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**CSE300: Software Engineering**

**Monsoon 2022**

**Group 7**

**TASK MANAGEMENT SYSTEM - WorkSpace**

**BUSINESS FUNCTIONAL REQUIREMENT DOCUMENT**

# **Business Requirements**

**ID: BR1**

**TITLE: Ease of use**

**DESC:** The web portal should be easy to use, with easy navigation, understandable design, could handle the load and fast to perform tasks.

**ID: BR2**

**TITLE: Data Security**

**DESC:** The web portal should ensure organization data is secure.

**ID: BR3**

**TITLE: Customizable**

**DESC:** The system should be easily customizable as per requirement.

**ID: BR4**

**TITLE: Easy system integration**

**DESC:** The system should be easy to integrate with other substitutes or the main system of the organization.

# **Functional Requirements**

**ID: FR1**

**TITLE: View Web Portal**

**DESC:** A user should be able to view the web portal through any browser on a mobile phone, laptop, and desktop.

## **Login Module**

**ID: FR2**

**TITLE: Login**

**DESC:** A user and admin should be able to login into the system by signing in with his/her registered Email id.

**ID: FR3**

**TITLE: Store Password in encrypted mode**

**DESC:** The password is stored in the encrypted mode for each user in the system to ensure the safety and security of the software.

**ID: FR4**

**TITLE: Logout**

**DESC:** A user and admin should be able to log out from the portal.

## **User Interaction Module**

**ID: FR5**

**TITLE: Add New Project**

**DESC:** An admin user can edit, update and add new projects. Details required for new projects are name, the status of the project, start date, end date, project manager, project team members, description, resources, and tasks.

**ID: FR6**

**TITLE: Add contribution details to the Project / Add comment for the team**

**DESC:** An user, as well as an admin, can add their progress/productivity update on the project tasks. This feature can be used to add comments and notes on the same.

**ID: FR7**

**TITLE: Edit contribution details to the Project / Edit comment for the team**

**DESC:** An user, as well as an admin, can edit their already posted progress/productivity update on the project tasks. This feature can be used to add comments and notes on the same.

## **Admin Interaction Module**

**ID: FR8**

**TITLE: Update Project Information**

**DESC:** The project manager or administrator should be allowed to edit the project information like project description, start-end date, resources, tasks, action details, etc.

**ID: FR9**

**TITLE: Delete Project**

**DESC:** An admin should be able to delete the project, Delete the project should remove the project from the user list as well.

**ID: FR10**

**TITLE: Add New Project Task Description**

**DESC:** An admin should be able to add a project task description along with the project task name and status.

**ID: FR11**

**TITLE: Edit Project Task Description**

**DESC:** An admin should be able to edit the project task description along with the project task name and status.

**ID: FR12**

**TITLE: Delete Project Task**

**DESC:** An admin should be able to delete the project tasks.

**ID: FR13**

**TITLE: Change the status of the task**

**DESC:** An admin should be able to change the status of a task by editing the project task details.

**ID: FR14**

**TITLE: Assign Task**

**DESC:** An admin/project manager should be able to assign tasks to different users.

**ID: FR15**

**TITLE: Add New User**

**DESC:** An admin should be able to add a new userby adding details like the first name, last name, email, and user role, creating and confirming the password, and adding an avatar.

**ID: FR16**

**TITLE: View Users List**

**DESC:** The admin can see the list of all the registered users.

**ID: FR17**

**TITLE: Edit Users Details**

**DESC:** This should include editing/updating details like the first name, last name, email, user role, changing password, and avatar.

**ID: FR18**

**TITLE: Add Event**

**DESC:** An admin should be able to add events on a particular date by referring to the calendar.

**ID: FR19**

**TITLE: View Event**

**DESC:** An admin should be able to view the added events on a particular date in the calendar.

**ID: FR20**

**TITLE: Delete Event**

**DESC:** An admin should be able to delete the added events on a particular date from the calendar.

**ID: FR21**

**TITLE: Download Report**

**DESC:** The admin can download the project's progress report from the portal which can be further shared if required.

**ID: FR22**

**TITLE: Search Project or task**

**DESC:** The admin or user should be able to search project and task.

**ID: FR23**

**TITLE: Profile Update**

**DESC:** The admin or user should be able to update his/her profile.

## **View Module**

**ID: FR24**

**TITLE: View User Dashboard**

**DESC:** A user can see the project progress, complete tasks, and complete tasks with relevant details.

**ID: FR25**

**TITLE: View all Project**

**DESC:** A user can view the list of enrolled projects and their details.

**ID: FR26**

**TITLE: View Project Description**

**DESC:** This allows the user to view all the relevant details like project name, description, project manager, status, start-end date, task list, team members, and their contribution updated by the project manager or team members.

**ID: FR27**

**TITLE: View Project Task Description**

**DESC:** This allows the user to view all the relevant details related to the project task like task , task description, status, and specific actions to view, update and delete tasks.

**ID: FR28**

**TITLE: View Project Progress**

**DESC:** A user should be able to view the project progress whether it is pending, on hold, or done from the status option.

**ID: FR29**

**TITLE: View all the Tasks**

**DESC:** A user should be able to view all the tasks of a project along with the project starting name date, due date, project status, and task status from the task option in the navbar.

**ID: FR30**

**TITLE: View Task Description**

**DESC:** A user should be able to view the task description from the action option.

**ID: FR31**

**TITLE: View Events**

**DESC:** A user should be able to view the events.

## **Account Module**

**ID: FR32**

**TITLE: Change Password**

**DESC:** This allows users and admins to change their existing passwords and update their credentials to log in to the web portal.