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| Name | Entering a new bug |
| ID | BH\_001 |
| Description | When a user finds a new bug in a particular program, he can report using “Enter a new bug link” . In the entry page , he is supposed to select the particular program where he found the bug and select the related mandatory fields like “report type”, “severity”, “Reproducible?” , “Reported by” and “Date”. He then submits it . |
| Actors | End User( Level 1), Employee (Level 2) , Admin(Level 3 ). |
| Organizational Benefits | Helping the organization with recognizing the bugs in the specific programs of their software. |
| Frequency of Use | 70% of the reporters create new bug reports specific to certain programs. |
| Triggers | When the user clicks on “Enter a new Bug” link |
| Preconditions | The user logged in should be either of user level 1,2 or 3 to access “Bug entry page”. |
| Priority | The bugs are prioritized in 6 levels ( 1-6) where priority field having “fix immediately” is considered to be highest priority bug and “optional” is considered to be lowest priority bug. |
| Postconditions | After submitting the new bug report . The bug report is assigned to a specific employee to resolve the issue. |
| Exceptions | System fails on saving the bug data to database when   1. User does not enter the values in the mandatory fields. 2. When a report is already registered with the same data. |

Bug Hound Iteration 2 ( Usecases)

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Use case 1) Entering a new Bug

Use case 2) Updating an existing bug

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| Name | Updating an existing bug |
| ID | BH\_002 |
| Description | A user wants to update an existing bug , he can either directly access the “Update an existing bug “ page whenever he logins . He is then supposed to search for the existing bug reports according to certain criteria like “program\_name”, “Report type”, “severity “ , “status” etc. Based on the results he can then select a specific bug to update. |
| Actors | Employee (Level 2) , Admin(Level 3 ). |
| Organizational Benefits | Helping the organization with recognizing the bugs in the specific programs of their software. |
| Frequency of Use | 30% of the users create update their existing bug reports specific to certain programs as these bug reports go through multiple phases while resolving the issues. |
| Triggers | When the user clicks on “Update an existing Bug” page and by selecting a specific bug id from the results obtained by “Search an existing bug” page. |
| Priority | All the bug reports with priority as “Fix immediately” are assigned to programmers first and then followed by “Fix as soon as possible”, “Fix before next milestone”, “Fix before release”, “Fix if possible” and “optional”.  These bug reports are usually assigned to programmers by manager. |
| Preconditions | 1)The user logged in should be either of user level 2 or user level 3.  2) There should be existing bugs in the search results. |
| Postconditions | After submitting the new bug report . The bug report is assigned to a specific employee to resolve the issue based on the changes made. |
| Exceptions | System fails on saving the bug data to database when   1. User does not enter the values in the mandatory fields. 2. When a report is already registered with the same data. |

Use case 3) Deleting an existing bug

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| Name | Deleting an existing bug |
| ID | BH\_003 |
| Description | A bug report is deleted as soon as status of the bug report is “closed”. |
| Actors | Admin(Level 3 ) |
| Organizational Benefits | Helping the organization with recognizing the bugs in the specific programs of their software. |
| Frequency of Use | Usually admins are allowed to delete the bug reports from the database and frequency of this usage happens with ratio of incoming requests and one’s being resolved. |
| Triggers | When the user access the “delete a bug” page. |
| Preconditions | The user logged in should be an admin. |
| Priority | The bugs whose status is said to be “closed” is deleted first and then followed by “resolved”. |
| Postconditions | After clicking the submit button , the selected bug report data in the database gets deleted . |
| Exceptions | System fails on saving the bug data to database when   1. When an unauthenticated user tries to access the “delete a bug” page. 2. When a user does not confirm again to delete the bug whenever it is prompted for second time. |