miercuri, 6 martie 2024

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| **ID and name** | UB-0: Login |  |  |
| **Primary actor** | Employee/SysAdimn | Secondary actors | / |
| **Description** | User attempts to log into the bug reporting system. |  |  |
| **Trigger** | A user indicates he wants to login. |  |  |
| **Preconditions** | PRE-1: Account already exists |  |  |
| **Postconditions** | POST-1. User is logged in the bug reporting system |  |  |
| **Normal flow** | **1.0 Login.**   1. Bug Reporting system shows user 2 fields, password and email, as well as radio box to select Programmer/Tester/SysAdmin 2. User inputs the necessary data and hits a login button. 3. Bug Reporting system opens a new window for the newly logged in user. |  |  |
| **Alternative flows** | **1.1 Login Fail.**   1. After 1.0 Step 2, the bug reporting system fails the login procedure. 2. Returns to step 1 of normal flow. |  |  |
| **Exceptions** | / |  |  |

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| **ID and name** | UB-1 : Submit bug request |  |  |
| **Primary actor** | Tester | Secondary actors | Programmer |
| **Description** | A tester connects to the bug reporting system from his work computer, and submits a bug report by providing a name, and a description of the bug, to the programming team to be resolved. |  |  |
| **Trigger** | A tester indicates he wants to submit a bug. |  |  |
| **Preconditions** | PRE-1. Tester is logged in the bug reporting system |  |  |
| **Postconditions** | POST-1. Bug report is saved in the database of bugs.  POST-2. Submitted bug appears in the list of any connected programmers. |  |  |
| **Normal flow** | **1.0 Submit one bug.**   1. Tester asks to submit a bug report. 2. Bug Reporting system offers input areas to enter the bug name and description. 3. Tester inputs a name and a description of the discovered bug. 4. Tester indicates the bug report is done. 5. Bug Reporting system affirms the bug has been submitted. 6. Bug Reporting system sends the bug to the List of Bugs, and updates any programmers connected of the new bug. |  |  |
| **Alternative flows** | **1.1 Submit multiple bugs.**   1. Tester requests to submit another bug after confirmation. 2. Returns to step 1 of normal flow.   **1.2 Do not submit bug.**   1. After step 2 but before step 4 tester clicks a button to cancel. 2. Use case restarts. |  |  |
| **Exceptions** | **1.0 E1. Bug report name or description contains non ASCII characters**   1. Bug reporting system informs tester that the input is not valid. 2. a Tester cancels the bug reporting process, use case terminates   2. b Tester opts to re-enter the information, restart use case.  **1.1 E2**. **Tester account terminated by SysAdmin**   1. Tester attempt to submit a bug. 2. Bug Reporting system logs off the user. Use case is terminated. |  |  |

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| **ID and name** | UB-2: Resolve bug request |  |  |
| **Primary actor** | Programmer | Secondary actors | / |
| **Description** | A programmer connects to the bug reporting system from his work computer, browses the database of bugs, and choses one he wishes to resolve. |  |  |
| **Trigger** | A programmer indicates he wants to resolve a bug. |  |  |
| **Preconditions** | PRE-1. Programmer is logged in the bug reporting system |  |  |
| **Postconditions** | POST-1. Bug is removed from the database of bugs  POST-2. Resolved bug disappears from the list of any connected programmers. |  |  |
| **Normal flow** | **1.0 Resolve one bug.**   1. Bug Reporting system shows programmer a list of Bugs (Names). 2. Programmer selects a bug from the list. 3. Bug Reporting system displays the description associated with the selected bug. 4. Programmer indicates the bug is resolved. 5. Bug Reporting system affirms the bug has been resolved. 6. Bug Reporting system removes the bug from the List of Bugs, and updates any programmers connected that the bug has been resolved. |  |  |
| **Alternative flows** | **1.1 Solve multiple bugs.**   1. Programmer requests to resolve another bug. 2. Returns to step 1 of normal flow.   **1.2 Cancel selection of a bug.**  1. After step 3 of **Normal flow**, programmer indicates that he won't resolve the bug.  2. Returns to step 1 of Normal flow. |  |  |
| **Exceptions** | **1.0 E1. Programmer account terminated by SysAdmin**   1. Programmer attempts to mark a bug as resolved. 2. Bug Reporting system logs off the user. Use case is terminated. |  |  |

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| **ID and name** | UB-3: Update bug request |  |  |
| **Primary actor** | Programmer | Secondary actors | / |
| **Description** | A programmer connects to the bug reporting system from his work computer, browses the database of bugs, and choses one he wishes to update the description of. |  |  |
| **Trigger** | A programmer indicates he wants to change the description of a bug. |  |  |
| **Preconditions** | PRE-1. Programmer is logged in the bug reporting system |  |  |
| **Postconditions** | POST-1. Bug description is updated in the database of bugs  POST-2. Updated bug changes from the list of any connected programmers. |  |  |
| **Normal flow** | **1.0 Update one bug.**   1. Bug Reporting system shows programmer a list of Bugs (Names). 2. Programmer selects a bug from the list. 3. Bug Reporting system displays the description associated with the selected bug. 4. Programmer changes the text of the description, and selects an update button. 5. Bug Reporting system affirms the bug description has been updated. 6. Bug Reporting system updates any programmers connected that the bug has been updated. |  |  |
| **Alternative flows** | **1.1 Update multiple bugs.**   1. Programmer requests to update the description of another bug. 2. Returns to step 1 of normal flow.   **1.2 Cancel update of a bug.**  1. During step 4 of **Normal flow**, programmer indicates he wants to undo his change, instead of submit.  2. The bug description returns to the original.  3. Use case resumes. |  |  |
| **Exceptions** | **1.0 E1. Programmer account terminated by SysAdmin**   1. Programmer attempts to mark a bug as resolved. 2. Bug Reporting system logs off the user. Use case is terminated. |  |  |

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| **ID and name** | UB-4: Report Abuse |  |  |
| **Primary actor** | Employee | Secondary actors | SysAdmin |
| **Description** | Employee reports another employee for abusing the system(spam, marking non-completed bugs) |  |  |
| **Trigger** | A Employee indicates he wants to report someone. |  |  |
| **Preconditions** | PRE-1. Employee is logged in the bug reporting system. |  |  |
| **Postconditions** | POST-1. Report is saved to the database.  POST-2. Report appears for the SysAdmin. |  |  |
| **Normal flow** | **1.0 Report Employee.**     1. Employee clicks the Report button 2. Bug Reporting system shows user a list of other employee emails, 2 input fields for title and description, and a "URGENT" checkbox. 3. User inputs the necessary data (no URGENT) and hits a report button. 4. Bug Reporting system sends the report to the database, and updates SysAdmin with the new report. |  |  |
| **Alternative flows** | **1.1 Urgent Report Employee.**   1. At 1.0 Step 2, user selects the URGENT checkbox, and hits report button. 2. Bug reporting system sends a notification to convey urgency to a connected SysAdmin. 3. Return to step 3. |  |  |
| **Exceptions** | **1.0 E1. Account terminated by SysAdmin**   1. User attempts to make a report. 2. Bug Reporting system logs off the user. Use case is terminated. |  |  |

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| **ID and name** | UB-5: Manage Employees |  |  |
| **Primary actor** | SysAdmin | Secondary actors | Employee |
| **Description** | //Different cases |  |  |
| **Trigger** | //Different cases |  |  |
| **Preconditions** | PRE-1. Sysadmin is logged in the bug reporting system. |  |  |
| **Postconditions** | //Different cases |  |  |
| **Normal flow** | See:  UB-5.1  UB-5.2  UB-5.3 |  |  |
| **Alternative flows** | //Different cases |  |  |
| **Exceptions** | //Different cases |  |  |

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| **ID and name** | UB-5.1: Add Employee Account |  |  |
| **Description** | SysAdmin wants to add a new Employee account, and submits. |  |  |
| **Trigger** | SysAdmin indicates he wants to add a new account. |  |  |
| **Postconditions** | POST-1: Employee account is saved to database |  |  |
| **Normal flow** | **1.0 Add employee account:**   1. Bug Reporting system shows SysAdmin 3 input fields for email and password/password confirmation, a radio box for account type. 2. SysAdmin inputs the necessary data and hits a create button. 3. Bug Reporting system saves the new account to the database. |  |  |
| **Alternative flows** | / |  |  |
| **Exceptions** | **1.0 E1. Account with that email exists.**   1. Bug reporting system informs SysAdmin that account already exists. 2. Return to step 1.   **1.1 E2. Email contains non ASCII characters**   1. Bug reporting system informs SysAdmin that the input is not valid. 2. Use case restarts |  |  |

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| **ID and name** | UB-5.2: Delete Employee Account |  |  |
| **Description** | SysAdmin wants to delete an Employee account, and submits. |  |  |
| **Trigger** | SysAdmin indicates he wants to delete a new account. |  |  |
| **Postconditions** | POST-1: Employee account is deleted from database |  |  |
| **Normal flow** | **1.0 Delete employee account:**   1. Bug Reporting system shows SysAdmin a list of Employee emails. 2. SysAdmin selects a email he want to remove, and hits a delete button. 3. Bug Reporting system deletes the account from the database. |  |  |
| **Alternative flows** | / |  |  |
| **Exceptions** | **/** |  |  |

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| **ID and name** | UB-5.3: Acknowledge Report |
| **Description** | SysAdmin wants to signal he has read a report. |
| **Trigger** | SysAdmin indicates he wants to acknowledge a report. |
| **Postconditions** | POST-1: Report is removed from the database |
| **Normal flow** | **1.0 Acknowledge Report:**   1. Bug Reporting system shows SysAdmin a list of Report Title. 2. SysAdmin selects a Report Title. 3. Bug Reporting system shows a text area with the description of the selected Report. 4. SysAdmin hits a button called Acknowledge Report 5. Bug Reporting System removes the Report from the list, and deletes it from the database. |
| **Alternative flows** | **1.1 Don't Acknowledge Report:**   1. Step 4 isn't reached, instead SysAdmin selects another report title. 2. Return to step 2, current use case proceeds. |
| **Exceptions** | **/** |

Iteration 1:

-Creation of Data Base containing the objects from the problem Domain

-Implementation of some Repository, Controller and GUI elements for the following Use Cases:  UB-0: Login (Except SysAdmin),  UB-1 : Submit bug request,  UB-2: Resolve bug request,  UB-3: Update bug request

Iteration 2:

-Implementation of more Repository, Controller and GUI elements for the following Use Cases: UB-0\*: Login (for SysAdmin) UB-5.1: Add Employee Account, UB-5.2: Delete Employee Account

Iteration 3:

-Implementation of the final Repository, Controller and GUI elements for the following Use Cases:  UB-4: Report Abuse, UB-5.3: Acknowledge Report