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| **ID and name** | **UC-0: Login into an Account** | | |
| **Primary actor** | Employee | **Secondary actors** | SGBD |
| **Description** | An Employee wants to log in into the application. | | |
| **Trigger** | The Employee wants to use the application. | | |
| **Preconditions** | PRE-0. Employee’s data should be in the SGBD. | | |
| **Postconditions** | POST-0. Employee will see the application based on his permissions. | | |
| **Normal flow** | * 1. **Login into an Account**  1. Employee accesses the app. 2. App displays the login page. 3. Employee enters the credentials and asks to log in. 4. App redirects to the main application. | | |
| **Alternative flows** |  | | |
| **Exceptions** | **0.4.E1 Wrong credentials**   1. App informs the Employee that the data he typed is incorrect. 2. Return to step 3 to normal flow. | | |

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| **ID and name** | **UC-1: Create an Account** | | |
| **Primary actor** | Administrator | **Secondary actors** | Employee, SGBD |
| **Description** | An Employee without an account needs one. He reaches an Administrator to create him one. The Administrator accesses the App, accesses the ‘Manage accounts’ tab, enters an username, a password and the type of the account for the employee, then he gives the account info to him. | | |
| **Trigger** | The Administrator wants to create an account for the Employee. | | |
| **Preconditions** | PRE-1. Administrator is logged into App. (See UC-0) | | |
| **Postconditions** | POST-1. The account is created and saved into the SGBD with the given type. | | |
| **Normal flow** | 1. **Create an Account** 2. Administrator asks to view the Manage Accounts tab. 3. App displays the Manage Accounts tab. 4. Administrator enters the username, the password and selects the type of the account, then asks to Create Account. 5. App displays if he is sure that he wants to create the account with the given information. 6. Administrator selects the confirmation option. 7. App displays that the account was successfully created and reloads the list of accounts. | | |
| **Alternative flows** | **1.5.a. Administrator selects the cancel option.**  6.a. App displays that the action was canceled. | | |
| **Exceptions** | **1.6.E1 There is already an Employee with the same username**   1. App informs the administrator that there is already an user in SGBD who have the same username 2. Return to step 5 to normal flow.   **1.6.E2 Invalid username / password**   1. App informs the administrator that the information he provided is invalid. 2. Return to step 5 to normal flow. | | |

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| **ID and name** | **UC-2: Report bug** | | |
| **Primary actor** | Tester | **Secondary actors** | SGBD |
| **Description** | A Tester found a bug in the application and needs to report it. He accesses the Bug Tracking System, accesses the ‘Register Bug’ window from the ‘Manage Submitted Bugs’ tab, enters the bug’s name and a description, then submits it. | | |
| **Trigger** | The Tester found a bug in the application and wants to report it. | | |
| **Preconditions** | PRE-2. Tester is logged into App. (See UC-0) | | |
| **Postconditions** | POST-2. The bug is updated in the SGBD and in the list of bugs of all the users logged in the application at that moment. | | |
| **Normal flow** | 1. **Report a bug** 2. Tester asks to view the Manage Submitted Bugs tab. 3. App displays the Manage Submitted Bugs tab. 4. Tester enters the name and the description of the bug, then asks to Register Bug. 5. App asks if the Tester is sure that he wants to Report the bug. 6. Tester selects the confirmation option. 7. App displays that the bug was successfully reported and reloads its list of submitted bugs. | | |
| **Alternative flows** | **2.5.a. Tester selects the cancel option.**  6.a. App displays that the action was canceled. | | |
| **Exceptions** | **4.4.E1 Invalid bug data**   1. App informs the tester that the name or the description he introduced is invalid. 2. Return to step 3 to normal flow. | | |

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| **ID and name** | **UC-3: Assign bug** | | |
| **Primary actor** | Programmer | **Secondary actors** | SGBD |
| **Description** | A Programmer sees a bug that he knows how to solve, so he marks it as his task. | | |
| **Trigger** | The Programmer decided that he wants to solve a bug. | | |
| **Preconditions** | PRE-7. Programmer is logged into App. | | |
| **Postconditions** | POST-7. The bug is updated in the list of bugs of all the users logged in the application at that moment. | | |
| **Normal flow** | 1. **Assign bug** 2. Programmer asks to view the View Bugs List tab. 3. App displays the Manage Submitted Bugs tab. 4. Programmer selects the bug, then asks to Add bug to their tasks. 5. App displays if the programmer is sure that he wants to mark the bug as their task. 6. Programmer selects the confirmation option. 7. App displays that the bug was successfully marked as their task and reloads its list of tasks. | | |
| **Alternative flows** | **3.5.a Programmer selects the cancel option.**  6.a app displays that the action is canceled. | | |
| **Exceptions** | **3.4.E1 No bug selected**   1. App informs the programmer that he did not select a bug. 2. Return to step 3 to normal flow. | | |

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| **ID and name** | **UC-4: Mark bug as Fixed** | | |
| **Primary actor** | Programmer | **Secondary actors** | SGBD |
| **Description** | A Programmer finally solved a bug, so he enters the application and mark it as solved. | | |
| **Trigger** | The Programmer decided that he wants to mark the bug as solved. | | |
| **Preconditions** | PRE-8. Programmer is logged into App. (See UC-0) | | |
| **Postconditions** | POST-8. The bug is removed from the list of bugs of all the users logged in the application at that moment. | | |
| **Normal flow** | 1. **Mark bug as Fixed** 2. Programmer asks to view the Manage Tasks tab. 3. App displays the Manage Tasks tab. 4. Programmer selects the bug, then asks to Mark it as Solved. 5. App displays if the programmer is sure that he wants to mark the bug as solved. 6. Programmer selects the confirmation option. 7. App displays that the bug was successfully marked as solved and reloads its list of bugs. | | |
| **Alternative flows** | **4.5.a Programmer selects the cancel option.**  6.a app displays that the action is canceled. | | |
| **Exceptions** | **4.4.E1 No bug selected**   1. App informs the programmer that he did not select a bug. 2. Return to step 3 to normal flow. | | |

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| **ID and name** | **UC-5: Log out** | | |
| **Primary actor** | Employee | **Secondary actors** | SGBD |
| **Description** | An Employee may want to logs out of the application. | | |
| **Trigger** | The Employee wanted to log out from the application. | | |
| **Preconditions** | PRE-11. Employee is logged into App. (See UC-0) | | |
| **Postconditions** | POST-11. Employee is no longer logged into app. | | |
| **Normal flow** | 1. **Logout** 2. Employee asks to log out of the application. 3. App logs out the Employee and shows the login page. | | |
| **Alternative flows** |  | | |
| **Exceptions** |  | | |