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Indian bare Acts

Description

This App Works Without Internet With 540 Books on Indian Bare Acts with Many Search Features.

Browse By Law Books

Search By Section No/Name

Search By Chapter No/Name

Intended User

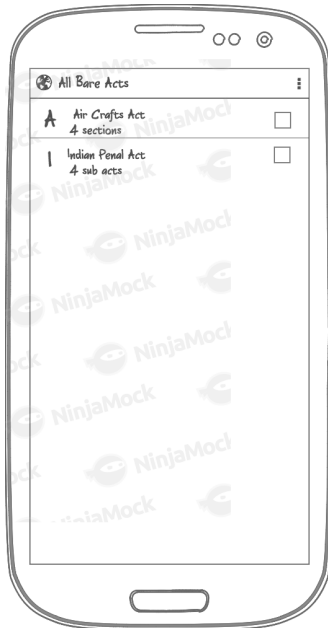
Advocates of India

Features

- Saves all law books Offline
- Follows MVP

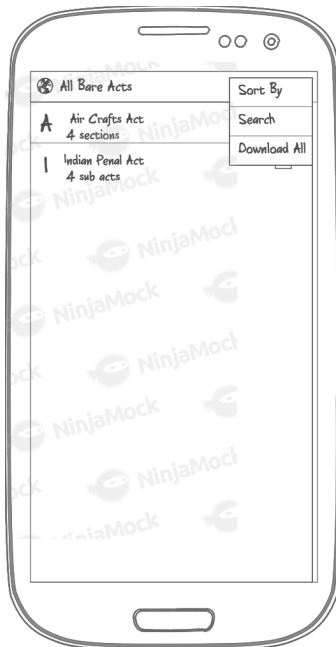
User Interface Mocks

Screen 1



This is the first screen of the project. It has a list of Bare Acts (Laws) for India.

Screen 2

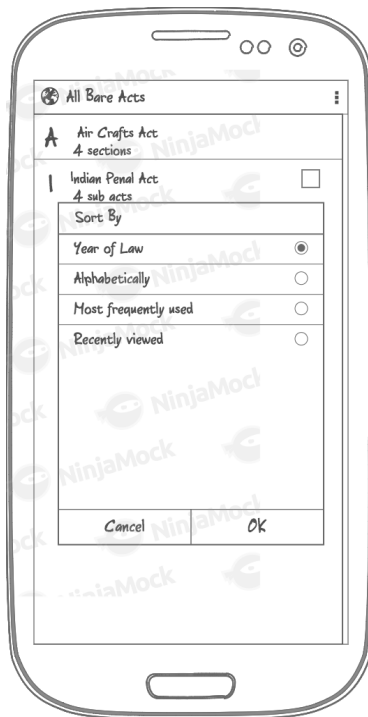


It has the following menu items :

- Sort By
- Search
- Download All

By pressing the download all button, all the books start downloading sequentially.

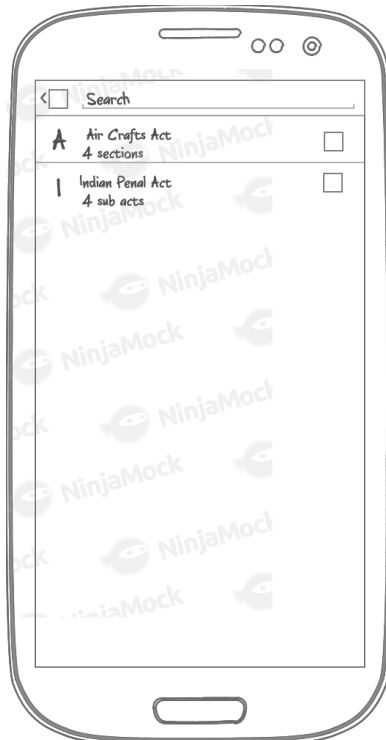
Screen 3



Under the sort by we can sort these laws by the following points :

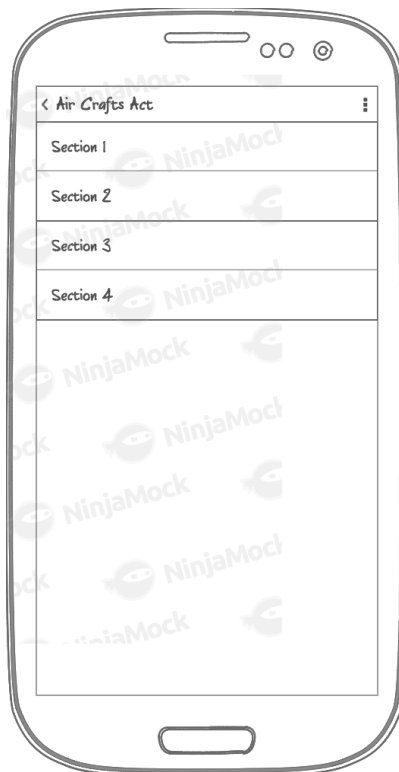
- Year of Law
- Alphabetically
- Most frequently used
- Recently viewed.

Screen 4



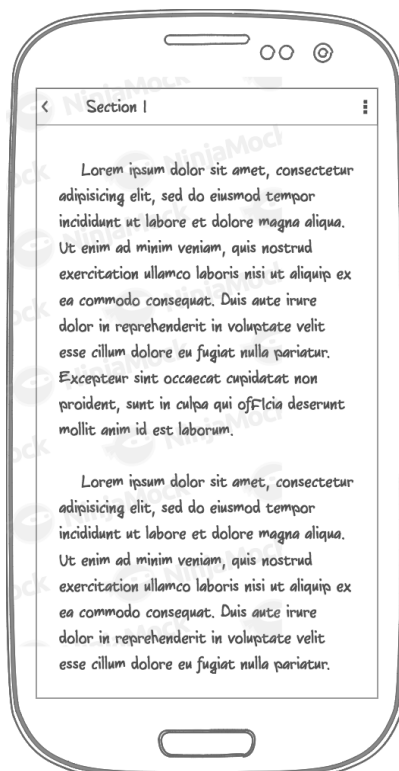
By pressing on search we will be able to search by name of the law book or by inside the law books as well.

Screen 5



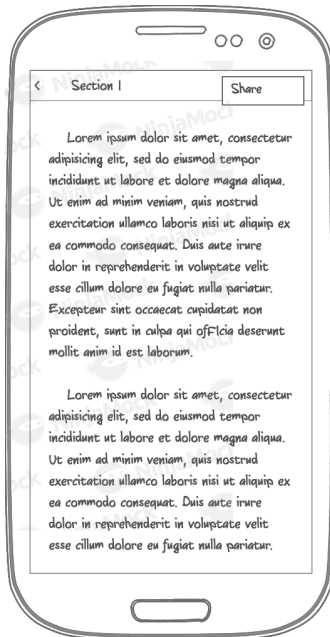
This screen contains the chapters inside any law book.

Screen 6



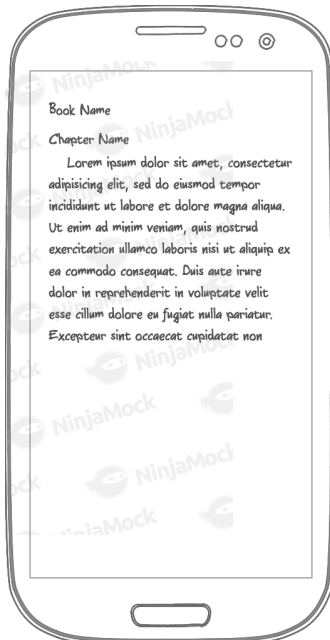
This screen contains the contents of the chapter.

Screen 7



We can also share the content of the chapter from Action bar.

Screen 8 - Widget



This is how the widget will look on the phone.

Key Considerations

How will your app handle data persistence?

Will build a content provider to save all bare acts.

Describe any edge or corner cases in the UX.

- If there is no internet connection, the app populate the data from the offline source. If there is internet connection, the app will download a list of law books and there versions.
- If the app is on an tablet, the app will follow the master detail flow.

Describe any libraries you'll be using and share your reasoning for including them.

OkHttp, Retrofit, dagger2, GSON, RxJava, RxAndroid

Describe how you will implement Google Play Services or other external services.

Admob will be used to display an advertisement and google analytics will be used to track users and events like reading about a law.

Next Steps: Required Tasks

This is the section where you can take the main features of your app (declared above) and break them down into tangible technical tasks that you can complete one at a time until you have a finished app.

Task 1: Project Setup

- Create a fresh blank activity project
- Create packages to architecture our app in a clean way

Task 2: Add the necessary dependency

- Add all libraries like Retrofit, OkHttp, RxJava, RxAndroid, Dagger 2, Stor IO

Task 3: Structure MVP pattern

- Create base presenter and base view
- Create an interface called BareActsContract
- Define the methods that are API provides

Task 4: Structure the Database

- Define the database contract
- Create a database helper class
- Create the content provider for the app
- Create POJO classes for LawBooks and Chapters inside them

Task 5: Connect things up

- Use dagger2 to provide dependency
- Implement AppDataStore in AppLocalDataStore, AppremoteDataStore and AppRepository Class
- Create an app class and add it to the manifest

Task 6: Implement the Presenter (UI)

- Implement Presenter
- Create main layout file and activity (the one with list of books)
- Create second layout file and activity (the one with list of chapters)
- Create third layout file and activity (the one with detail and content of chapters)

Task 7: Implement the Loader

- Implement the Loader

Task 7: Implement the Intent Service

- Implement the IntentService to download a single law book or all law books.

Task 8: Implement ActionBar items for first and third screen

- Create Menu Items
- Modify adapter for sort by filters
- Create Search View
- Write an service which downloads the contents of the books sequentially when clicked on Download all.

- Implement share functionality on third screen

Task 9: Implement Google Analytics and Google Admon

- Implement Analytics
- Implement Admob

Task 10: Implement Simple Transitions for Activities

- Implement Transitions

Task 11: Implement a widget in the app and create a gradle task

- Implement a widget for viewing a particular law on the home screen
- Create a gradle task by the name installRelease.