

## **Tasks Required for Book Viewer Project**

### **Back end:**

1. Add Restful API's to existing Django project (new views, urls, serializers, etc.)
2. After completion of whole project, need to deploy to digital ocean server and point domain name to it
3. Need to upload books that are currently available on turath.io in JSON format to our DB, so models need to be based on it (example book: <https://files.turath.io/books/12836.json>)

### **Website:**

1. Add book viewer to current website in Django (similar to turath.io)

### **Mobile App:**

1. Build react native app designed to access, view, download, and upload books
2. In-app book viewer
3. Requires following features:
  - a. Offline capability (once book is downloaded, user can view it without internet)
  - b. Accessibility for visually impaired readers
  - c. Search capability in main library, by word or part of a word
  - d. Save search history
  - e. Search by category
  - f. Filter by category in main library
  - g. Search by author
  - h. Filter by author in main library and categories page
  - i. Search capability inside the book, by word or part of a word
  - j. Inside a book, a user can move to "x" page or "x" chapter
  - k. Bookmark pages inside book with ability to see all bookmarks somewhere in the app (for example, bookmarks page)
  - l. Ability to highlight text – highlighted text should be saved in favorited section of the app with ability to click on it to take you to that book and page or shows a reference to which book this was from and which page
  - m. Ability to add comments to a book in a selected area (like in Microsoft word)
  - n. Ability to copy text
  - o. Ability to increase / decrease font size
  - p. Night mode (dark background, white text)
  - q. Share button for books
  - r. Favorite button for books

- s. App should update every time a new book is added to back end or there should be a refresh button or something that triggers a new pull request from back end
4. The app is based on the back end, so it should have all features available in the back end such as upload book
5. After completion of whole project, need to deploy app to ios and android stores

Link to project repository in current state:

<https://github.com/balmeshaan/shamela/tree/dependabot/pip/shamela/shamela/django-3.0.3/shamela/shamela>