IT 314
Software Engineering

Real Time Collaborative Editor

User Stories

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User Stories

User Story 1

- **Front:** As a user, I want to log in and out of the system securely so that my documents and projects are protected.
- **Back:**
  - The user must log in with valid credentials to access the system.
  - The user can log out securely to end their session.

User Story 2

- **Front:** As a user, I want to reset my password so that I can recover access to my account.
- **Back:**
  - The user can request a password reset.
  - The user receives instructions to reset their password.

User Story 3

- **Front:** As a user, I want to update my profile so that I can make changes.
- **Back:**
  - The user can access a profile page displaying their personal information (e.g., name, email, role).
  - The user can view their activity history and preferences.

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User Story 4

- **Front:** As a user, I want to view my profile so that I can see my personal information and settings.
- **Back:**
  - The user can access a profile page displaying their personal information (e.g., name, email, role).
  - The user can view their activity history and preferences.

User Story 5

- **Front:** As a user, I want to create projects so that I can manage different tasks and resources.
- **Back:**
  - The user must be able to create a new project by specifying a name and description.
  - The user must be able to view and track the progress of the project.
  - The project must be saved and retrievable from the list.

User Story 6

- **Front:** As a user, I want to create folders so that I can organize my documents efficiently.
- **Back:**
  - The user can create new folders with custom names.
  - The user can view folders in a hierarchical structure.

User Story 7

- **Front:** As a user, I want to create documents so that I can store important information.
- **Back:**
    - The user can create new documents by specifying a title and content.
    - The user can organize documents into folders or categories.

User Story 8

- **Front:** As a user, I want to see a list of all available projects so that I can select the one I need to work on.
- **Back:**
    - The user can view all projects for which they have access.

User Story 9

- **Front:** As a user, I want to see a list of all files within a project so that I can select the document I need to work on.
- **Back:**
    - The user can view all documents within a selected project.

User Story 10

- **Front:** As a user, I want to view a document so that I can read its content without making changes.
- **Back:**
  - The user can open and read a document in view-only mode.

User Story 11

- **Front:** As a user, I want to add users or give access to my project so that we can work together on it.
- **Back:**
  - The owner can add users via email/username.
  - Permissions (view or edit) can be set for each user.

User Story 12

- **Front:** As a user, I want to collaborate with others in real-time so that changes are reflected immediately for all users.
- **Back:**
  - All changes are updated in real-time for all collaborators.
  - Conflicts are managed automatically.

User Story 13

- **Front:** As a user, I want to see who else is working on a document in real-time so that I know who is collaborating with me.
- **Back:**
  - The user can view a list of all other users currently editing or viewing the document.

User Story 15

- **Front:** As a user, I want to download a document so that I can have an offline copy for my records.
- **Back:**
  - The user can download a document in the format of their choice.

User Story 16

- **Front:** As a user, I want to rename an existing document so that its title better reflects its content.
- **Back:**
  - The user can change the name of a document.
  - The new name is saved and reflected in all associated views.

User Story 17

- **Front:** As a user, I want to rename a project so that its name accurately reflects the work being done.
- **Back:**
  - The user can rename a project.
  - The updated project name is displayed in all associated views.

User Story 18

- **Front:** As a user, I want to delete a document so that I can remove outdated or unnecessary content.
- **Back:**
  - The user can delete a document.
  - The document is permanently removed from the system, or optionally moved to a trash/recycle bin.

User Story 19

- **Front:** As a user, I want to delete a project so that I can remove an entire set of documents that are no longer needed.
- **Back:**
  - The user can delete a project, along with all documents within it.
  - The project and its contents are removed from the system, or optionally moved to a trash.

User Story 20

- **Front:** As a user, I want to view the history of changes made to a document so that I can track edits and updates over time.
- **Back:**
  - The user can view a log of all changes made to the document, including the time of the change and the user who made it.

User Story 21

- **Front:** As a user, I want to send and receive text messages in real-time so that I can communicate instantly with others.
- **Back:**
  - The user can send and receive text messages within a chat.
  - Messages are delivered and displayed instantly in the chat window.

User Story 22

- **Front:** As a user, I want to run my java,c etc program files on editor.
- **Back:**
  - User should be able to compile and run the program directly from the editor.
  - Display errors or output of the program within the editor.
  - Support for selecting or setting the programming language for accurate execution.