Reviewer validates the solution for this bug and make a decision. | |
| **Sub-flows :** None | |
| **Alternative/Exceptional flows :** None | |

|  |  |
| --- | --- |
| **Name : Report** | **ID : SS2\_5** |
| **Stakeholders and goals :** Administrator - generate report | |
| **Description :** Administrator can generate various reports about the system. | |
| **Actors :** Administrator | |
| **Trigger :**  SS2 Administrator clicks report label. | |
| **Normal flow :**   1. Administrator selects criterion of report. 2. Administrator previews the report in the following window. 3. Administrator inputs an output path and generates reports. | |
| **Sub-flows :** None | |
| **Alternative/Exceptional flows :** None | |

|  |  |
| --- | --- |
| **Name :** | **ID :** |
| **Stakeholders and goals :** | |
| **Description :** | |
| **Actors :** | |
| **Trigger :** | |
| **Normal flow :** | |
| **Sub-flows :** | |
| **Alternative/Exceptional flows :** | |