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Prepared by:

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Icon

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Requirement document of Bug Tracking System

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# Team members:

|  |  |
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1. formal description-Bug Tracking System:
   1. Abstract:
   2. Existing system:
   3. Proposed system:
2. Requirements document for Bug Tracking system:
   1. Stakeholders:

* End users: Administrator, Developer, Tester.
* Procurer: Software company owner.
  1. Context diagram:

A picture containing chart

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Figure 1:Context diagram

* 1. Interfaces:

|  |  |  |
| --- | --- | --- |
| Actor | Physical interface | Logical interface |
| Administrator | PC | * **GUI:** * Introduction Page * Login Page * Activities Tab (Shows User Activities and Failed Login Attempts tables) * Users Tab (Shows Users Table and allows adding, updating, and deleting users) * Projects Tab (Shows Projects Table and allows creating, editing, and deleting projcts, as well as assigning users to projects) * Bugs Tab (Shows Bugs Table, allows adding bug type and severity, and assigning bugs to developers) |
| Developer | PC | * **GUI:** * welcome screen * login screen * projects screen (shows the table of projects assignment to you and the developers also assigned to the same projects) * Bugs screen (show table of bugs assigned to you – update bug status). * Dashboard screen (current projects that you are assigned on it – current bugs that are assigned to you). |
| Tester | PC | * **GUI:** * Welcome screen. * Login screen. * Projects screen (Show table of current projects – Search on these projects). * Project details screen (Show the testers and developers on the same project). * Bugs screen (show table of bugs in a specific project – Edit bug information). * Dashboard screen (current projects that you are assigned on it – current bugs that are assigned to you). |

1. List of requirements:

|  |  |
| --- | --- |
| Symbol | Description |
| F1 | Administrator views user activity |
| F2 | Administrator views failed login attempts |
| F3 | Administrator views users in the system |
| F4 | Administrator adds new user |
| F5 | Administrator updates user information |
| F6 | Administrator deletes selected user |
| F7 | Administrator deletes all users in the system |
| F8 | Administrator views projects in the system |
| F9 | Administrator adds a new project |
| F10 | Administrator assigns users to projects |
| F11 | Administrator updates project information |
| F12 | Administrator deletes project |
| F13 | Administrator adds bug type and severity |
| F14 | Administrator assigns bug to developer |
| F15 | Developer Views the list of assigned projects and other developers on the same projects |
| F16 | Developer views the list of assigned bugs |
| F17 | Developer Resets and edits his information like passwords |
| F18 |  |
| F19 |  |
| F20 |  |
| F21 |  |
| F22 |  |
| F23 |  |
| F24 |  |
| F25 |  |
| F26 |  |
| F27 |  |
| F28 |  |
| 29 |  |
| F30 |  |
| F31 |  |
| F32 |  |
| F33 |  |

1. Use case diagram:
2. Scenarios (stories)