**Use Cases:**

**Login**

* **ID and name:** UC-1: Login
* **Primary actor:** Software Company Employee
* **Secondary actors:** System
* **Description:** A software company employee accesses the system in order to log in as a tester or as a programmer.
* **Trigger:** Opening the app
* **Preconditions: -**
* **Postconditions:** the combination between username and password is valid.
* **Normal flow:**

1. The actor introduces username and password.

2. The actor presses the ‘Login’ button.

3. The systems opens an interface for the type of employee logged in.

* **Alternative flows: 3\*.** The systems displays an error message if username and password are incorrect.
* **Exceptions:** Username and password are incorrect.

**View Bugs**

* **ID and name:** UC-2: View Bugs
* **Primary actors:** Programmer, Tester
* **Secondary actor:** System
* **Description:** The employee sees the updated bug list.
* **Trigger:** An employee is connected.
* **Preconditions:** The employee has been logged in successfully.
* **Postconditions:** -
* **Normal flow:**

1. The employee presses the ‘View Bugs’ button.

2. The system displays a list of all bugs.

* **Alternative flows:** -
* **Exceptions:** -

**Update Bug**

* **ID and name:** UC-3: Update Bug
* **Primary actor:** Programmer
* **Secondary actor:** System
* **Description:** The programmer updates a bug which was solved from the list of bugs.
* **Trigger:** A programmer selects a bug from list and then clicks on ‘Update Bug’.
* **Preconditions:** The programmer has been logged in successfully.
* **Postconditions:** The bug list is updated.
* **Normal flow:**

1. The programmer selects the bug which was solved.

2. The programmer presses the ‘Update Bug’ button.

3. The system updates the list of bugs.

* **Alternative flows:** 2\*. If before pressing the ‘Update Bug’ button, another programmer deleted the same bug, the system will display an error message.
* **Exceptions:** The programmer does not select a bug and presses the ‘Update Bug’ button.

**Add Bug**

* **ID and name:** UC-4: Add Bug
* **Primary actor:** Tester
* **Secondary actors:** System
* **Description:** The tester adds a new bug to the list.
* **Trigger:** A tester clicked on ‘Add Bug’.
* **Preconditions:** The tester has been logged in successfully.
* **Postconditions:** The bug list is updated.
* **Normal flow:**

1. The tester completes all the text fields with information about the new bug.

2. The tester presses the ‘Add Bug’ button.

3.The system updates the list of bugs.

* **Alternative flows:** 2\*. If the inputs from text fields are not valid, the system will display an error message.
* **Exceptions:** The inputs from tester are invalid.

**Delete Bug**

* **ID and name:** UC-5: Delete Bug
* **Primary actor:** Programmer
* **Secondary actor:** System
* **Description:** The programmer deletes a bug.
* **Trigger:** A programmer clicked on ‘Delete Bug’.
* **Preconditions:** The programmer has been logged in successfully.
* **Postconditions:** The bug list is updated.
* **Normal flow:**

1. The programmer selects a solved bug.

2. The programmer presses the ‘Delete Bug’ button.

3. The system updates the list of bugs for every employee.

* **Alternative flows:** 2\*. If before pressing the ‘Delete Bug’ button, another programmer deleted the same bug, the system will display an error message.
* **Exceptions:** The programmer does not select a bug and presses the ‘Delete Bug’ button.

**Change Password**

* **ID and name:** UC-6: Change Password
* **Primary actor:** Programmer, Tester
* **Secondary actor:** System
* **Description:** The employee wants to change his password.
* **Trigger:** A programmer clicked on 'Change Password'.
* **Preconditions:** The employee has been logged in successfully.
* **Postconditions:** The employee password is updated.
* **Normal flow:**

1. The employee completes the field with the new password.

2. The employee presses the ‘Change Password’ button.

3. The system updates the password for the employee.

* **Alternative flows:** 2\*. If the inputs from text field is not valid, the system will display an error message.
* **Exceptions:** The input from employee is invalid.