### Project

Bug Tracker

### Basic Requirements

□ **Login / Register** – New users must be able to register and existing users must be able to successfully log in

□ **Authenticated users** must be able to change their name and password

□ **Authenticated users** must be able to recover a lost password

□ **Roles**

□ The database should be seeded with **Admin**, **Project Manager**, **Developer**,and **Submitter** roles

□ **Administrators (only)** must be able to assign and unassign users to and from roles

□ **Projects**

□ **Create** Projects – Administrators and Project Managers must be able to create new projects

□ **Edit** Projects – Administrators and Project Managers must be able to edit existing projects

□ **List** Projects – Administrators, Project Managers, Developers, and Submitters must be able to view a list of projects they are assigned to. Administrators and Project Managers must be able to view a separate list of all projects.

□ **Administrators and Project Managers** must be able to assign and unassign users to and from projects.

### Tickets Requirements

□ Tickets

□ Submitters must be able to create tickets

□ New tickets are owned by the user who enters them

□ New tickets are initially unassigned

□ Authenticated users must be able to view a list of all tickets

□ Tickets

□ Project Managers must be able to view a list of all tickets belonging to the projects to which they are assigned

□ Developers must be able to view a list of all tickets belonging to the projects to which they are assigned

□ Developers must be able to view a list of all tickets to which they are assigned

□ Submitters must be able to view a list of all tickets which they own

□ All ticket lists must be sortable by column heading

□ All ticket lists must be searchable by text fields (full text search)

□ All ticket lists must be paged (we don’t want 150,000 tickets on one page)

□ Project Managers must be able to edit tickets belonging to their Projects and assign them to Developers

□ Developers must be able to edit tickets to which they are assigned

□ Ticket Comments

□ Administrators must be able to add Comments to any ticket

□ Project Managers must be able to add Comments to tickets belonging to Projects to which they are assigned

□ Developers must be able to add Comments to tickets to which they are assigned

□ Submitters must be able to add Comments to tickets they own

□ Ticket Attachments

□ Administrators must be able to add Attachments to any ticket

□ Project Managers must be able to add Attachments to tickets belonging to Projects to which they are assigned

□ Developers must be able to add Attachments to tickets to which they are assigned

□ Submitters must be able to add Attachments to tickets they own

### Additional Tickets Requirements

□ Ticket Histories

□ A new History object must be created for each property change made to a ticket (History objects need not be created for the addition of comments or attachments)

□ Ticket Notifications

□ Developers must be notified each time they are assigned to a ticket

□ Developers must be notified each time a ticket to which they are assigned is modified by another user (including the addition of comments and attachments)

□ Tickets

□ A ticket Details page must provide a summary of all ticket information, including a list of all comments, attachments, histories

□ A dashboard page is optional, but would be very beneficial to the user in summarizing the user’s status in the system

□ Landing page with demo logins for each role

□ The user interface must be professional, user-friendly, and easy to navigate

□ Any and all remaining requirements outlined in the Software Requirements Specification document or otherwise discussed and assigned in class must be implemented at this time