**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 the unsolved 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 clicked on ‘Bug Solved’.
* **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 ‘Bug solved’ button.

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

* **Alternative flows:** 2\*. If before pressing the ‘Bug Solved’ 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 ‘Bug Solved’ 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 for every employee.

* **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.