## **Use case template – urmărire bug-uri (5)**

An adaptation of the standard Cockburn template will be used.

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| ID and name | UC-1: Record bug | | |
| Primary actor | Programmer | Secondary actors | Bug Tracker System. |
| Description | A programmer accesses the Bug Tracker System from either the corporate intranet or external Internet, completes the form by filling-out the name, description and date. | | |
| Trigger | A programmer indicates that they want to record a bug. | | |
| Preconditions | PRE-1: Programmer is logged into Bug Tracker System. | | |
| Postconditions | POST-1. Record of bug is stored in Bug Inventory System with a status of “Open.”  POST-2. Inventory of open bugs is updated for all programmers. | | |
| Normal flow | 1. **Record a single bug at the time of discovery** 2. Programmer asks to view the form for recording a bug. 3. Bug Tracker System displays the form for recording a bug, with fields for name, description and date. By default, the date is completed with the current date. 4. Programmer fills out the name of the bug. 5. Programmer fills out the description of the bug. 6. Programmer indicates that the recording of the bug is complete. 7. Bug Tracker System confirms recording of the bug.   Bug Tracker System stores the bug and updates the list of open bugs for all users. | | |
| Alternative flows | **1.5.1 Record a single bug after discovery**   1. Programmer fills out the date of the discovery. 2. Return to step 5 of normal flow. | | |
| Exceptions | **1.6.E1 Name contains forbidden characters or is empty**   1. Bug Tracker System informs the Programmer that the name of the bug is invalid. 2. Return to step 3 of normal flow.   **1.6.E2 Description contains forbidden characters or is empty**   1. Bug Tracker System informs the Programmer that the description of the bug is invalid. 2. Return to step 4 of normal flow.   **1.6.E3 Invalid date**   1. Bug Tracker System informs the Programmer that the date of the bug is invalid. 2. Return to step 1.5.1.1. | | |

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| ID and name | UC-2: Authentication | | |
| Primary actor | Programmer | Secondary actors | Bug Tracker System. |
| Description | A programmer accesses the Bug Tracker System from either the corporate intranet or external Internet, completes the form for logging in its account. | | |
| Trigger | A programmer indicates that they want to authenticate. | | |
| Preconditions | PRE-1: Programmer is not yet logged into Bug Tracker System. PRE-2: An account associated with the Programmer exists in the Users Inventory System. | | |
| Postconditions | POST-1: Programmer is logged into Bug Tracker System. | | |
| Normal flow | 1. **Successfully authenticate**    1. Programmer asks to view the form for logging in.    2. Bug Tracker System displays the form for authentication, containing username and password.    3. Programmer fills out the username.    4. Programmer fills out the password.    5. Programmer indicates that the filling out is complete.    6. Bug Tracker System verifies the input and confirms the logging in.   Bug Tracker System displays the list of open bugs. | | |
| Alternative flows | - | | |
| Exceptions | **2.6.E1 Username is empty or does not exist**   1. Bug Tracker System informs the Programmer that the username is invalid. 2. Return to step 3 of normal flow.   **2.6.E1 Password is incorrect**   1. Bug Tracker System informs the Programmer that the password is incorrect for the given username. 2. Return to step 4 of normal flow. | | |

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| ID and name | UC-3: Closing of a single bug | | |
| Primary actor | Programmer | Secondary actors | Bug Tracker System. |
| Description | A programmer accesses the Bug Tracker System from either the corporate intranet or external Internet, views the open bugs, selects one of them and closes it. | | |
| Trigger | A programmer indicates that they want to close a bug. | | |
| Preconditions | PRE-1: Programmer is logged into Bug Tracker System. | | |
| Postconditions | POST-1. Record of bug is updated in Bug Inventory System with a status of “Closed.”  POST-2. Inventory of open bugs is updated for all programmers. | | |
| Normal flow | 1. **Close a single bug** 2. Programmer asks to view the list of open bugs. 3. Bug Tracker System displays the list of open bugs. 4. Programmer selects one bug. 5. Programmer indicates the closing of the bug. 6. Bug Tracker System confirms the closing of the bug.   Bug Tracker System updates the bug and the list of open bugs for all users. | | |
| Alternative flows |  | | |
| Exceptions | **1.5.E1 Selection of bug is empty**   1. Bug Tracker System informs the Programmer that no bug is selected. 2. Return to step 2 of normal flow. | | |