**Bettle Track**

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4. **Scope :**

This document contains the requirements of the Bettle Track project. This document doesn’t contains any environment details, or development details or testing details.

1. **Overview:**

Bettle Track is an issue management tool. It will contains levels of users and related tasks. It will used to track Issues as well tasks too.

1. **Details:**
   1. **Users:**

There are six types of users.

Administrator

Project Manager

Project Manager

Project Leader

Project Leader

Project Leader

Project Leader

Team Member

Team Member

Customer

Customer

1. **Administrator:**

Administrator is to manage the whole system. There multiple administrators. All administrators will have authority of whole system. Administrator can manage Configuration, Users and Projects.

1. **Project Manager:**

Project Manage is to manage the project and related information. There will be only one project manager for one project. Project Manager can manage all users except Project Leader and Administrator. Project Manager have authority to manage the issues with in project.

1. **Project Leader:**

Project Leader is to manage the project and related information. There will be multiple Project Leaders for one project. Project Leader doesn’t have authority on Users. Project Leader have authority to manage the issues with in project.

1. **Team Member:**

Team Member is to manage only issues. A Team Member have authority to manage issues. A Team Member can update his own information and his private dashboard.

1. **Customer:**

Customer is to view the status of the project. A Customer doesn’t have authority to update any information except his own information and his private dashboard in the system. A Customer can send requests to Project Manager and Project Leader on issues.

1. **Viewer:**

Viewer is to view the status of the project. A Viewer doesn’t have authority to update any information in the system.

* 1. **Modules:**

There are five main modules in Bettle Track system.

1. **Authentication:**

Authentication module is for user authentication. This is the start point of the Bettle Track system. User cannot interact with the system without authentication. Authentication module also contains user authorization. User authorization will check type of user and provides only authorized information.

1. **User:**

User module is to manage users. User module will be there for Administrator and Project Manager.

This module contains three operations:

1. Show Users
2. Add New User
3. Update User Information
4. Disable User
5. Delete User
6. **Project**

Project module is to manage Projects as well Modules. Projects module contains List of projects its related information. Modules module is not a mandatory module. A project can contain multiple modules or cannot contain any modules. Modules are sub modules of a Project. Issues can be added to Projects and Modules.

1. **Issues:**

Issues module is to manage issues. An issues can be any task. Issues module is to add new issues, update issue state and maintain an issue between users.

There are mainly five types of issues:

1. Bug: error or mistake.
2. New Feature: Adding a new feature to a system.
3. Improvement: Additional improved for an existing feature.
4. Task: Any type of which need to done
5. Verification: Verification is to verify some result.
6. **Dashboard:**

Dashboard module is to maintain user dashboards. There will default dashboard for all users. User can customize his dashboard. This module is to show dashboard and update dashboard.

* 1. **Additional Requirements:**

1. **Mailing System:**

Mailing system is to send mails on information changes. Bettle Tracking system have a default mailing system with default templates. It can be enable/disable by an Administrator.