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Submission Instructions
1. After you've completed all the sections, download this document as a PDF [File → Download as PDF]
2. Create a new GitHub repo for the capstone. Name it "**Capstone Project**"
3. Add this document to your repo. Make sure it's named "**Capstone_Stage1.pdf**"

GitHub Username: HananAwwad

Ketabi

Description

Did you find it difficult buying books, every time you liked a book you have to buy it, and after you buy you want other read it, Let us share books with our friends. Ketabi will read, share , borrow, and lend books with your friends.

Intended User

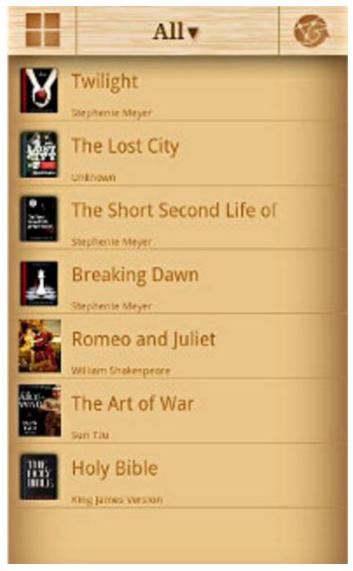This app for tomorrow's leaders (Today's reader is tomorrow's leader)

Features

The main features of ketabi:
- Saves user information.
- Search for books
- Add books using isbn scan QR code.
- Share books with friends.

User Interface Mocks

These can be created by hand (take a photo of your drawings and insert them in this flow), or using a program like Photoshop or Balsamiq.
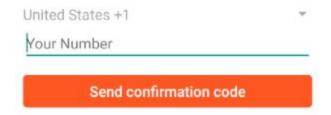
Screen 1

The list of books added.

Screen 2

Enter your phone number

United States +1

Your Number

Send confirmation code

Phone verification

Scan Barcode

Scan Book QR code

Key Considerations

How will your app handle data persistence?

The data will be saving in firebase dashboard for sync the users and their connections, also it will store user data locally using cupboard library

Describe any corner cases in the UX.

How the user will switch back after adding the book using qr scanning.

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

Lombok: Compile time dependency for injecting setter, getter methods
Butterknife:Field and method binding for Android views
Picasso: Image loading library.
Twitter Digits: Phone number verifications
Barcode Scanner: Scan book QR code.
Firebase api, cupboard : Data persistence, user authentication.
Hugo: Annotation-triggered method call logging for your debug builds.

Next Steps: Required Tasks

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

Task 1: Project Setup

- Search and set up libraries in gradle
- Setup fabric and twitter keys and secrets.
- Setup Firebase account and dashboard link.
- Get google api key.

Task 2: Implement UI for Each Activity and Fragment

- Build UI for Login, register and phone verification.
- Build UI for search books, add book using ISBN, scan QR book's code.
- Build UI for friends list to share book.
- Build UI for tablet mode.

Task 3: Get Books using google apis.

- Create layout for fetched books
- Using AsyncTask to fetch the books according to the key and search criteria.

Task 4: Set up twitter account

- Get twitter key and secret
- Use twitter keys for phone verification
- Send verification code to mobile to verify user.

Task 5: Implement Google play services.

- Add Admob to the app to generate revenue
- Add Google analytics to analyze the app and the behavior of new users.

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