BOOK SHARE

TEAM-14

TEAM MEMBERS:

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PROJECT GOAL AND OBJECTIVES

OVERALL GOAL:

This Project allows users to share books among various registered users. This process of sharing books saves time. One need not go to the library and search for the books, rather they can just search for the required book using this app. The book collection centers (Library) are very vast and it is quite difficult to search for the required book in thousands of books available there. Instead of consuming the time, the user could easily get the same book by using this Application. The user could ask for the required book in the group. Then the user gets response regarding the availability of the book and the nearest pickup point.

OBJECTIVES:

Our basic point in selecting this project is to utilize the time effectively and to build up communication between people belonging to the same group. Also the user gets popup messages which reminds to collect the book on a particular date .Information about the return date of the book is also available in the application for which the user will get a popup message regarding the same.

FEATURES:

1. First each user must register in the login page of the application by providing the following fields:
    - User Name
    - Password
    - First Name
    - Last Name
    - Gender
    - School
2. After registering into this application, each user must update all the books he has with him.
3. This directs to another page where he includes the following fields:
    - Book ISBN
    - Title
    - Author
    - Book Category
    - Availability
4. On the other hand, the Borrower who wants to request for a book will have a Request option, where they can search for the books.
5. This search can be done with the following fields:
    - Search by Title
    - Search by Author
    - Search by Category
6. After the Borrower searches for a book, he gets the list of users having the book he requested.
7. Each user who has the book requested, specifies their Availability options which includes:
    - Date
    - Time

- Price

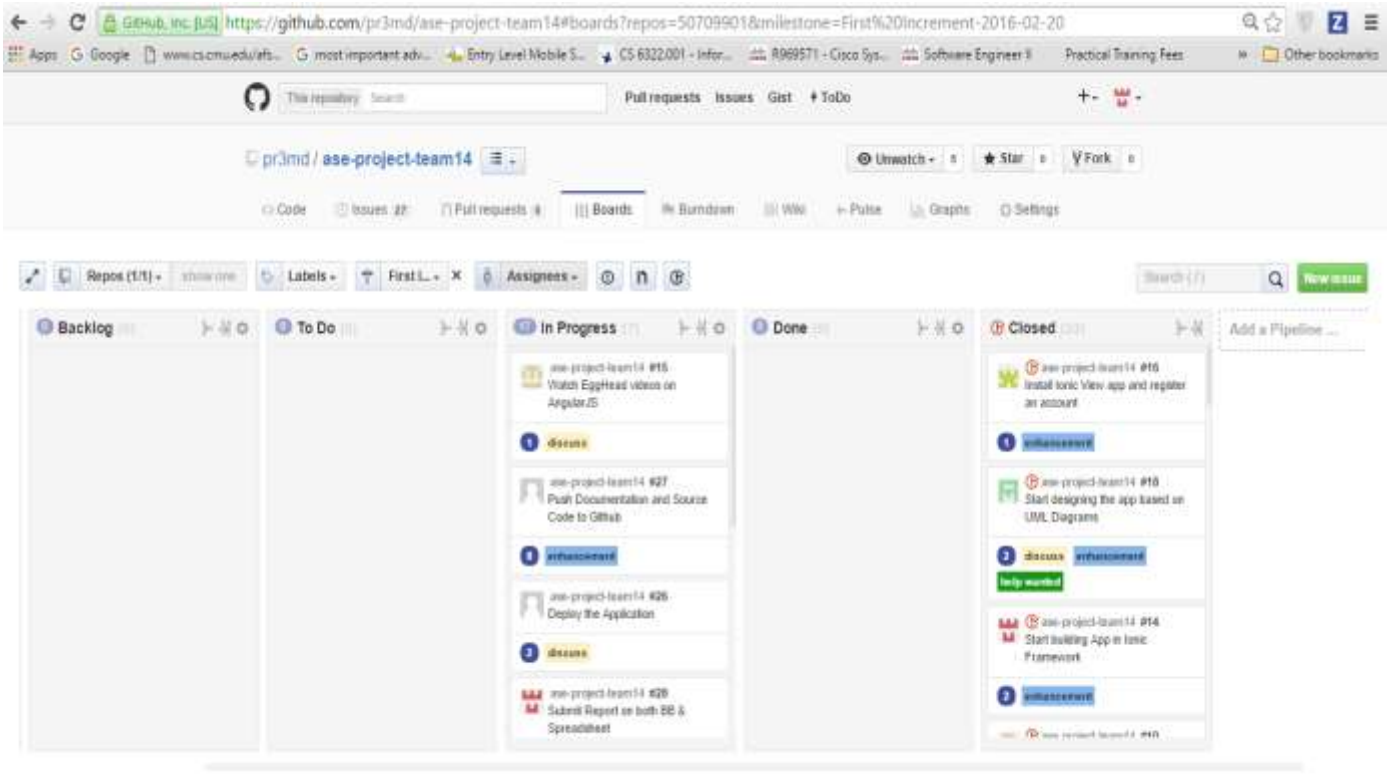
8. Now the borrower selects his preferences and chooses one among the available users.
9. Then a notification is sent to the selected user and he can accept or deny the request.
10. If the request is accepted then the user provides the location to collect the book.

SIGNIFICANCE:

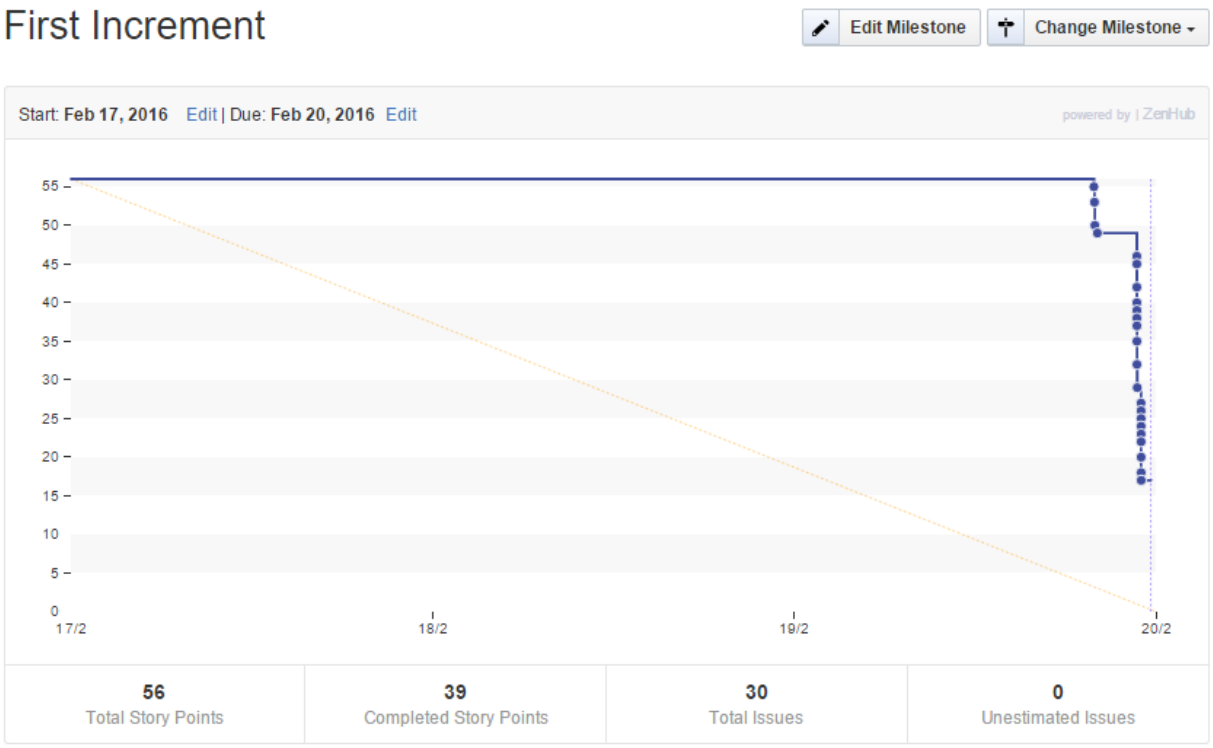
Book Sharing is an effective way for reducing and simplifying the searching time of the users. It provides more convenience for users and reduces their travelling issues. Also this increases convenience for users and provides them with many options.

PROJECT PLAN:

Zenhub Screenshot:



Burn Down Chart:



Stories: In the first increment, the application interface development has started using Ionic Framework. Basic functionality like User Login, Registration, Forgot Password, Dashboard, Book Details, Search Filter and Account Settings are developed.

Service Design: The base design of this application concentrates on User Interface and Application architecture. All the user screens are designed and backend functionality will be built in further increments.

Service Implementation: At this stage, fake data is being used in **services.js** file to fill the user interface, once backend services are established data will be retrieved from the Database.

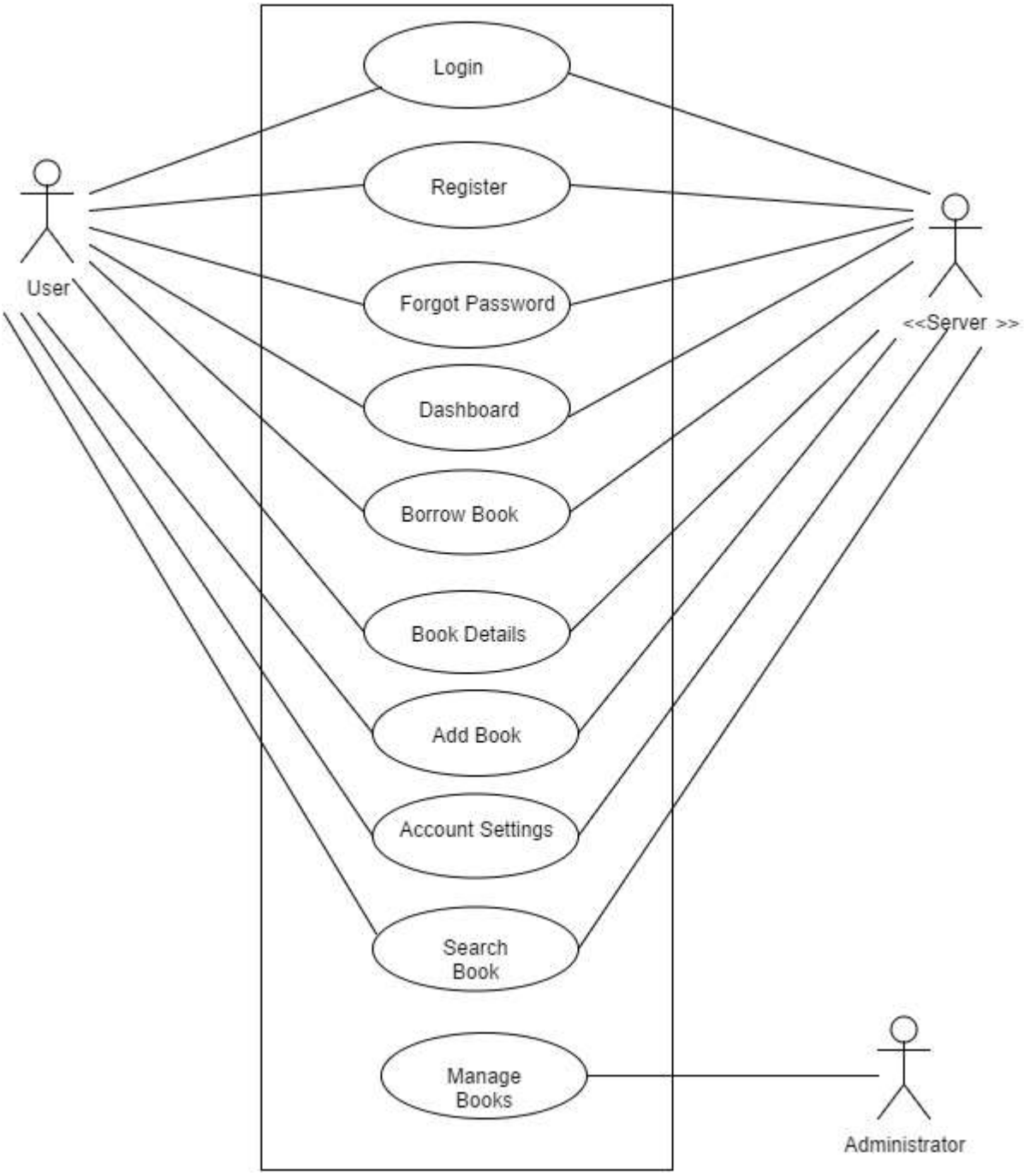
Project Timelines/Members/Task Responsibility:

https://github.com/pr3md/ase-project-team14#boards?repos=50709901&milestone=First%20Increment-2016-02-20

User Stories:

The user as of now will login with hard-coded username and password (admin & admin), upon login the user can search for the list of books available, upon tapping on a book title book details will be shown and the user can borrow the book or add the book to his/her wishlist.

Use Case:

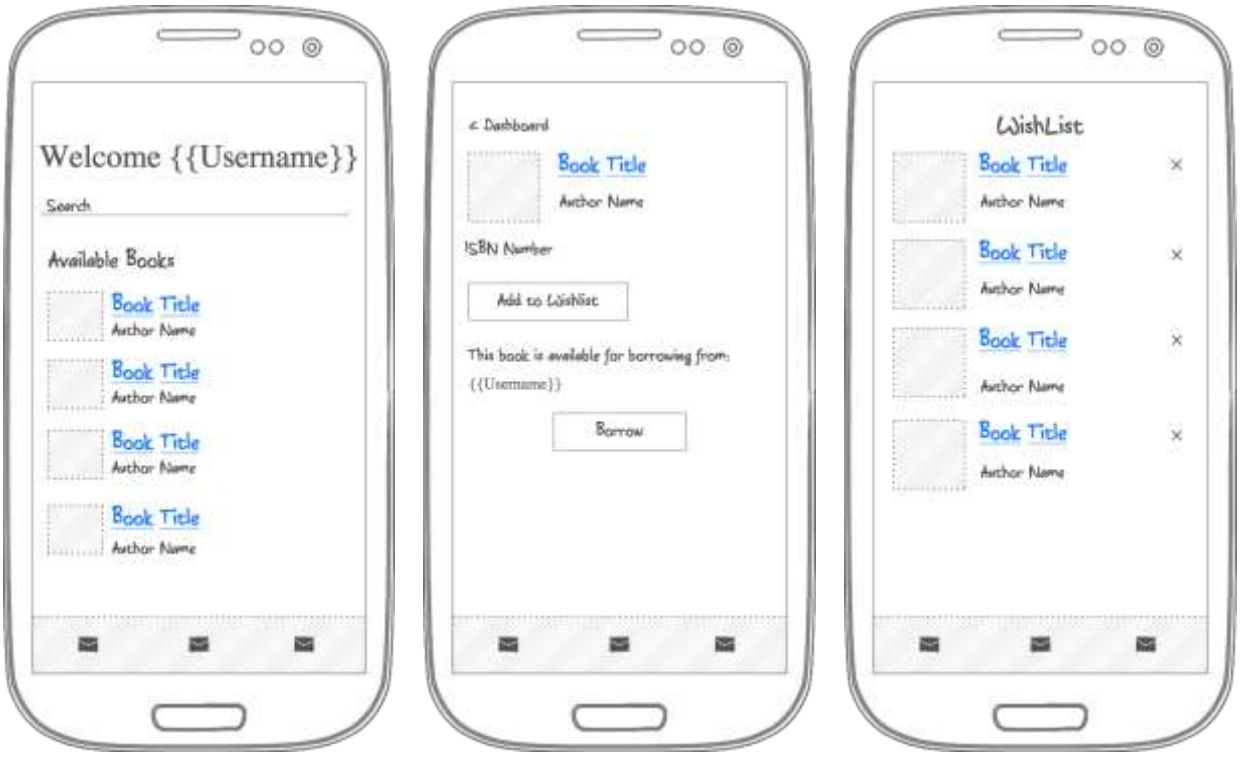


Service Description:

This service helps students of a University to borrow books from fellow students at their convenience. Create alerts when books gets available or add books to wishlist and Text to speech API that reads out the description of the book.

Project First Increment Report

Detail Design:Wireframes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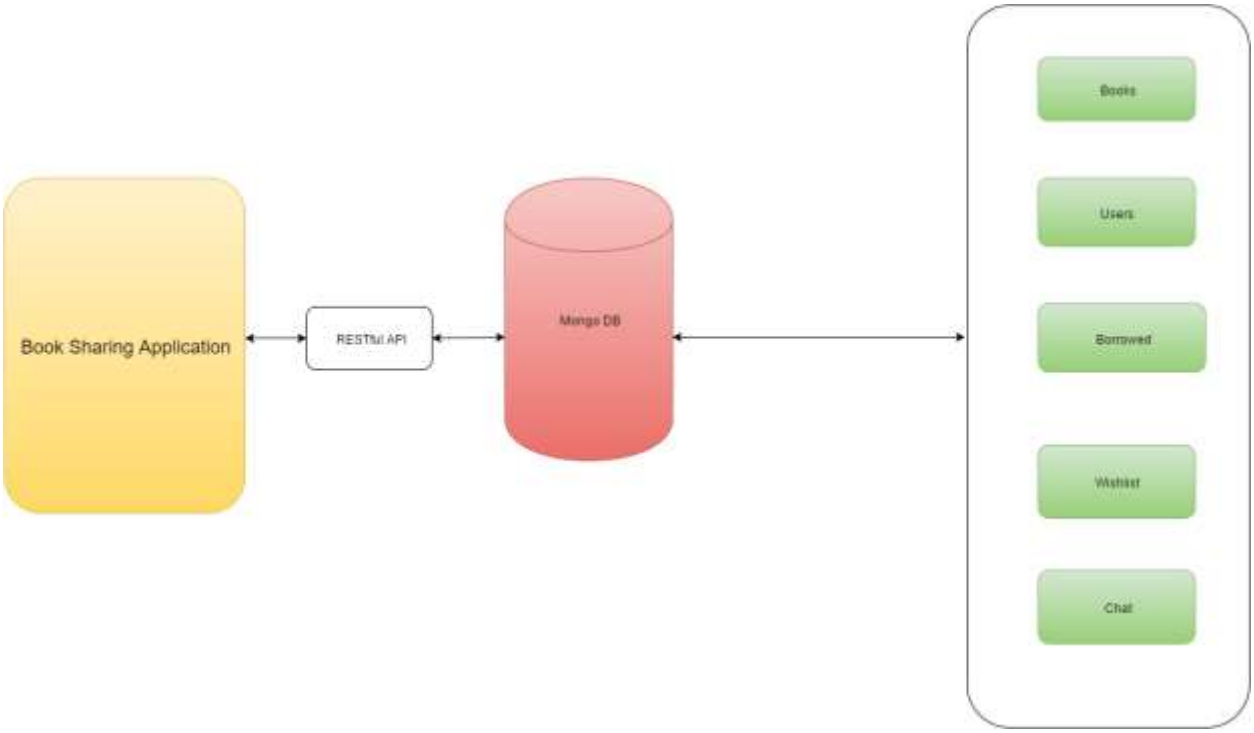
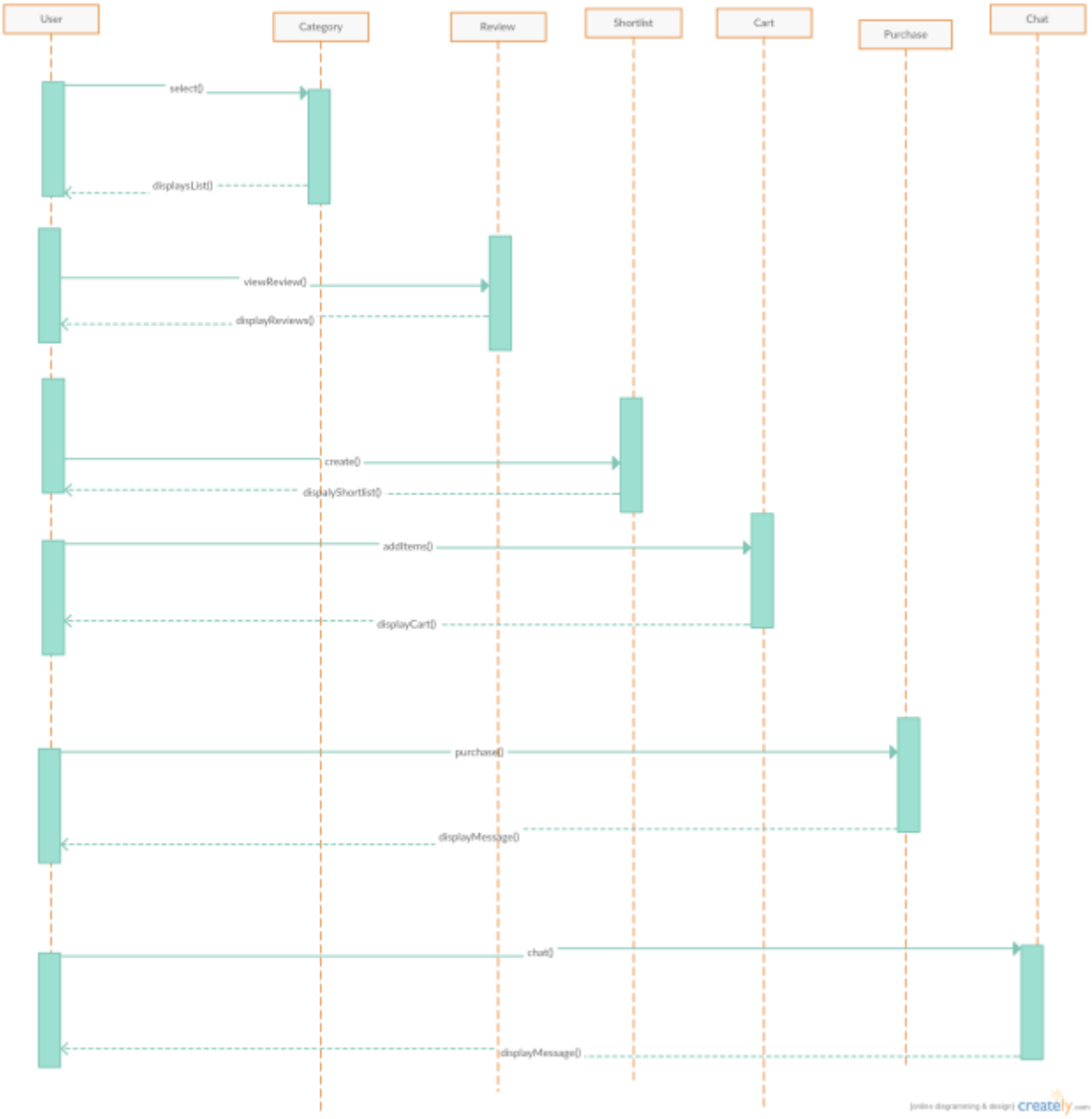
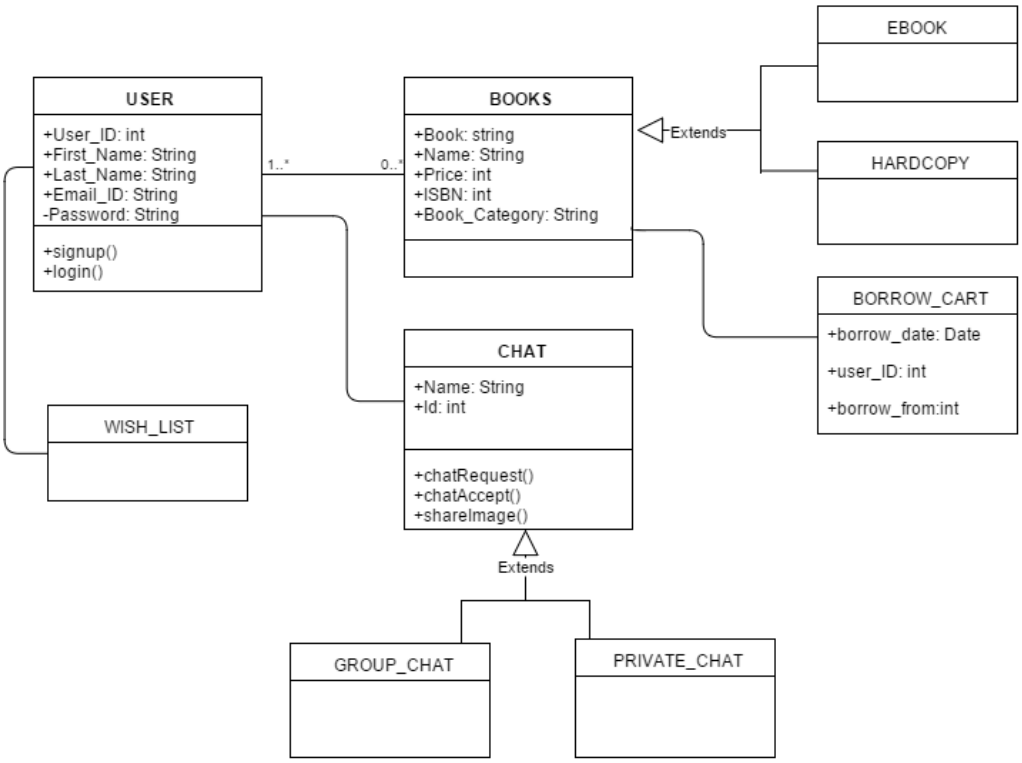
ARCHITECHTURE DIAGRAM



SEQUENCE DIAGRAM



CLASS DIAGRAM

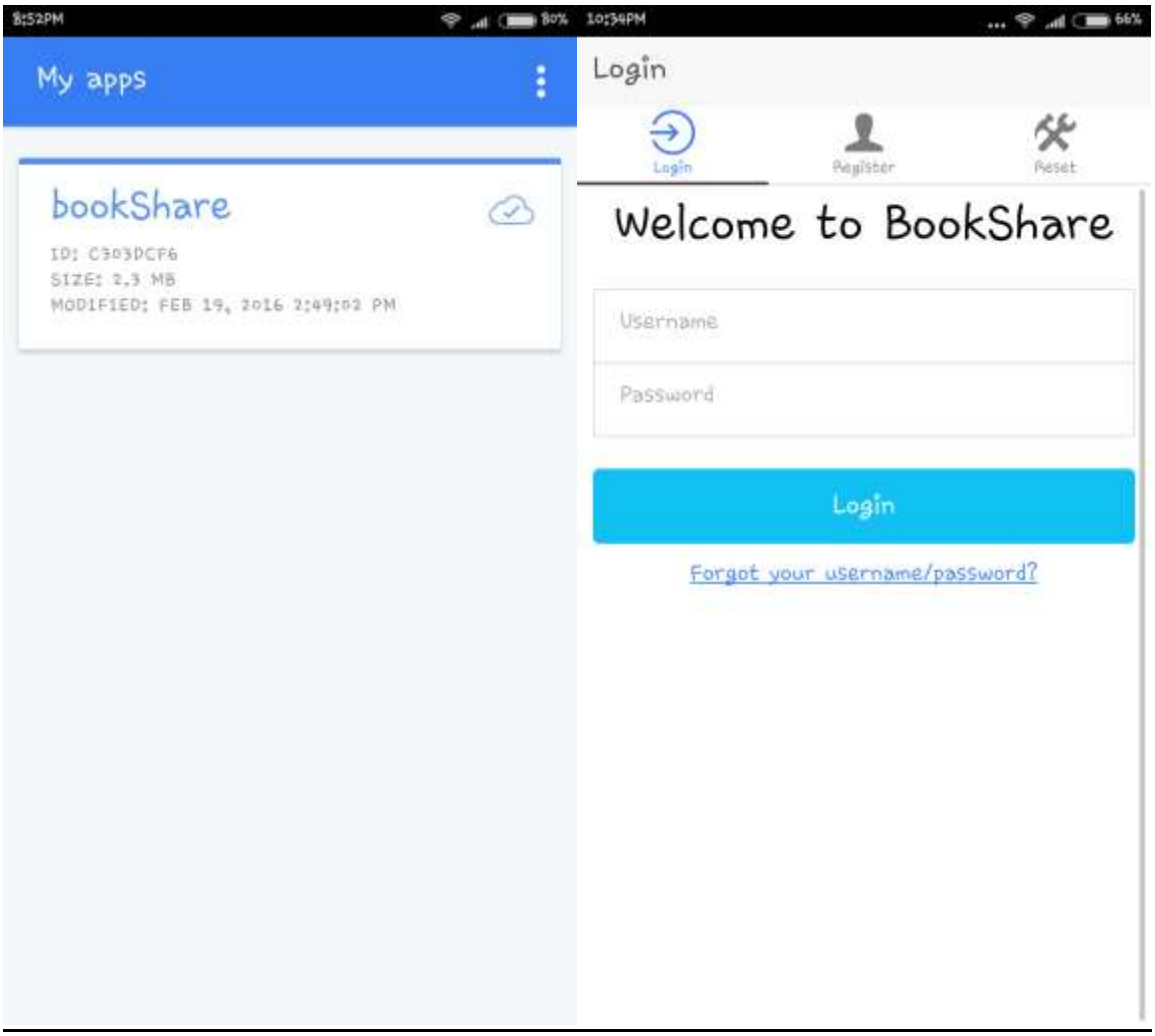


Used existing services / API:

Application was developed using Ionic Framework on Jet Brains WebStorm IDE. No existing API's are being used in the development of the application, REST services are being developed and deployed on our own servers.

Implementation and Deployment:

The first increment of the Application was deployed to Ionic servers which can be viewed on Ionic View application. The application backend is being built with **MEAN** (MongoDB, ExpressJS, AngularJS and Nodejs) stack and it is deployed at 104.236.229.136:3000. The application makes RESTful calls with this server.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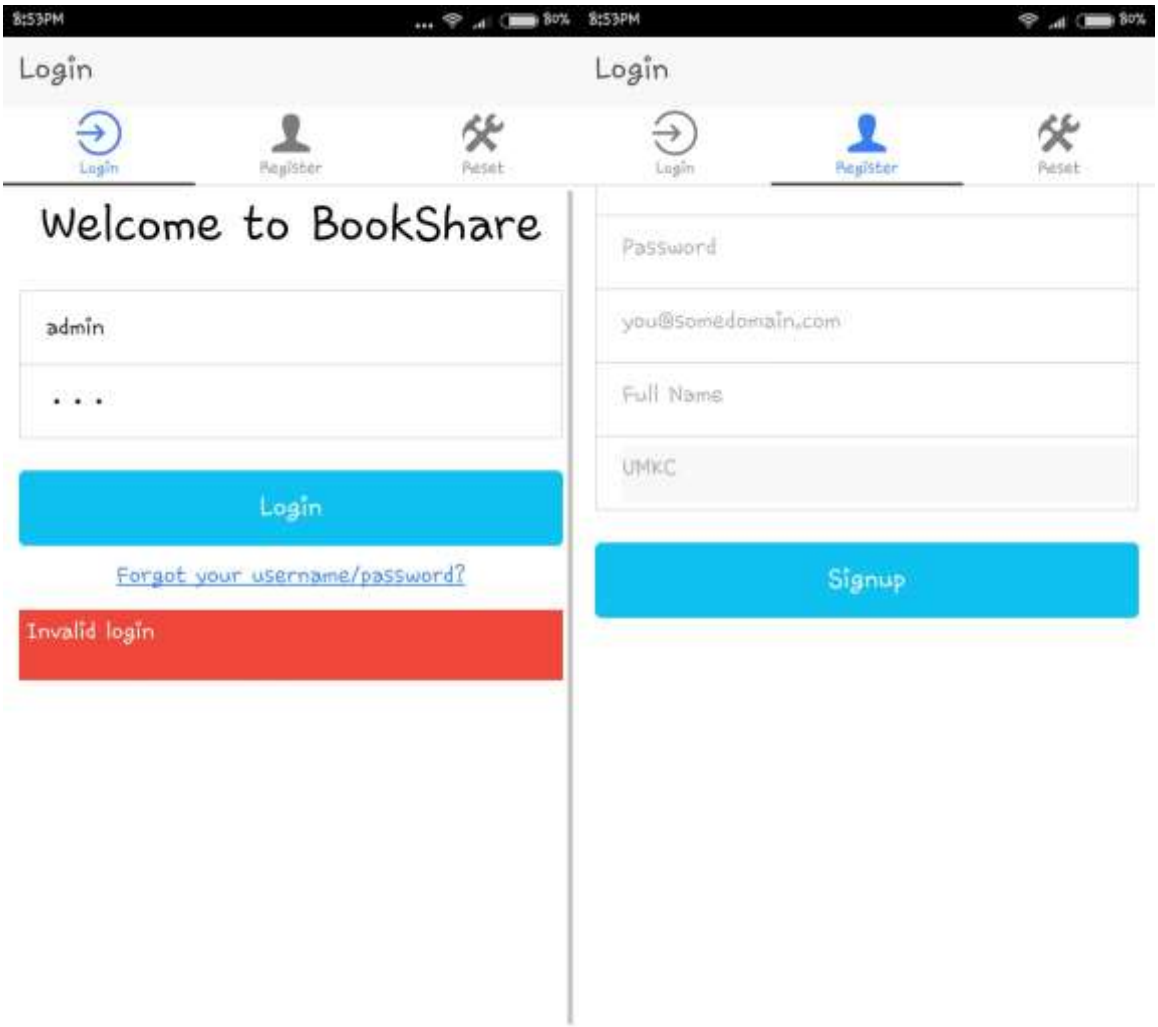
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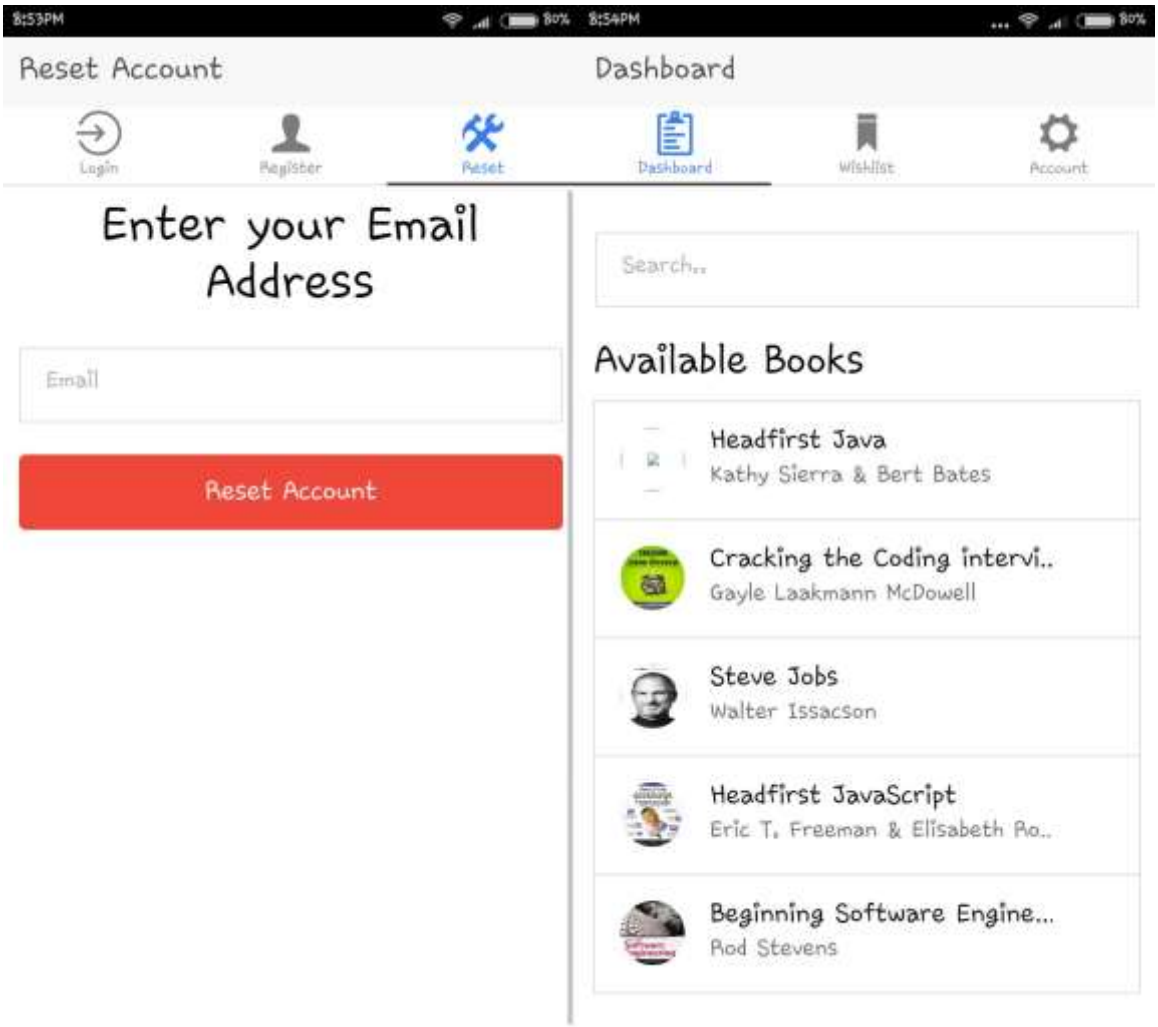
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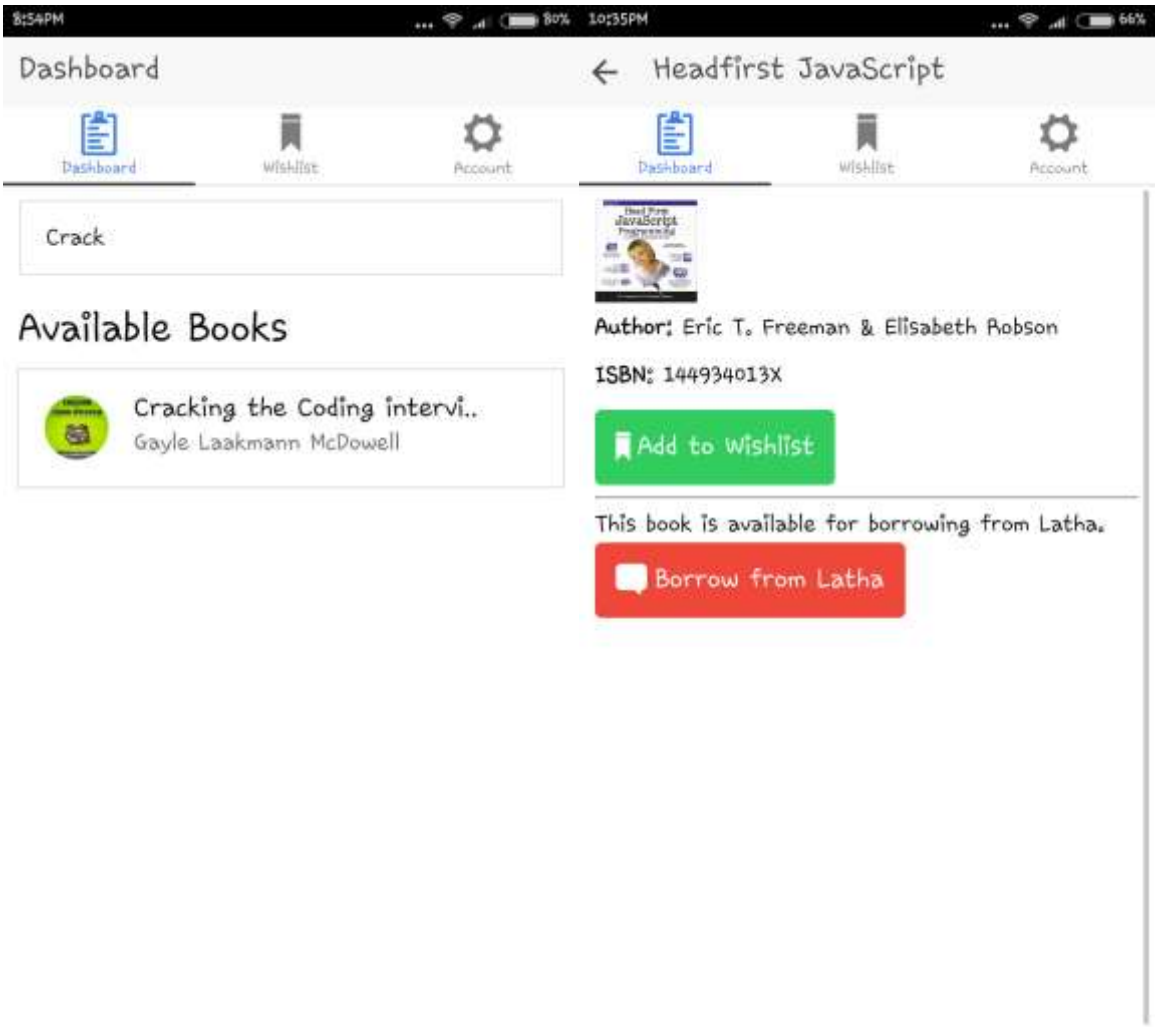
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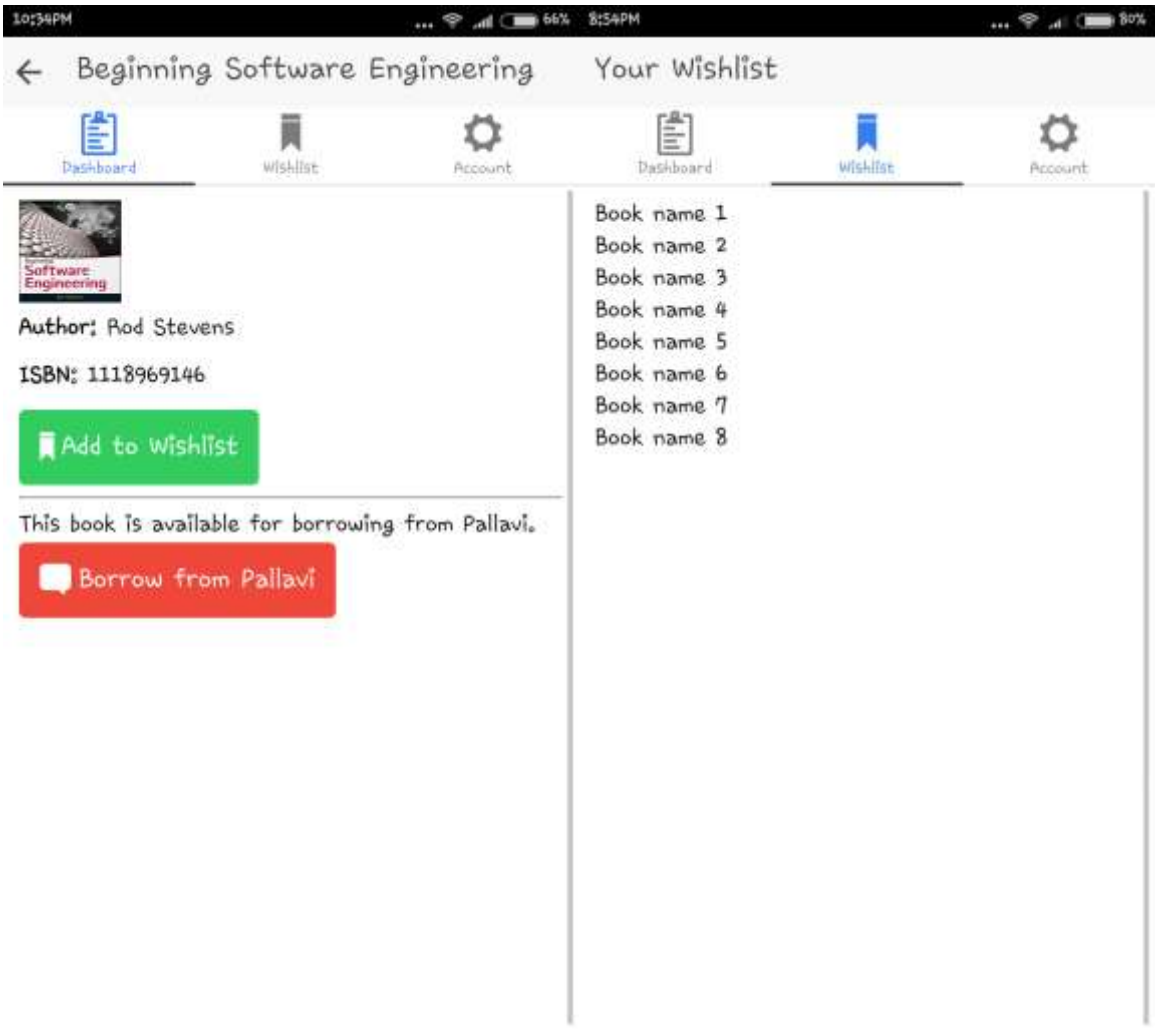
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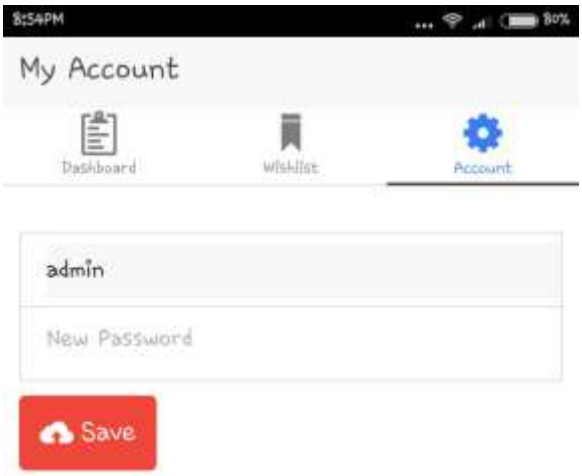

Project Management:
Work Completed: Base user interface of the application has been developed and deployed on Ionic Servers which can be viewed using Ionic View application.

Github URL: https://github.com/pr3md/ase-project-team14

Second Increment: In the next increment, Application backend will be developed.
https://github.com/pr3md/ase-project-team14#boards?repos=50709901&milestone=Second%20Increment-2016-03-11

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