Project Increment 3
Spring 2017

Team 14:

The Invincibles

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1. Introduction

One Stop for all media

People end up using many applications, each for a specific kind of media. This is quite burdensome and frustrating sometimes. So here comes Medianizer, where a plethora of media is brought onto a single platform, so that the customers are likely to fetch desired media in the blink of an eye. Medianizer is a universal application, where you can avail a wide range of access over media. This is a collection of media such as Music, Videos, Photos and Books where users can rent or purchase media.

2. Project Goal and Objectives (revised)

2.1 Main Goal:

The main goal of this application is to provide access to all the media like Music, Videos, Photos and Books over a single platform where people can buy or rent the desired media.

2.2 Objectives

2.2.1. To create a unique platform where the users can get all types of media.

2.2.2. To enable search via voice.

2.2.3. To let the user purchase or rent the desired media.

2.3 Specific features

2.3.1 Browse for E-Books: This feature enables the user to search for books related to a genre or the year of its release.

2.3.2 Browse for Movies: This feature enables the user to search for movies related to a genre or the year of its release.

2.3.3 Browse for Music: This feature enables the user to search for music related to a genre or the year of its release.

2.3.4 Purchase Media: User can rent or buy media.

**2.3.5 Voice Search:** User can voice search for media.

2.4 Significance

This application is a platform that provides access to a wide range of media like Music, Videos, Photos and Books over a single platform.
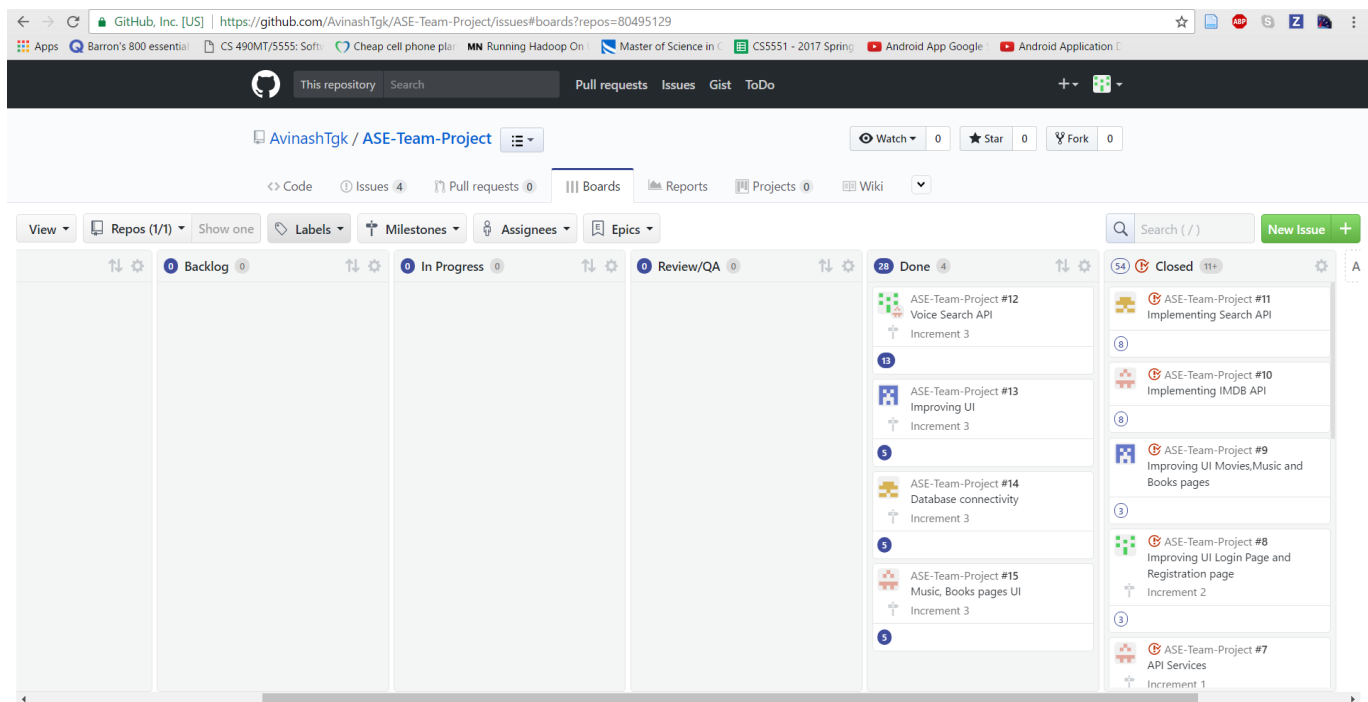
3.Project Plan

1. Zen- Hub Screenshot:

For the first increment we have issues regarding creating a login page, registration page, Voice API and working on unit test cases.
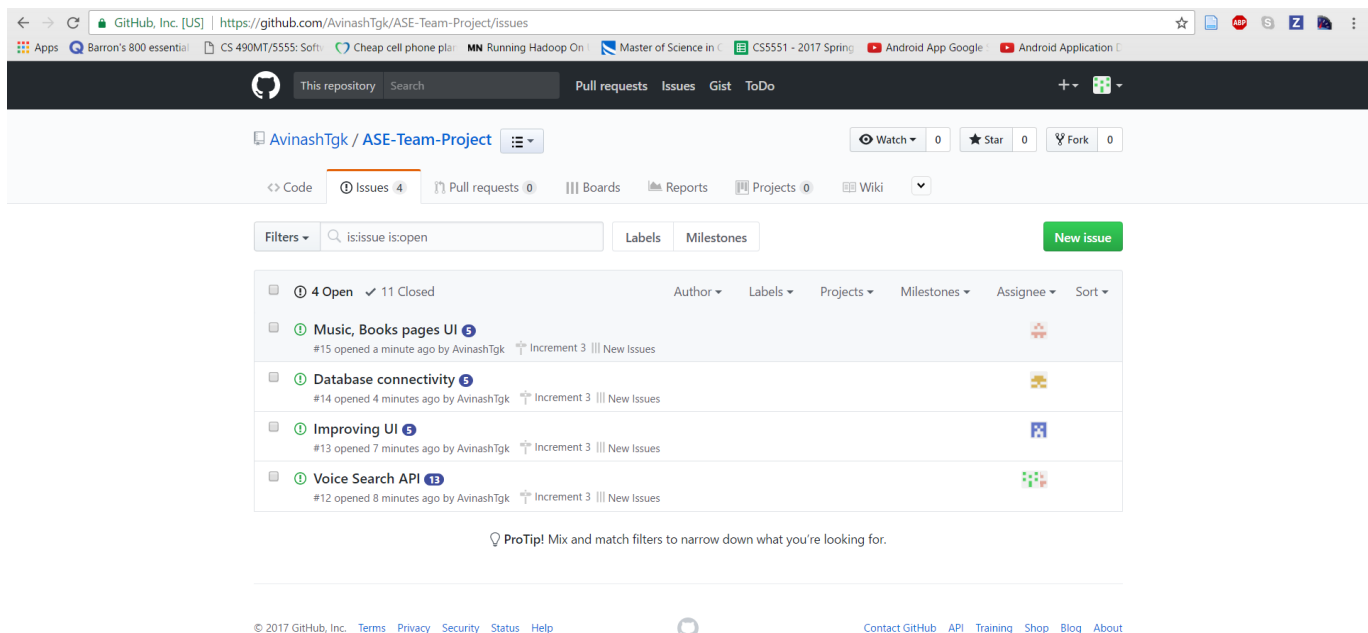
2. Project Timeline, Members, Task Responsibility:

Below is the screenshot describing the new issues and issues which are in progress state, done state and all other states too.

3. Burn-Down chart

The following is the Burndown chart:

Remaining Issues and Pull Requests	Story points
ⓘ Voice Search API ASE-Team-Project **#12** ‖‖ Done	13
ⓘ Improving UI ASE-Team-Project **#13** ‖‖ Done	5
ⓘ Database connectivity ASE-Team-Project **#14** ‖‖ Done	5
ⓘ Music, Books pages UI ASE-Team-Project **#15** ‖‖ Done	5

Completed Issues and Pull Requests	Story points
No issues to show based on your filters.	

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4. Third Increment Report

4.1 Existing Services/REST API

4.1.1 API's Used

- **Search API:**

Search API is used in the application to search for the required song or book or a movie.

- **Voice Search API:**

Voice Search API is used in the application which accepts the voice search commands and renders the desired results.

- **IMDb API:**

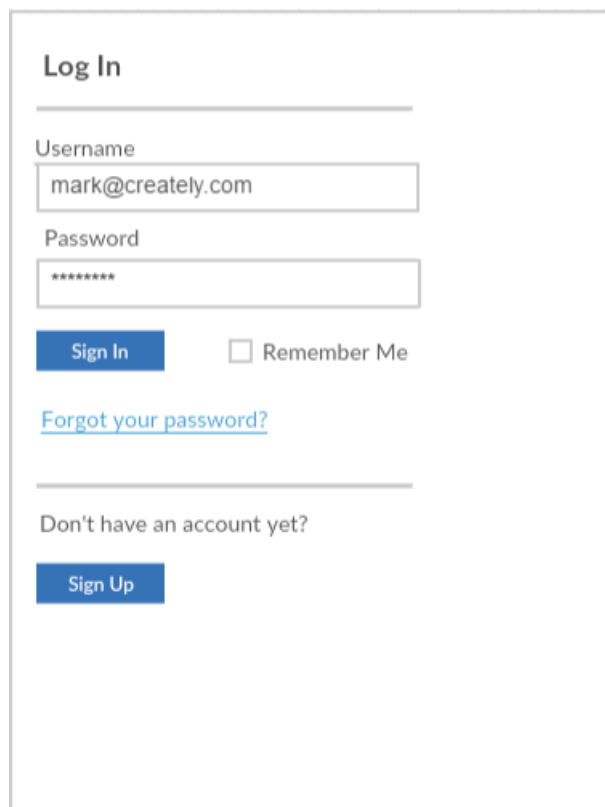IMDb API is used in the application to get the results for movie search by redirecting the user to its IMDb page.

APIs yet to be implemented:

Suggestions API, Bar code scanner

4.2 Detail Design of Features:

4.2.1. Wireframes

Login Page

Registration Page

Home Page

Movie Page

Movie Item Page
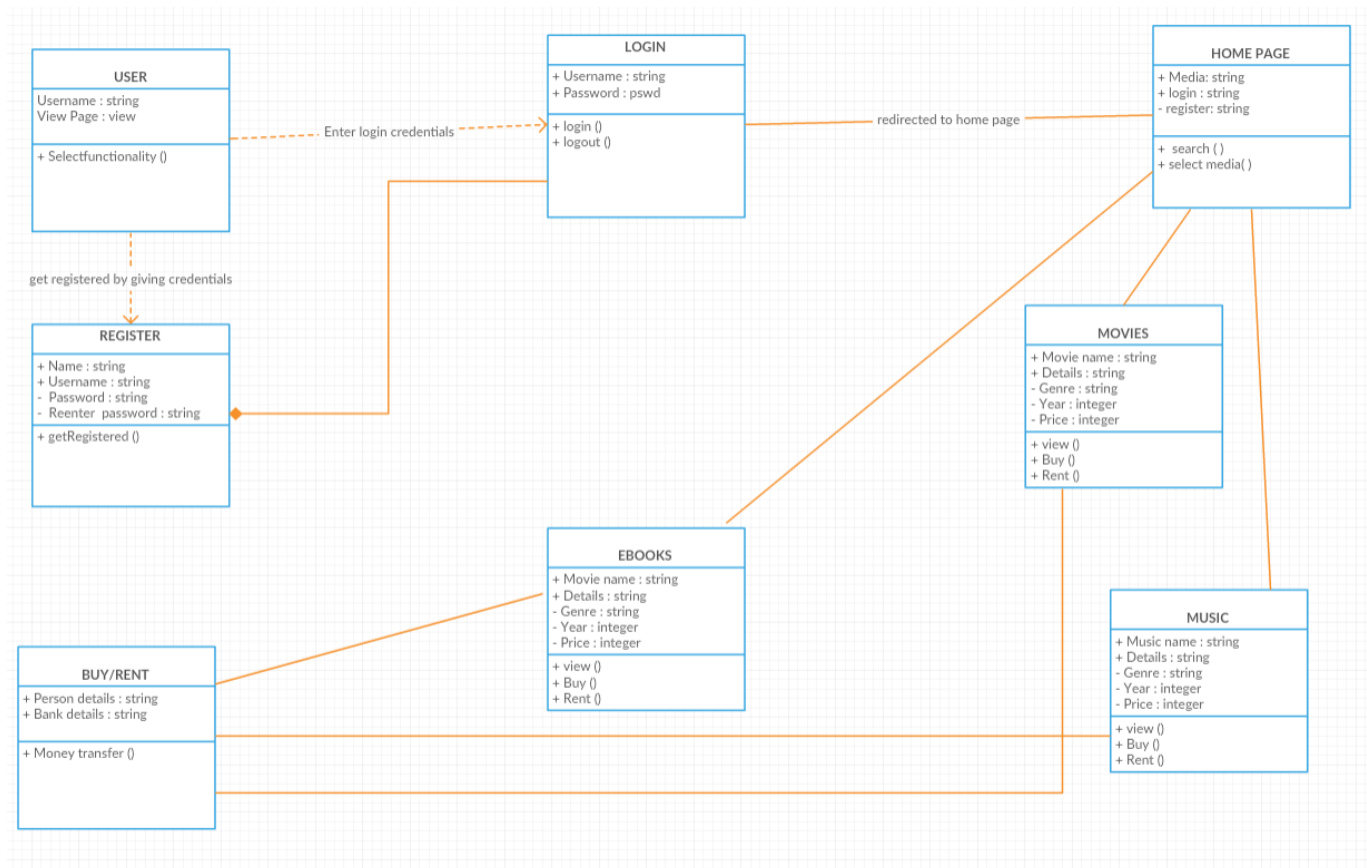
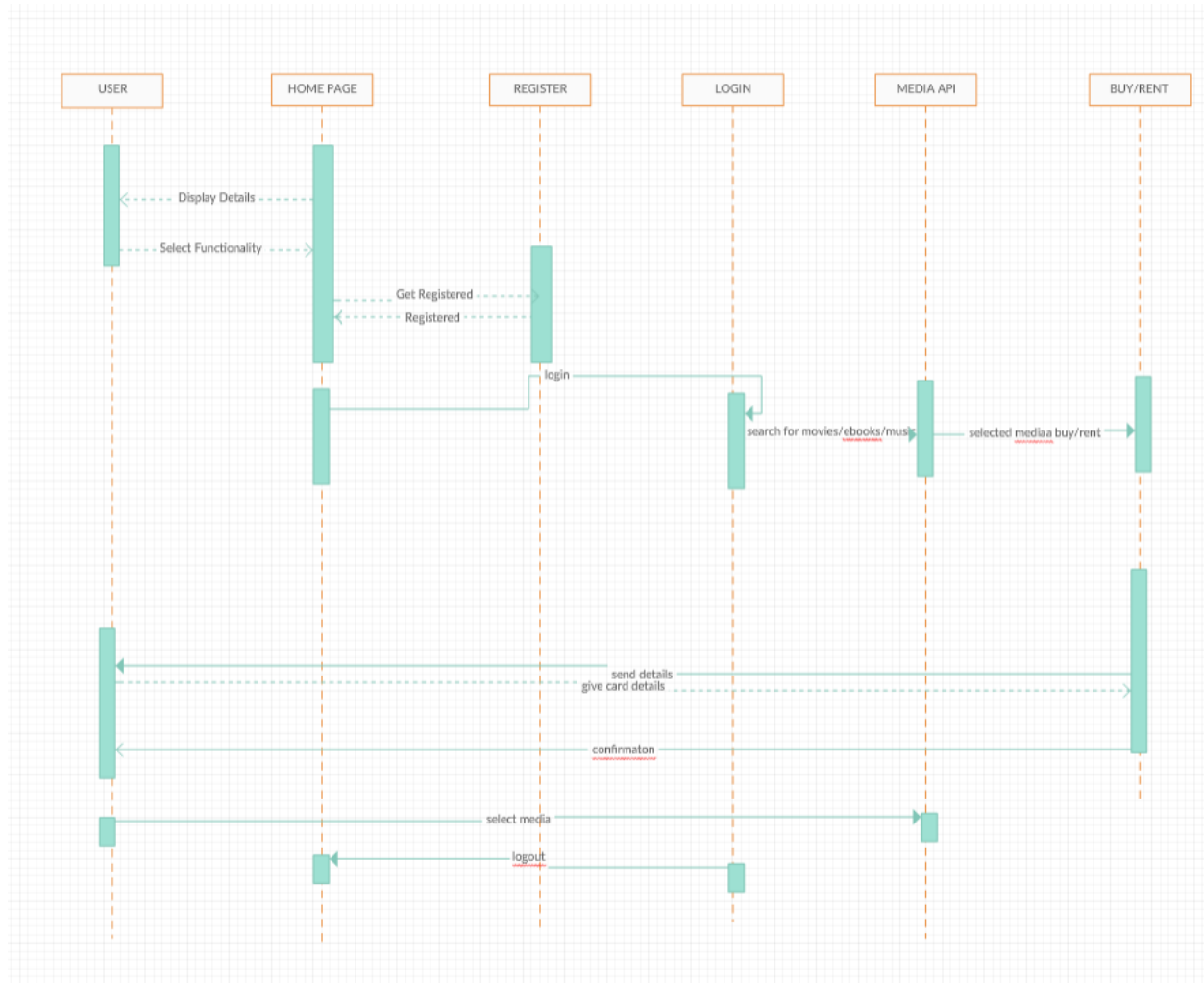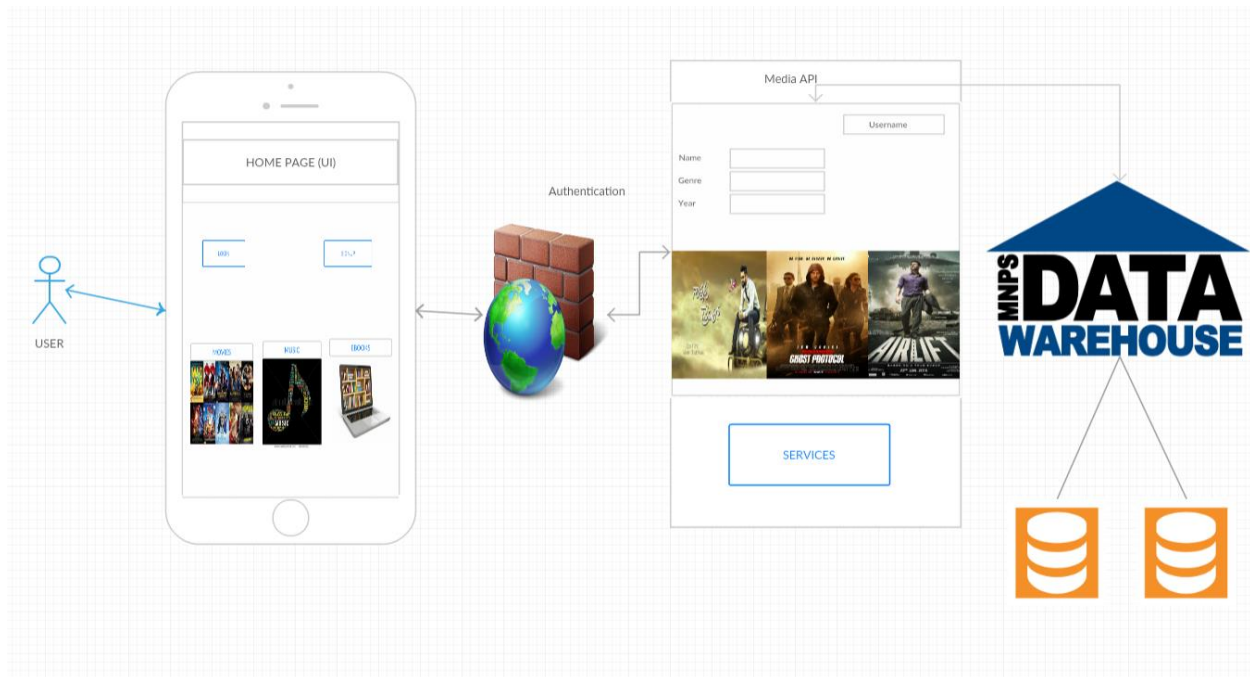## Buy Page

4.2.2 Class Diagram

4.2.2 Sequence Diagram

4.2.3 Architecture Diagram

4.2.4 User Stories

|	I want to	So that
	search for a movie	I can access movies
	search for music media	I can access music
As a user	Search for e-books	I can access e-books
	Purchase media	Buy or Rent media
	Voice search	Get results based on voice commands
	View short videos	I can access movie trailers

4.2.5 Unit Testing

Test Cases for Login and Signup pages:

| Case	Test case Description	Expected Result	Actual Result
Login	Enter invalid username and password	Error message pops up saying invalid credentials.	PASS
Login	Enter invalid username and valid password	Error message pops up saying invalid credentials.	PASS
Login	Enter valid username and invalid password	Error message pops up saying invalid credentials.	PASS
Login	Enter valid username and password	Page should redirect to Home page	PASS
Signup	Email id format should end with @mail.com	Give error message incorrect email id format	PASS
Signup	Password of length 8 characters	Gives error message password is weak	PASS
Signup	Password and confirm password should match	If this succeeds it redirects to login page	PASS
Search	Enter a valid name to search for	Retrieves search results	PASS
Voice Search	Give a voice command	Retrieves search results	PASS
IMDb Search	Search for a movie	Redirects to IMDb page	PASS

5. Implementation and Deployment

We have implemented the Medianizer application in Android Studio onto an emulator. Following screenshots describe the flow of the application.

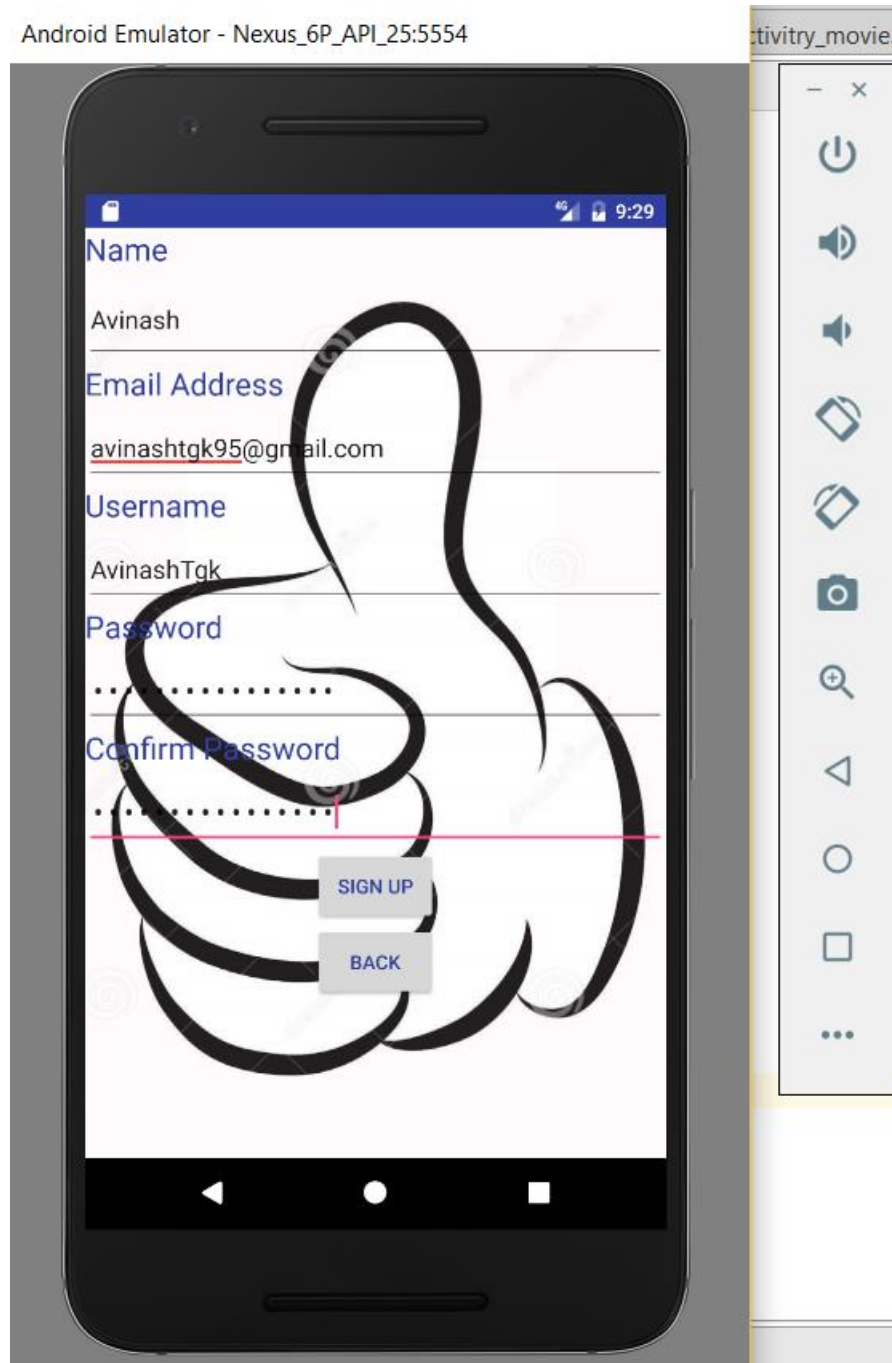**5.1** Our application, "Medianizer" in the menu.
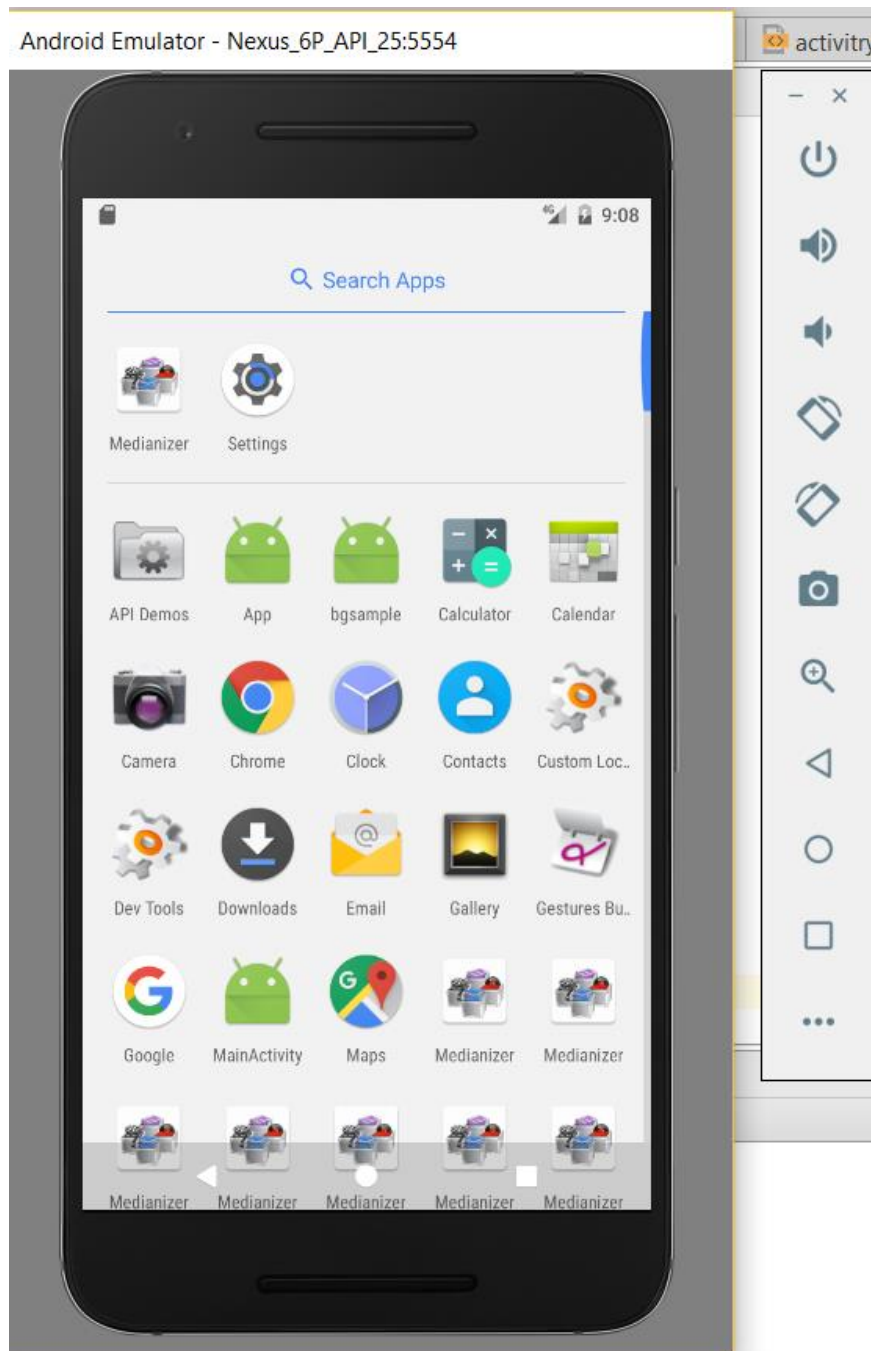
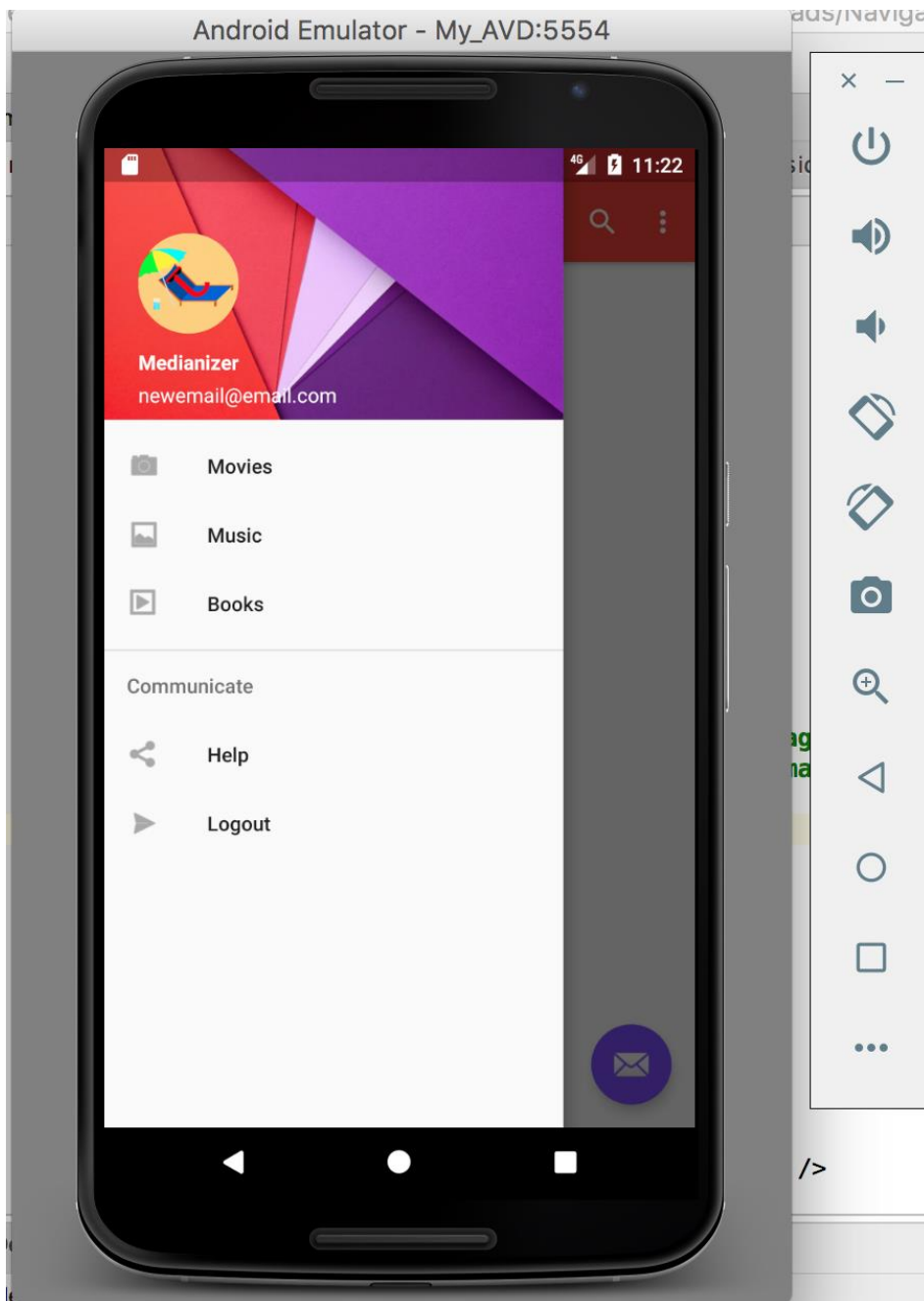**5.2** By clicking on the application, the following login page appears.
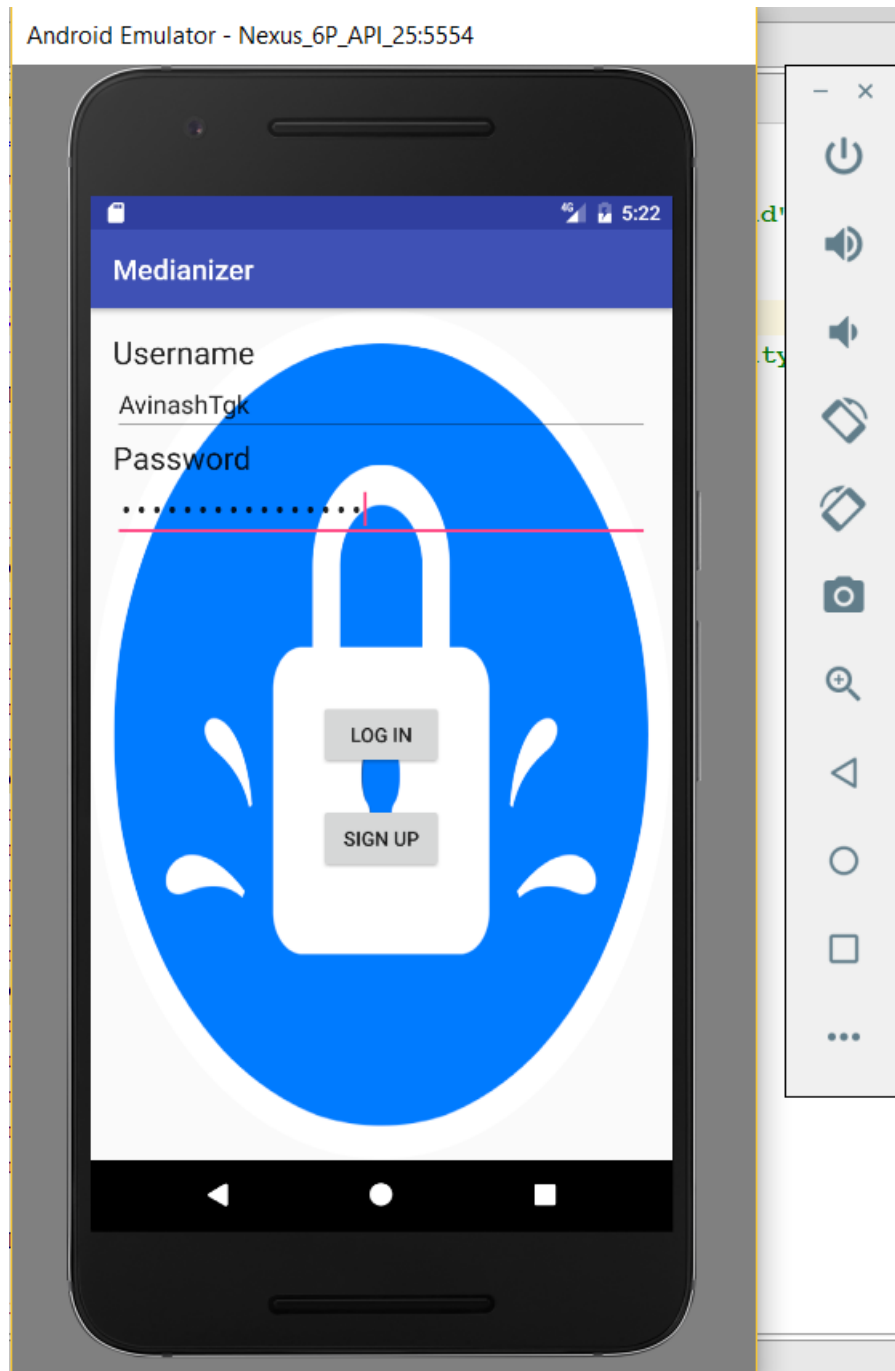
5.3 If the user is new, on clicking signup the following form appears.
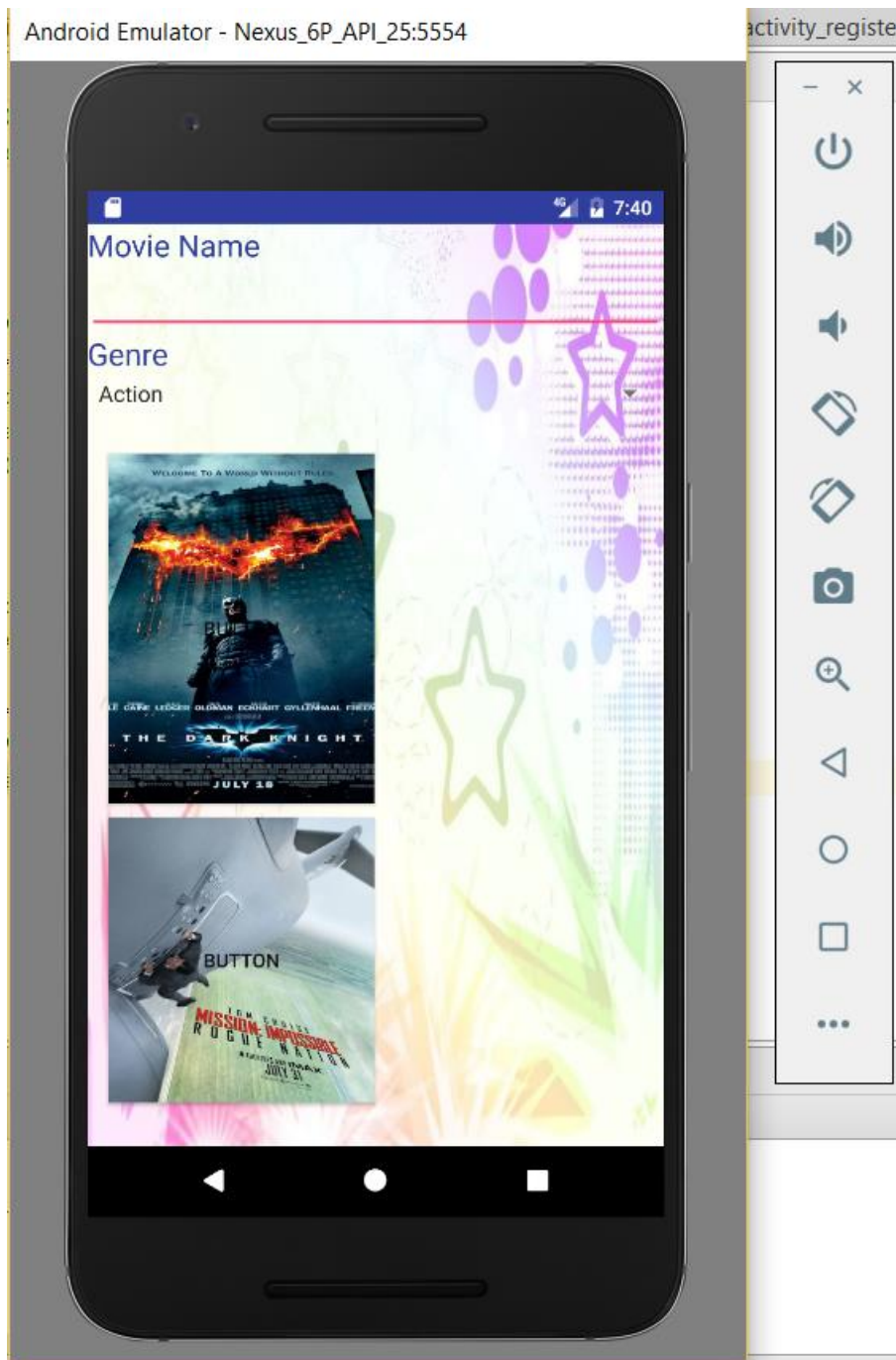
(with user details)

5.4 Upon logging in, the following index page appears.

5.5 On selecting the desired category, the respected page opens.

   (similar pages for all categories)

GitHub wiki page URL: https://github.com/AvinashTgk/ASE-Team-Project

6. Project Management

Implementation status report

Technologies Used:

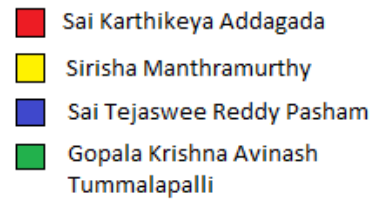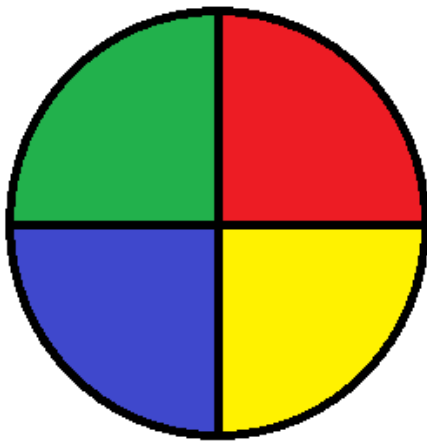Android SDK, J2EE, XML.

Work Completed:

- Design and Architecture of the Application
- Login and Registration using Android
- Search API Implementation
- Voice search API Implementation
- IMDb API Implementation

Work to be Completed:

- Searching for the API useful for the application
- Integrating the API with the application.
- Improving the User Interface of the application.

Contributors:

- Sai Karthikeya Addagada – 25%
- Sirisha Manthramurthy – 25%
- Sai Tejaswee Reddy Pasham – 25%
- Gopala Krishna Avinash Tummalapalli – 25%

Contribution:

🟥	Sai Karthikeya Addagada
🟨	Sirisha Manthramurthy
🟦	Sai Tejaswee Reddy Pasham
🟩	Gopala Krishna Avinash Tummalapalli

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- https://www.w3.org/standards/xml/