**List of Functionalities:**

* **Sign Up:**
  + - By giving necessary information’s such as email address, username and password users can register.
    - Also, in order to ensure data integrity and security it can authenticate user input.
* **Login:**
  + - For registered users, it offers a safe and secure login procedure.
    - After successful login, check the user credentials and grant access to the user's dashboard.
* **User Dashboard:**
  + - For settings regarding uploading and downloading notes display options.
    - Implement a search function so that users can get specific notes by title, subject, or keywords.
    - Provide an intuitive user interface for easy navigation and interaction.
* **Upload Notes:**
  + - Allows users notes uploading by specifying a title, subject, and the file itself. The format of files may be in the PDF or DOC.
    - Review the uploaded files to ensure they conform to accepted formats and size limits of files.
    - In the database, store uploaded notes securely.
* **Download Notes:**
  + - Allow users searching and downloading for notes uploaded/posted by other users.
    - To help users refine their search results implement filters or categories to search.
    - Provide user with seamless downloading experience.

**Features Prioritization:**

* Based on their business value and development effort prioritize features.
* Features that improve core functionalities like Sign Up, Login, and User Dashboard, should take priority.
* Secondary features such as uploading and downloading notes can be fixed once the primary functionalities are enabled.

**User Stories**:

* As a new user, I would like to create an account so that I can access the features of the platform.
* As a registered user, I want to securely log in to my account to access my dashboard.
* As a user, I would like to see options to upload and download notes in my dashboard.
* As a user, I like to search for specific notes by title, subject, topic or keywords.
* As a user, I want to be able to share and download notes with a title, subject, and the actual file to share with others.
* As a user, I would like to be able to download notes uploaded by other users for reference purposes.