SpotDRAFT
PDF Management & Collaboration System

Summary -

The PDF Management & Collaboration System is a web application designed to simplify the management and collaboration of PDF files. It provides users with the ability to securely upload, share, and collaborate on PDF documents. The system ensures easy access to shared files, facilitates commenting and discussions, and prioritizes data privacy and security. This PRD outlines the features, functionality, and specifications of the application.

Requirements

● Must have Features

1. **User Signup and Authentication**:
   a. Users can create an account by providing essential information such as name, email address, and password.
   b. Authentication mechanisms should be implemented to ensure secure access to the application.
2. **File Upload**:
   a. Authenticated users can upload a PDF file to the system.
   b. The PDF files should be securely stored and accessible only to authorized users.
   c. The application should validate the uploaded files to ensure they are in PDF format.
3. **Dashboard**:
   a. Users should be able to see the list of uploaded files which they have access to.
   b. Clicking on it will take them to a specific pdf file.
4. **File Sharing**:
   a. Users should have the ability to share PDF files with authenticated users.
   b. Sharing can be done generating unique links.
5. **Commenting**:
   a. Authenticated Users should be able to add comments.
   b. Authenticated Users should be able to see the comments.
6. **Security and Data Privacy**:
   a. Only authorized users can access PDF files and comments.
   b. User passwords should be securely hashed and stored.
7. **User Interface and Design**:
   a. The application should have an intuitive and user-friendly interface.

      b. The UI should provide clear navigation, PDF file preview, and easy-to-use commenting features.
8. Basic deployment (Demo Link to play around)
9. Documentation.

Note: The PRD provides an overview of the project requirements and can be used as a starting point for further discussions, planning, and development. It's recommended to consult your mentor to refine and validate the requirements before proceeding with the actual implementation.

Good to have Features

1. **User Signup and Authentication**:
   a. Verification email upon signup.
   b. User authentication should support features like password reset and account recovery.
2. **Dashboard:**
   a. Users should be able to search for PDF files based on file name.
3. **File Sharing**:
   a. File can be shared with Unauthenticated users(external users).
   b. Send an email to the invitee on sharing the PDF
   c. Unauthenticated users(external users) should be able to access a PDF file via the shared URL
4. **Invited User File Access and Commenting**:
   a. Authenticated Users should be able to reply to existing comments.
   b. The system should support basic text formatting options (bold, italic, bullet points) for comments.
   c. Invited Unauthenticated(external) users can add comments/replies related to the PDF file on a sidebar.
5. **Extras**
   a. UnitTests
   b. Docker Setup
6. **User Interface**
   a. Responsive design should be implemented to support various devices and screen sizes.
7. **Future Enhancements**:
   a. Identify potential future enhancements that can be considered beyond the scope of this PRD.

● <u>While submitting the assignment please make sure you are sending us all the below links</u> -

1. A working application that has been deployed and is available publicly
2. Video/s showcasing the features of the application
3. Code uploaded to a GitHub with appropriate documentation