## **Use case template**

|  |  |  |  |
| --- | --- | --- | --- |
| ID and name | UC- Login | | |
| Primary actor | User | Secondary actors | Bug Application System |
| Description | The user logs into the bug tracking system to access its features. | | |
| Trigger | The user attempts to log in | | |
| Preconditions | PRE-1: The user has an account  PRE-2: The system works | | |
| Postconditions | POST-1 The user gains access to the system | | |
| Normal flow | 1. The user enters their username and password 2. The system validates them 3. If the username and password are valid, the system grants access to the user 4. The user is redirected to the main screen | | |
| Alternative flows | **1.1 Wrong credentials**  1a: The username/password were not spelled right  Return to step 1  **1.2 Network problem**  2.a A connection error occurred and the system didn’t grant access to the user  Return to step 1 | | |
| Exceptions | 1.0.E1 The System is down  => The system notifies the user of unavailability | | |
|  |  | | |

|  |  |  |  |
| --- | --- | --- | --- |
| ID and name | UC-Regiser a Bug | | |
| Primary actor | The user that verifies | Secondary actors | Bug Application System, Programmers |
| Description | The user registers a new bug into the system for programmers to review | | |
| Trigger | The user detects a bug and wants to record it | | |
| Preconditions | PRE-1: The user that verifies is logged into the system | | |
| Postconditions | POST-1: The bug is stored in the system  POST-2: The updated bug list is visible to programmers | | |
| Normal flow | 1.The user that verifies selects the “Register Bug” option/button  2. The user enters the bug name and description/files  3. The system records the bug and updates the list  4.The system notifies all programmers that a new bug was registered | | |
| Alternative flows | **1.1 The user didn’t fill the bug details**  2a.The user forgot to name the bug  Return to step 1  2b. The user forgot to type a description  Return to step 1  **1.2 Network problem**  3.a A connection error occurred and the bug was not recorded  Return to step 2 | | |
| Exceptions | 1.0.E1 The System is down  => The user is unable to register the bug | | |