## **Use case template**

Report Bug System(RBS)

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| --- | --- | --- | --- |
| ID and name | Login | | |
| Primary actor | Employee | Secondary actors | Report Bug System |
| Description | The Employee logs in as a programmer or as a tester. | | |
| Trigger | Oppen the app | | |
| Preconditions | PRE-1: The Employee has an account into the system and knows the username and password | | |
| Postconditions | POST-1: RBS logs in the employee and opens the app for tester if the employee loged in as a tester or for programmer if loged in as a programmer | | |
| Normal flow | 1. Employee opens the app 2. RBS opens the log in window 3. Employee select to log in as a programmer or as a tester 4. Employee enters the username and password and logs in 5. RBS logs in the user and show the specific window | | |
| Alternative flows |  | | |
| Exceptions | E1.1 There is no acount with the username introduced  E.1.2 RBS inform the employee that there is no account with the username.  E2.1 The employee introduces the wrong password  E2.2 RBS inform the employee that he introduced the wrong password. | | |
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| ID and name | Register Bug | | |
| Primary actor | Tester | Secondary actors | Report Bug System |
| Description | The tester insert the name and a detailed description of the new bug and registers the new bug into the system. The system updates the bugs list, adding the new bug to the list. | | |
| Trigger | The tester press the button to register the new bug. | | |
| Preconditions | PRE-1: The tester is logged in to RBS  PRE-2: Tester introduced the bugs details | | |
| Postconditions | POST-1: The bug is register into the system  POST-2: The system bugs list is updated | | |
| Normal flow | 1. Tester press the register bug button to save the new bug 2. RBS updates the bug lists from the system | | |
| Alternative flows |  | | |
| Exceptions |  | | |

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| --- | --- | --- | --- |
| ID and name | Insert bug details | | |
| Primary actor | Tester | Secondary actors | Report Bug System |
| Description | The tester insert the name and a detailed description. | | |
| Trigger | The tester finds a new bug on the system. | | |
| Preconditions | PRE-1: The tester is logged into RBS  PRE-2: Tester has a new bug to register | | |
| Postconditions | POST-1: The fields are completed in the form | | |
| Normal flow | 1. Tester finds a new bug in the system and wants to report it 2. Tester logs in to the system 3. Tester insert the name and the description of the bug 4. RBS updates the inputs | | |
| Alternative flows |  | | |
| Exceptions |  | | |

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| --- | --- | --- | --- |
| ID and name | Assign bug | | |
| Primary actor | Programmer | Secondary actors | Report Bug System |
| Description | The programmer visualizes the bug lists from the RBS and if the bug is not assigned he can select it and assign to himself. | | |
| Trigger | The programmer selects the bug from the list and presses the assign button. | | |
| Preconditions | PRE-1: The programmer is logged into RBS(ReportBugSystem)  PRE-2: The selected bug is not assigned already. | | |
| Postconditions | POST-1: The bug list is updated, and the bug is assigned to the programmer | | |
| Normal flow | 1. RBS shows all the bugs added by the testers 2. Programmer visualizes the bugs list and selects a bug to sovle and assign it to himself. 3. RBS updates the bugs list and assign bug to the programmer | | |
| Alternative flows |  | | |
| Exceptions |  | | |

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| --- | --- | --- | --- |
| ID and name | Solve bug | | |
| Primary actor | Programmer | Secondary actors | Report Bug System |
| Description | The programmer visualizes the bug lists from the RBS and after solving a bug, selects it from the list and mark it as solved. | | |
| Trigger | The programmer selects the bug from the list and presses the solved button. | | |
| Preconditions | PRE-1: The programmer is logged into RBS(ReportBugSystem)  PRE-2: The bug is assigned to the programmer. | | |
| Postconditions | POST-1: The bug list is updated, removing the solved bug from the list | | |
| Normal flow | 1. Programmer logs in to the system 2. RBS shows all the bugs added by the testers 3. Programmer visualizes the bugs list and selects a bug 4. After solving the bug, programmer marks it as sovled 5. RBS updates the bugs list and removes the solved bug | | |
| Alternative flows |  | | |
| Exceptions | Two programmers solve the same bug in the same time | | |