

REST API for Document Viewing (BookPad)

TEAM 23

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Abstract

Bookpad is a product which allows user to to access documents directly off the cloud and edit/annotate it without having to explicitly download it. It supports all popular document formats (pdf, doc, docx, txt etc.).

This technology can be integrated by cloud providers for embedding documents and annotations. Google Drive, Dropbox, Onedrive only allows users to upload/download files. Users can't edit/annotate them online.

Scope

For this project we plan to implement the following -

- REST API for document viewing on cloud.
- Users would be able to concurrently edit, annonate or delete documents using the REST API.
- All this would be done online on the cloud, i.e. users won't have to download the documents, make changes offline and upload modified document. Everything would be possible through the REST API.

Technologies

- Python
- Flask - a lightweight python web-based framework.
- Database for transaction management (concurrent requests for document retrieval, editing, annoating etc).