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| **ID and name** | UC-1: Authenticate | | |
| **Primary actor** | Tester / Programmer | **Secondary actors** | Company’s system |
| **Description** | A tester or a programmer can log in to the system by inserting his account details (username and password) | | |
| **Trigger** | The actor opens up the application | | |
| **Preconditions** | PRE-1: The actor must have an account created | | |
| **Postconditions** | POST-1: The actor has been logged in | | |
| **Normal flow** | 1. **Authenticate**   1.The actor opens up the application  2.The actor inserts his username and password | | |
| **Alternative flows** | None | | |
| **Exceptions** | 1. **E1 Input is invalid ( wrong username or password )**   1. A message box pops out referring the error | | |

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| **ID and name** | UC-2: Register a bug | | |
| **Primary actor** | Tester | **Secondary actors** | Company’s bugs inventory system |
| **Description** | A tester informs all the programmers of a new bug he has just found by introducing a name and a description of it in the bug’s inventory system | | |
| **Trigger** | A tester completes all the details necessarily and upload them | | |
| **Preconditions** | PRE-1: The tester is logged into the system | | |
| **Postconditions** | POST-1: The bug has been submitted | | |
| **Normal flow** | 1. **Submit a bug**   1.Tester completes the name and the details of the bug  2.Tester submits the info to the system  3.Tester receives a confirmation of his submitted bug | | |
| **Alternative flows** | None | | |
| **Exceptions** | 1. **E1 Input is invalid ( not all fields are completed)**   1. A message box pops out referring the error | | |

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| **ID and name** | UC-3: Remove submitted bug | | |
| **Primary actor** | Tester | **Secondary actors** | Company’s bugs inventory system |
| **Description** | A tester removes a bug he submitted in the past by some reasons | | |
| **Trigger** | The tester selects the bug he wants to remove and presses the related button | | |
| **Preconditions** | PRE-1: The tester is logged into the system | | |
| **Postconditions** | POST-1: The bug has been removed | | |
| **Normal flow** | 1. **Remove a submitted bug**   1.The tester is searching for the bug in the bug list he has submitted  2.The tester selects the bug and pressed the Delete button  3.The bug disappears from the list and the system | | |
| **Alternative flows** | None | | |
| **Exceptions** | 1. **A programmer has marked the bug as “In working”** 2. The tester is being told that the bug is already in working and it can not be removed | | |

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| **ID and name** | UC-4: Consulting the bug list | | |
| **Primary actor** | Programmer | **Secondary actors** | Company’s bugs inventory system |
| **Description** | A programmer can see the real time unresolved bug list and can do actions on it | | |
| **Trigger** | The programmer’s log in | | |
| **Preconditions** | PRE-1: The programmer is logged into the system | | |
| **Postconditions** | POST-1: The list is shown | | |
| **Normal flow** | 1. **Consulting the bug list**   1.Programmer can see details of all the bugs unresolved like their name, description or if it is under working  2.Programmer can do actions on the list | | |
| **Alternative flows** | None | | |
| **Exceptions** | None | | |

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| **ID and name** | UC-5: Resolve a bug | | |
| **Primary actor** | Programmer | **Secondary actors** | Company’s bugs inventory system |
| **Description** | A programmer can delete a bug from the all programmers lists by marking it as resolved | | |
| **Trigger** | Programmer indicates that he wants to remove the bug | | |
| **Preconditions** | PRE-1: The programmer is logged into the system  PRE-2: A bug is being selected | | |
| **Postconditions** | POST-1: The bug has been removed | | |
| **Normal flow** | 1. **Resolve a bug**   1.Programmer consults the real time bug list  2.Programmer selects a bug  3.Programmer submits his intention by pushing a related button | | |
| **Alternative flows** | None | | |
| **Exceptions** | None | | |

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| **ID and name** | UC-6: Viewing the programmers list | | |
| **Primary actor** | Programmer | **Secondary actors** | Company’s programmers inventory system |
| **Description** | A programmer can see a list of all the other programmers who works on the company | | |
| **Trigger** | Programmer indicates that he wants to see all the others programmers | | |
| **Preconditions** | PRE-1: The programmer is logged into the system | | |
| **Postconditions** | POST-1: The list of programmers is showed | | |
| **Normal flow** | 1. **View the programmers list**   1.Programmer marks his intention by pushing a button  2.The resulted list is being shown to the programmer | | |
| **Alternative flows** | None | | |
| **Exceptions** | None | | |