Project Breakdown Structure

1. **Authentication Module**: This module is responsible for user authentication and authorization. It includes the following sub-modules:

   a. User Authentication Sub-module: This sub-module handles user authentication by verifying user credentials such as email and password.

   b. User Authorization Sub-module: This sub-module manages user permissions and authorizations based on their roles.

   c. Forgot Password Sub-module: This sub-module enables users to reset their passwords if they forget them.

   d. Change Password Sub-module: This sub-module allows users to change their passwords.

2. **Task Management Module**: This module is responsible for managing tasks. It includes the following sub-modules:

   a. Create Task Sub-module: This sub-module enables users to create new tasks.

   b. Edit Task Sub-module: This sub-module allows users to edit task details such as title, description, deadline, and status.

   c. Delete Task Sub-module: This sub-module enables users to delete tasks.

   d. Assign Task to Users Sub-module: This sub-module allows users to assign tasks to other users.

   e. Comment on Task Sub-module: This sub-module enables users to add comments to tasks.

   f. Filter Task Sub-module: This sub-module provides users with filtering options to view tasks based on status, priority, deadline, etc.

   g. Search Task Sub-module: This sub-module allows users to search for tasks using keywords.

3. **User Management Module**: This module is responsible for managing users. It includes the following sub-modules:

a. Create User Sub-module: This sub-module enables administrators to create new user accounts.

b. Edit User Sub-module: This sub-module allows administrators to edit user details such as name, email, and role.

c. Delete User Sub-module: This sub-module enables administrators to delete user accounts.

d. User Profile Sub-module: This sub-module allows users to view and edit their profile information.

e. User Role Management Sub-module: This sub-module enables administrators to manage user roles and permissions.

4. **Project Management Module:** This module is responsible for managing projects. It includes the following sub-modules:

a. Create Project Sub-module: This sub-module enables users to create new projects.

b. Edit Project Sub-module: This sub-module allows users to edit project details such as title, description, and status.

c. Delete Project Sub-module: This sub-module enables users to delete projects.

d. Add User to Project Sub-module: This sub-module allows users to add other users to projects.

e. Project Dashboard Sub-module: This sub-module provides users with an overview of project progress, task status, and other project-related information.

5. **Reporting Module:** This module is responsible for generating reports. It includes the following sub-modules:

a. Generate Task Report Sub-module: This sub-module enables users to generate task-related reports.

b. Generate User Report Sub-module: This sub-module allows users to generate user-related reports.

c. Generate Project Report Sub-module: This sub-module enables users to generate project-related reports.

6. **Notification Module**: This module is responsible for sending notifications. It includes the following sub-modules:

   a. Task Assignment Notification Sub-module: This sub-module sends notifications to users when they are assigned new tasks.

   b. Comment Notification Sub-module: This sub-module sends notifications to users when someone comments on their tasks.

   c. Task Completion Notification Sub-module: This sub-module sends notifications to users when their assigned tasks are completed.

7. **Settings Module**: This module is responsible for managing application and user settings. It includes the following sub-modules:

   a. Application Settings Sub-module: This sub-module allows administrators to manage application