

REST API for Document Viewing (BookPad)

TEAM 23

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Purpose

The purpose of this document is to present a detailed description of the Bookpad Viewing Platform. It will explain the purpose, features and interfaces of the platform.

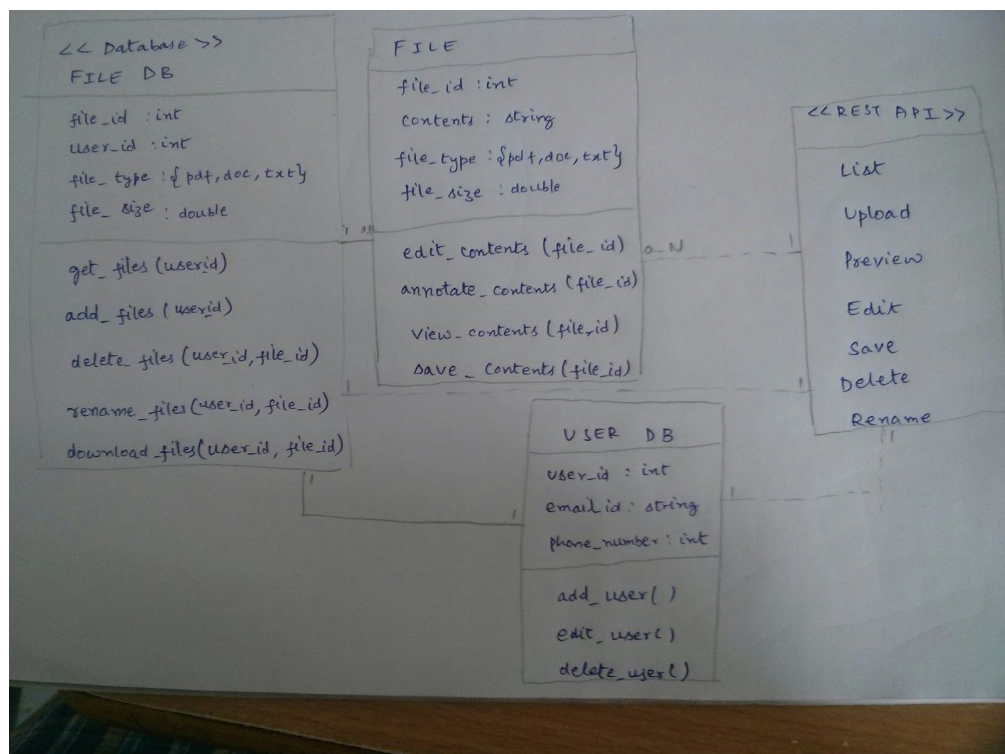
Scope

The purpose of the software is to provide a common platform for users to view documents (of any extension type), and edit/annotate them on-the-fly, without having to download them.

The platform will support concurrent editing/annotating of documents such that multiple users can use the platform simultaneously.

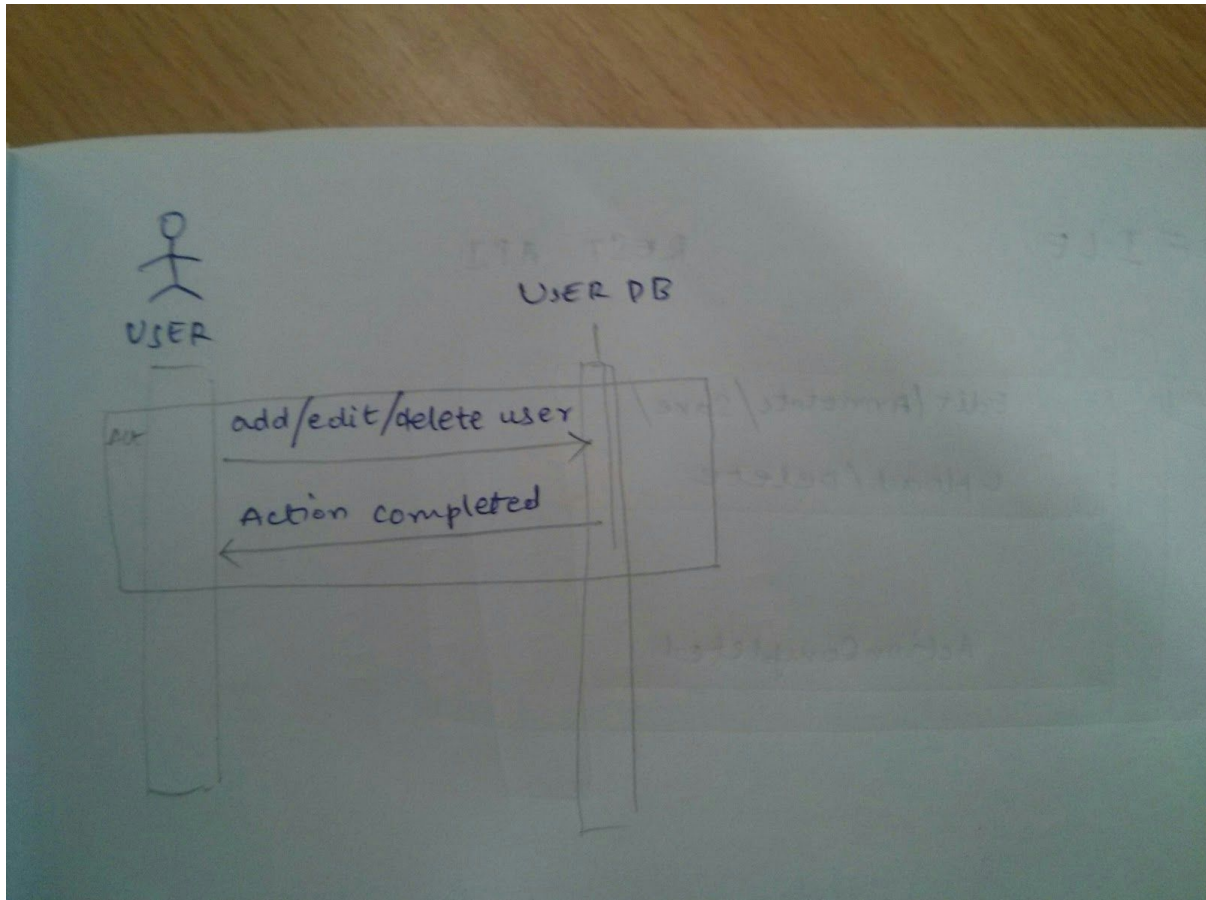
The platform will also provide a REST-API for users to interact with it.

UML class diagrams (Structure of our project)

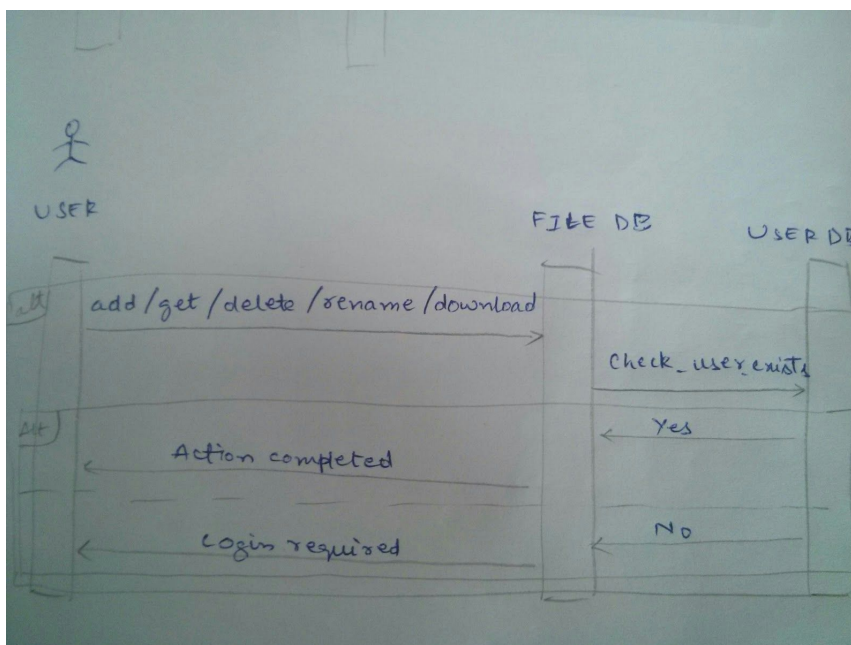


Functional Requirement Specification

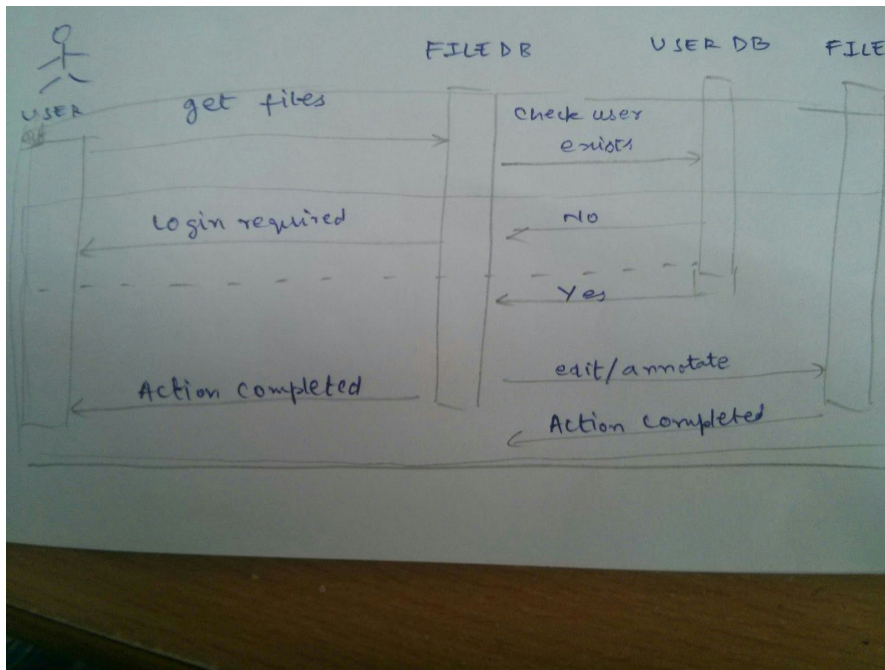
- User Handling



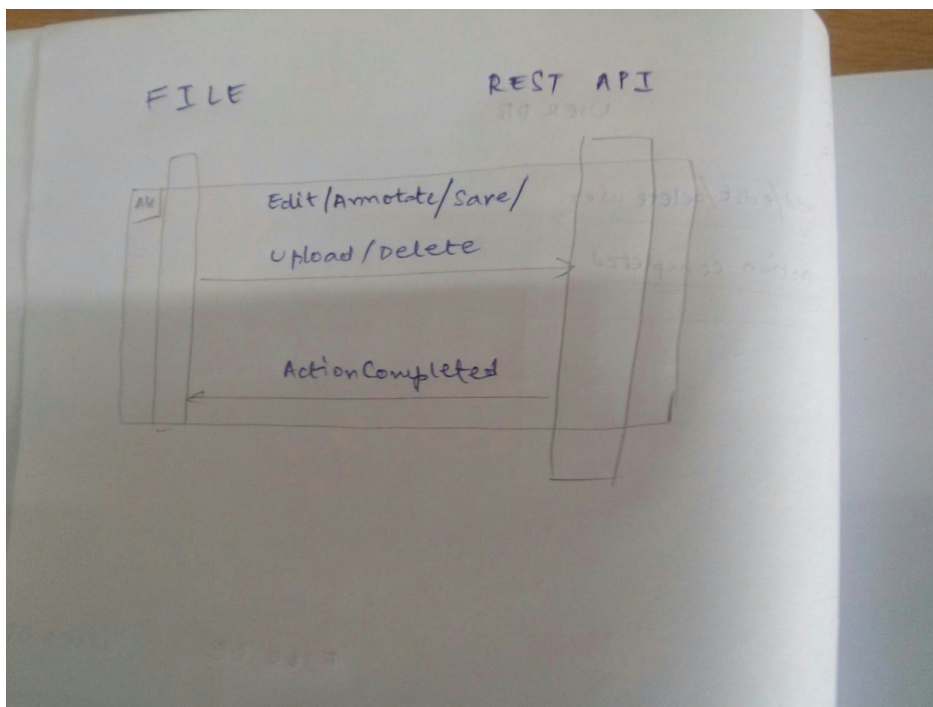
- File uploading/deleting



- File functions



- REST API



Framework used for handling the Rest api calls Flask

Database used to store the files : Sqlite

Project Plan

Create a web based framework for previewing, editing files. User should be able to list all the files present in his user cloud account.

Files are accessed using REST API. Editing / Annotating / Deleting / Previewing of files to be done using Flask.

Expected Outcome

Create a technology with easily integratable API's for document handling such as

- Preview
- Edit
- Annotate
- Add
- Delete
- Download
- Rename