**Task Manager- Project Management Tool**

Design and build the application to manage projects tasks online. The TaskManager application should support the following features:

1. Application should allow user to login to the application with email and password.
2. Application should manage the user creation with role assignment.
3. There will be four user roles like site admin, project manager, developer and QA.
4. SiteAdmin can create new user and assigned to one of the roles.
5. Site Admin can create new Project and assign project manager.
6. Project Manager can able to see his own projects.
7. Project manager can assign developers and QAs to the project.
8. Project manager can create a Task. Task can be a Bug or New Feature.
9. Project manager can able to view, edit or delete Tasks of the project that he owns.
10. Project manager can assign a task to a Developer or QA.
11. Task can be in different status like: Open, In-Progress, Resolved or closed.
12. Developer can view his own Tasks (Assigned to him/her).
13. Developer can able to view the selected Task Details.
14. Developer can update the Task Status from Open to In-progress / On-hold / Resolved.
15. Developer can add comments to the Task.
16. Developer can assign the task to QA.
17. QA can test the Bug/Feature and close the task or add his comments and reopen the same.

**UI Screen List:**

1. Login
2. AdminDashboard
3. PMDashboard
4. MemberDashboard
5. AddNewUser
6. EditUser
7. AddNewProject
8. EditProject
9. AddNewTask
10. ShowTaskDetails
11. EditTaskDetails
12. UpdateTaskStatus
13. DeleteTask
14. AddNewComment
15. ViewComments
16. ReassignTask

Additional Info on Task

Set 1:

1. Application should able to create and maintain a group of tasks for the project.
2. The task information should be collected from user (Project Manager Role)
3. Application should able to print task details when required

Set 2:

1. Task will have the start date, end date and hours logged as its attributes along with other attributes
2. Task can be a Bug, Enhancement, New Feature or a project discussion.

Set 3:

1. Application should provide a functionality to enter time sheet for the task and bill the client for the task.
2. We can bill the client for Bug, Enhancement and New Feature for not for project discussion.

Set 4:

1. Task can be Timelogged, can be billed and can defer. Bug cannot be deferred whereas New Feature can.

Set 5:

1. Task billing can happen based on specific currency. But bill processing should happen only in INR.