Section 3

Functionality Implemented

for

Bug Tracker Application

Version 1.0 approved

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After a number of meetings with the client during the requirements gathering stage of the project we established a clear idea of essential functionality to include. The Use Case document included in ‘Section 1 - Design and Implementation.docx’ outlines all the functionality elicited from the client. From this list, the most important ones were chosen to implement first, this gave us a working application we could present to the client.

The following functional requirements have been realized within Bug Tracker V1.0 :

1. Login – Use Case ID: 1  
   A user wants to login to the system, must be with valid email address and password.
2. Register – Use Case ID: 2  
   A guest wants to register to create an account, must have a valid email address and password.
3. Modify Profile – Use Case ID: 3  
   A user wants to update personal information in their account.
4. Edit Profile – Use Case ID: 4  
   A user can edit personal information in their account
5. Change Password – Use Case ID: 5

A user wants to change their password.

1. Add new User– Use Case ID: 7  
   An Administrator wants to add a user type to the system, eg Developer
2. Search Bug – Use Case ID: 10  
   A user or guest wants to search bugs from the system of type, bug number or keywords and search subsystem will allow filtering of results.
3. Search User Profile – Use Case ID: 11  
   A user wants to search other user’s profile
4. Report Bug – Use Case ID: 12  
   A User wants to report a bug
5. Comment A Bug – Use Case ID:13  
   User wants to comment on a bug
6. Filter Bug – Use Case: 14  
   A user or guest wants to filter a bug.
7. Upload a Patch – Use Case ID: 15  
   Developer wants to upload a patch
8. Verify Patch – Use Case ID: 16  
   Reviewer wants to verify a patch
9. Verify bug – Use Case ID: 17  
   Triager wants to verify a bug
10. Update Bug – Use Case ID: 18  
    Triager wants to update existing bug
11. Assign bug to developer – Use Case ID: 19  
    Triager wants to give assignment to developer
12. Subscribe to a bug – Use Case ID: 20  
    User wants to subscribe to a bug
13. View a bug – Use Case ID: 21  
    User wants to view a bug
14. A Developer can gain reputation points – Use Case ID: 22  
    A developer can clock up reputation points for fixing bugs
15. A Reporter can gain reputation points – Use Case ID: 23  
    A Reporter can clock up reputation points for reporting good bugs