

CINEMETRICS INCREMENT 2

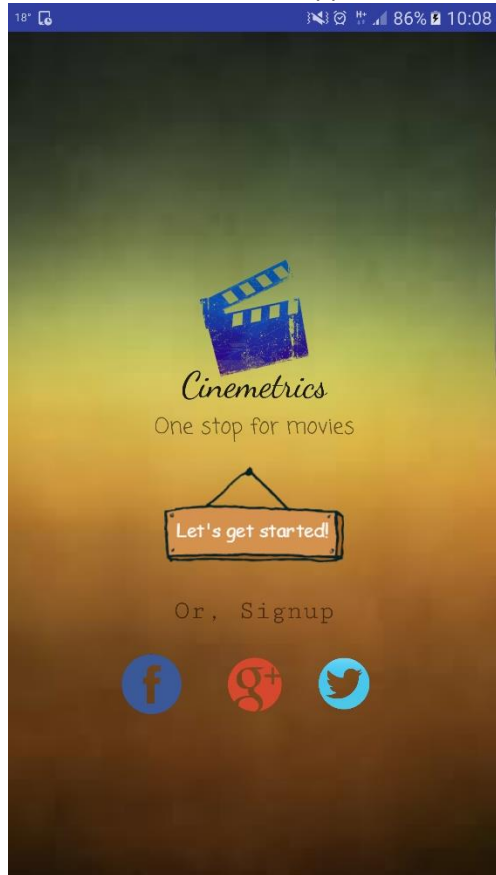
For Increment 2, all the UI are created and integrated. Usage of TMDB API in Search screen and Movie Description page. Statistical graph for the movies watched are done.

Below are the contributions of the team members:

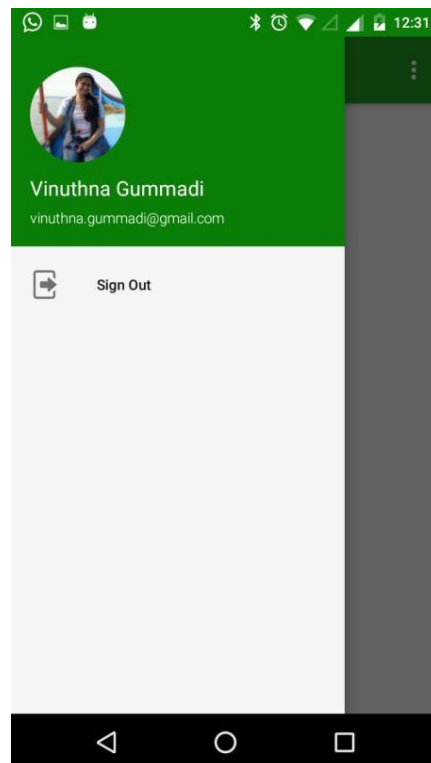
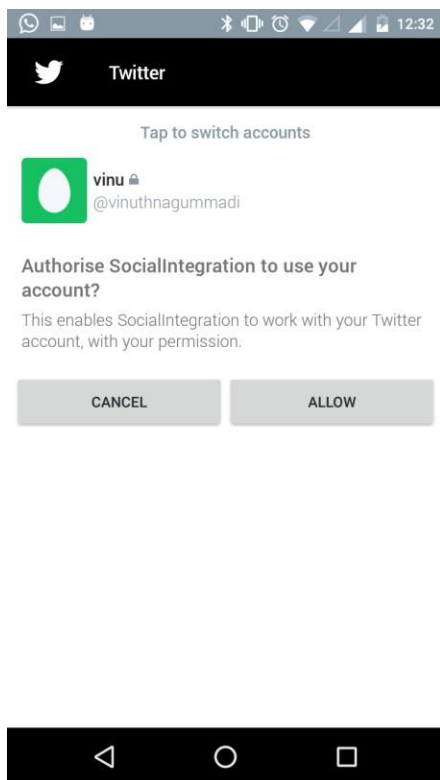
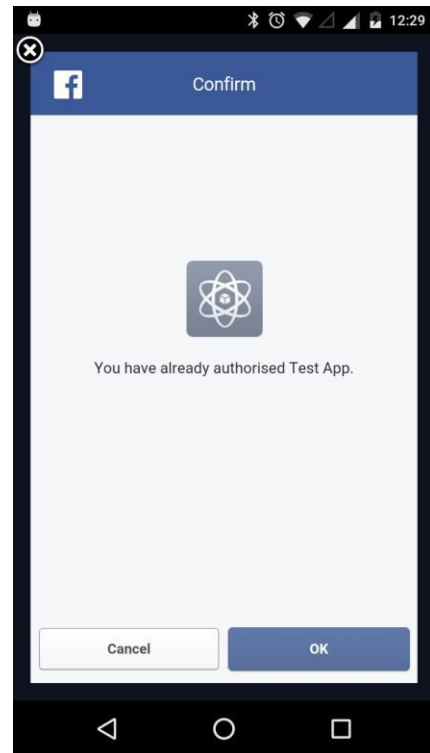
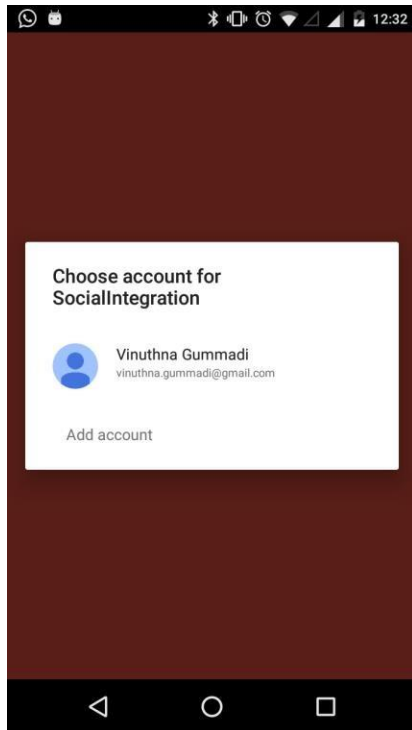
Lavanya:

Cinemetrics Login Screen:

On click of Cinemetrics app, below screen appears.



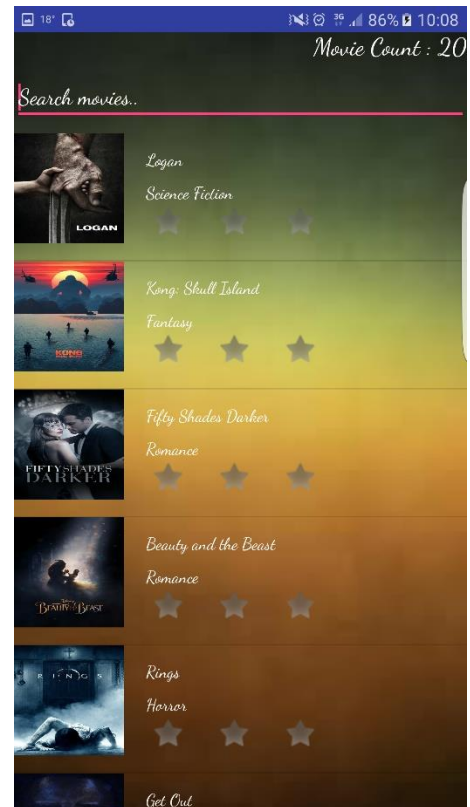
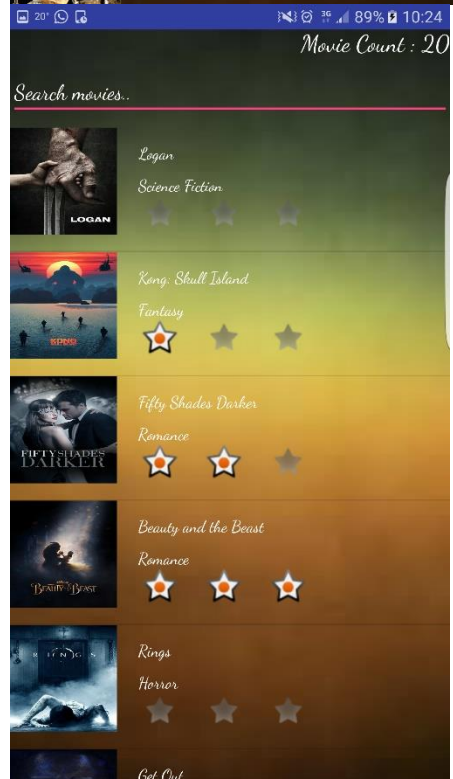
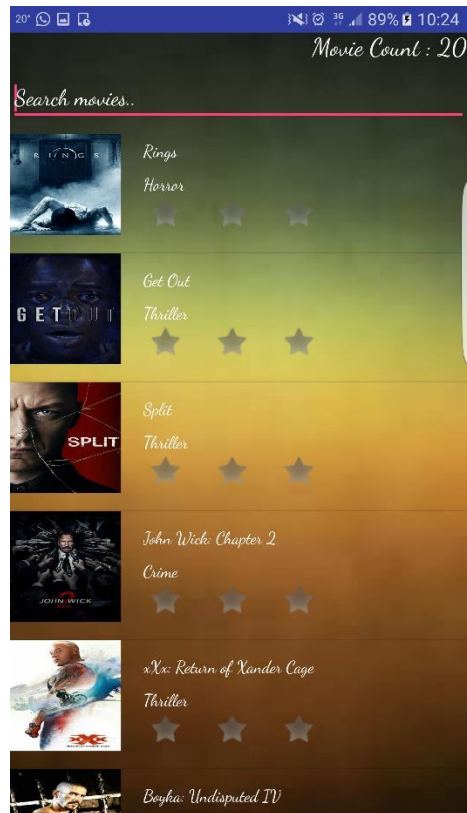
User can authenticate using google or facebook or twitter.



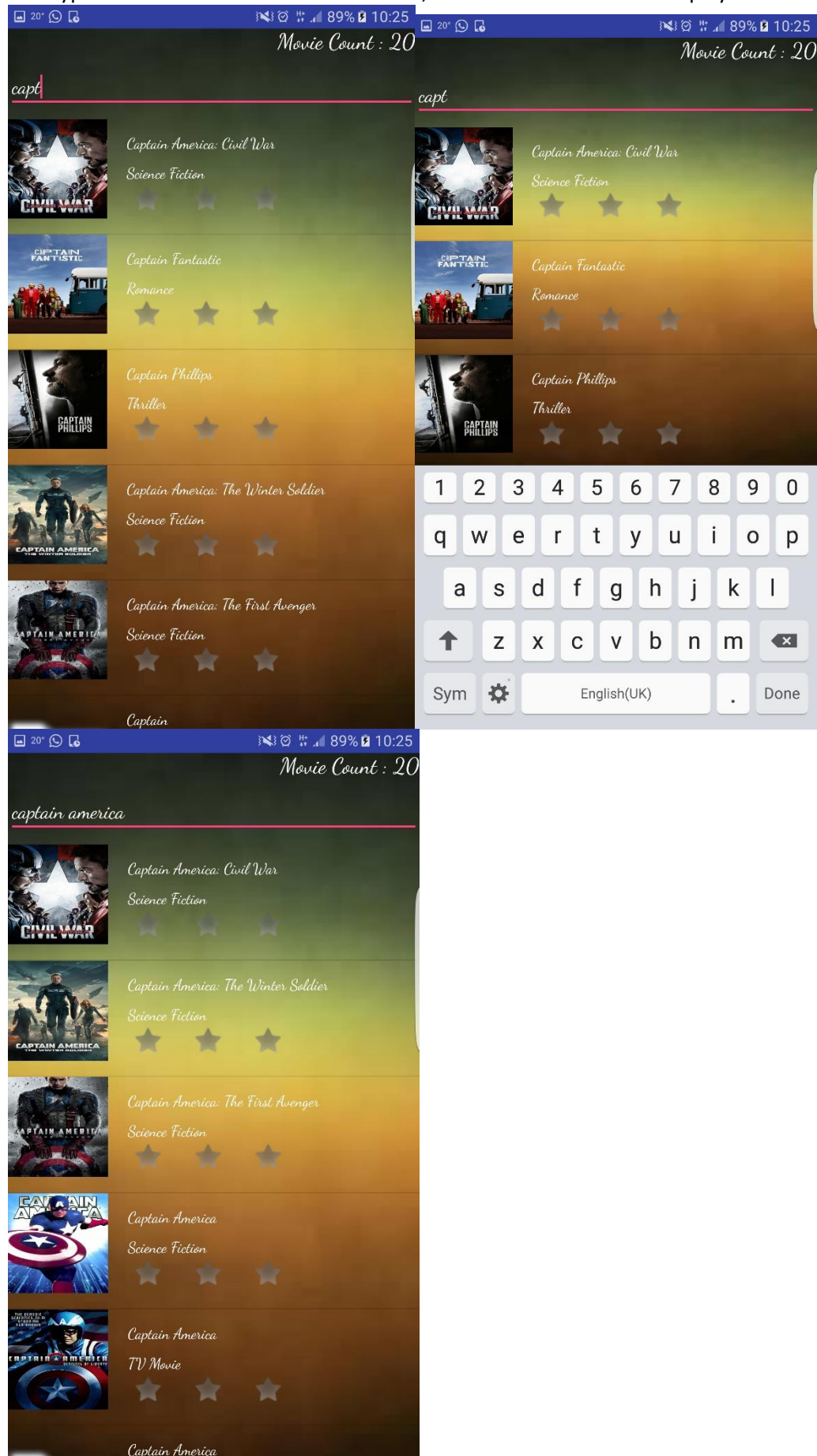
Vinuthna:

Cinemetrics Search Screen:

On successful login, user is navigated to the search screen. Search screen by defaults gives the top-rated movies in the current year.



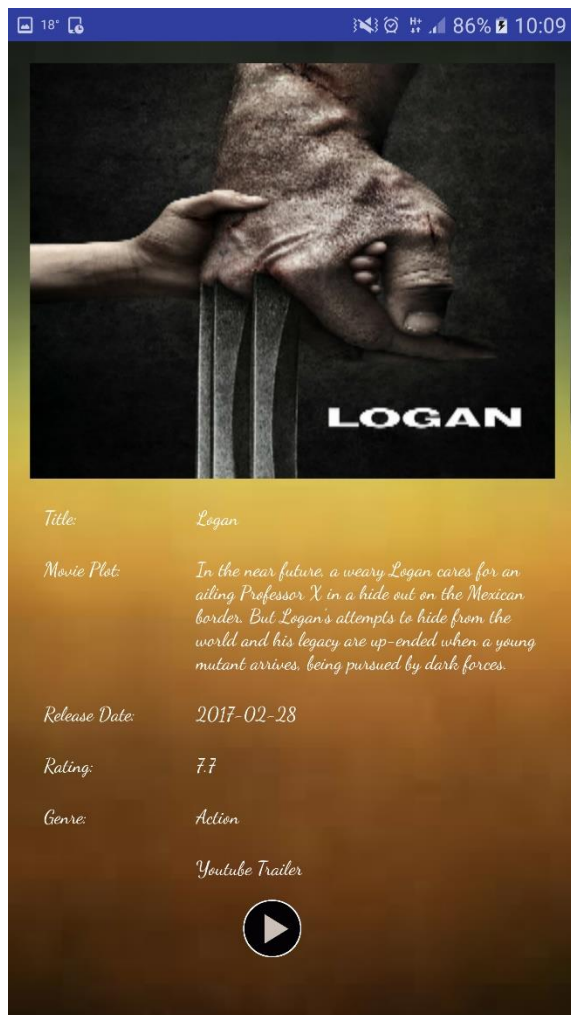
On type of at least 4 letters of movie name, the search result will be displayed.



By ESHA –

Development for increment 2:

1. Once the user selects a movie from the list of movies available in search page they will be redirected to movie details page where they will be able to have a look at movie details such as Movie poster, movie title, plot, genre, release date and a trailer.



All the above details would be fetched only on a selection of particular movie.

List of tasks implemented to develop this module of displaying movie details and playing a trailer:

1. Designed a page to display all the movie details listed above.
2. By using TMDB API I am fetching movie details like:
 - Movie poster
 - Complete movie title
 - Brief description of movie
 - Release date
 - User rating
 - Genre code

API call command : <https://api.themoviedb.org/3/search/movie?query=>
+moviename +&api_key= +Apikey

3. The movie genre code initially fetched would be in numerical format, that should be mapped with the other genre list maintained by TMDB which would give us an understandable format of genre. I am mapping and displaying the genre in an understandable format.

API call command to map genre: https://api.themoviedb.org/3/genre/movie/list?language=en-US&api_key= +Apikey

4. Once the movie details are fetched and displayed, as the TMDB doesn't give an access for trailer. I am using the movie name to fetch the YouTube video Id for the movie trailer.

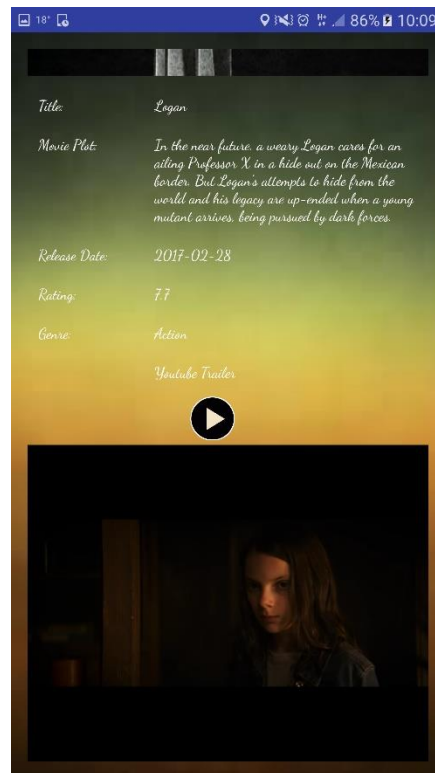
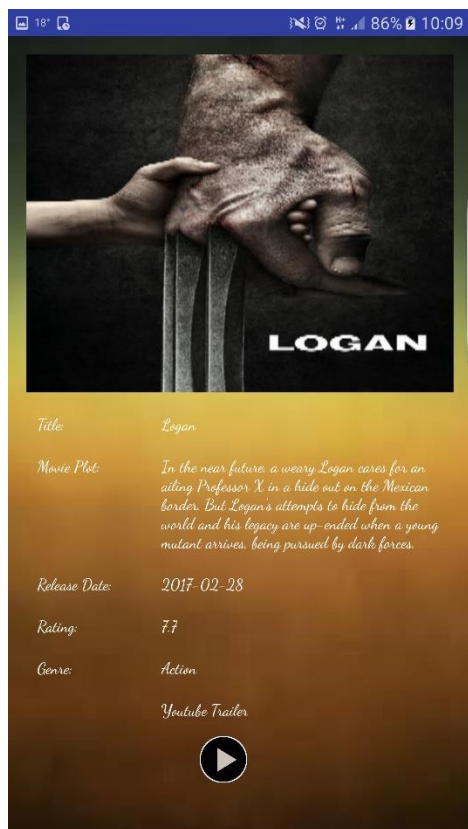
API call command:

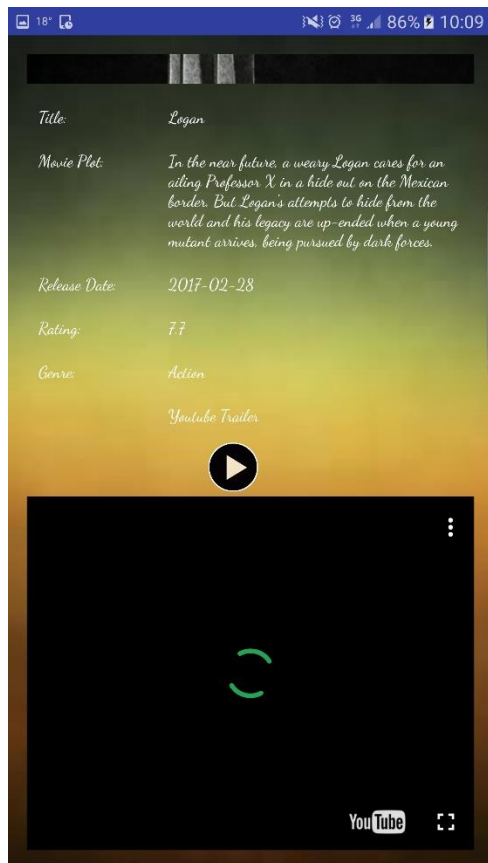
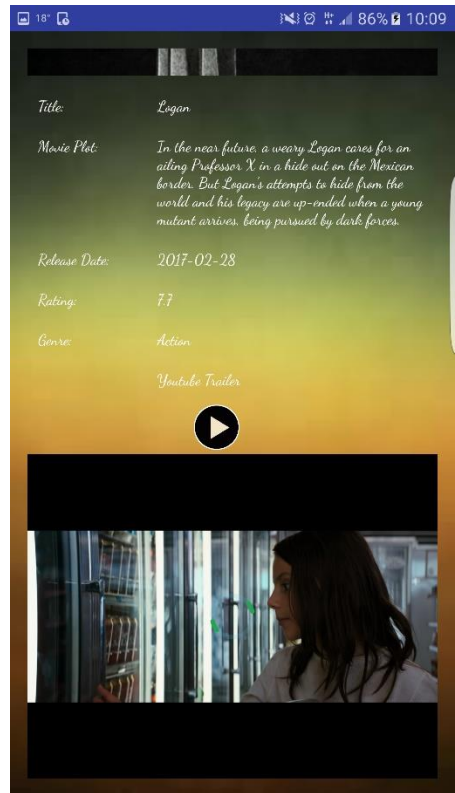
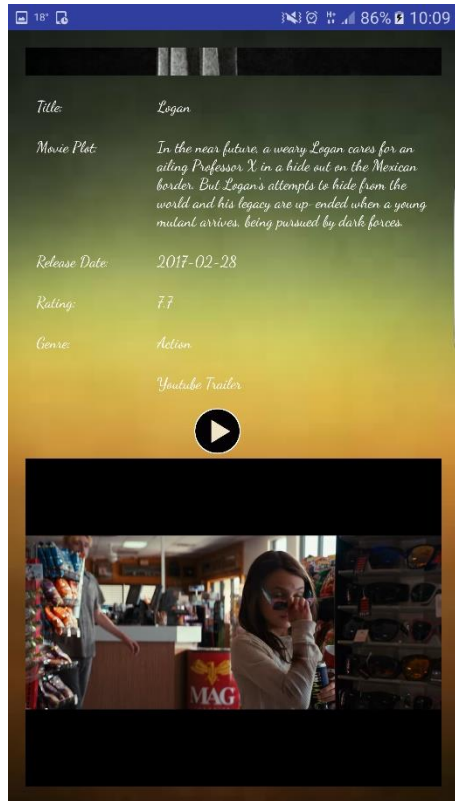
<https://www.googleapis.com/youtube/v3/search?part=snippet&maxResults=10&q=>

+ movieName + &type=video&key= +apikey

5. Later on once I have a YouTube video Id, I am using YouTubeBaseActivity functionality to play a YouTube trailer on the movie details page.
6. Manually tested the tasks that I have accomplished in this increment. Code is fetching all the required details when a movie name is supplied.

Below are few screenshots for the movie details page:





18°

86% 10:09

Title:

Logan

Movie Plot:

In the near future, a weary Logan cares for an ailing Professor X in a hide out on the Mexican border. But Logan's attempts to hide from the world and his legacy are up-ended when a young mutant arrives, being pursued by dark forces.

Release Date:

2017-02-28

Rating:

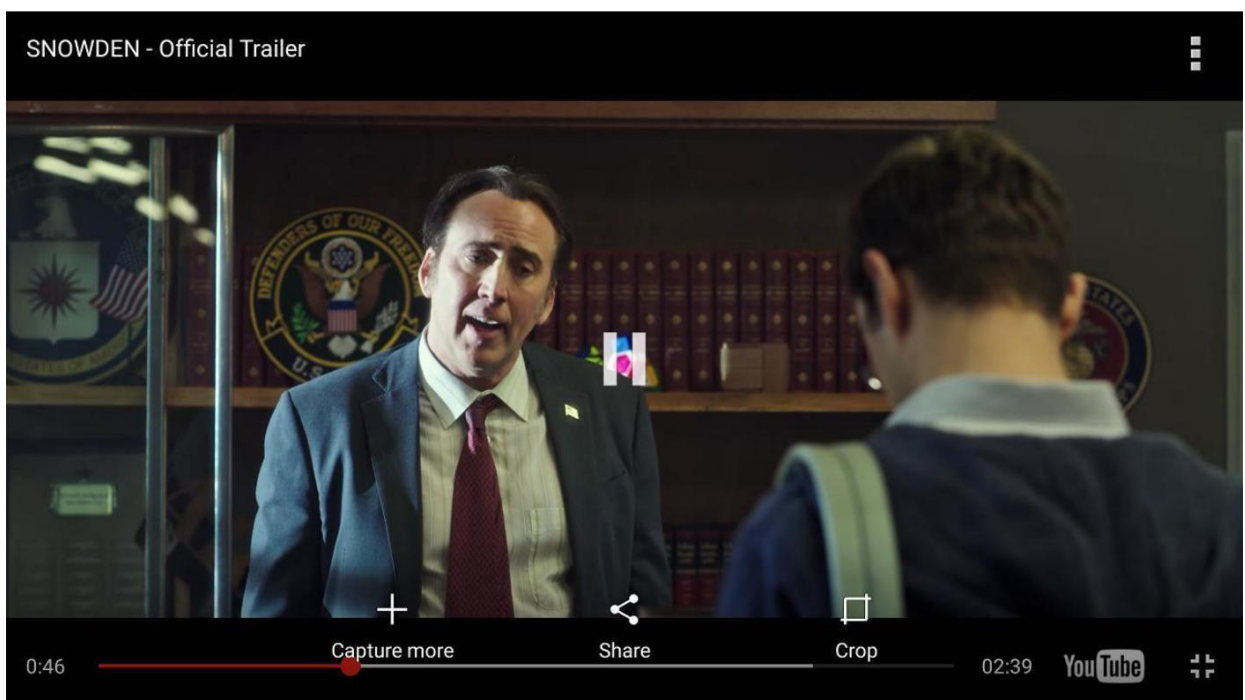
7.7

Genre:

Action

Youtube Trailer

I am playing the trailer in landscape mode in the following images:



Gayathri:

Development for Increment 2 :

This page developed displays the statistical data of the user for this app.

Once the user clicks on the watched list, they would have a option to display the their statistical data depending on the genre, language, director or hero that they have watched. As a team we decided to display this data in the form of a pie chart.

This page would also display a share option where in the user can share their data, that is the respective pie chart figure that they desire.

List of tasks implemented to develop this module of a statistical data display through options such as genre, language, director or hero.

2. Designed a page that would display the data of the kind of films or trailers watched by the user in the form of a pie chart.
3. From the MainActivity.java class, I have fetched the related values in order to display that in the form of a pie chart.
4. In order to display charts, we can use AchartEngine library available in Android or we may also use Google charts API. I have used the library for our application.
5. I have also implemented animation to the pie charts. To accomplish this task, I have used nineoldandroids maven library and integrated that through the manifest file. I have made the necessary changes for a good UI.
6. The user on clicking on a specific slice of the pie chart, its reference will be displayed allowing it to be more user friendly.
7. I have used "android.graphics" to complete all the dependencies required.
8. The logic to calculate the data needed and to display that diagrammatically in a animated form has been implemented.

The page consists of a :

- 1) Drop down box :

β Genre (default)

χ Language

δ Director

ε Hero

4. Button to display the chart

5. Share Button

6. Pie chart

All the appropriate details have been fetched and displayed in order to view a complete statistical analysis.

Below are some of the screenshots as we run this page.

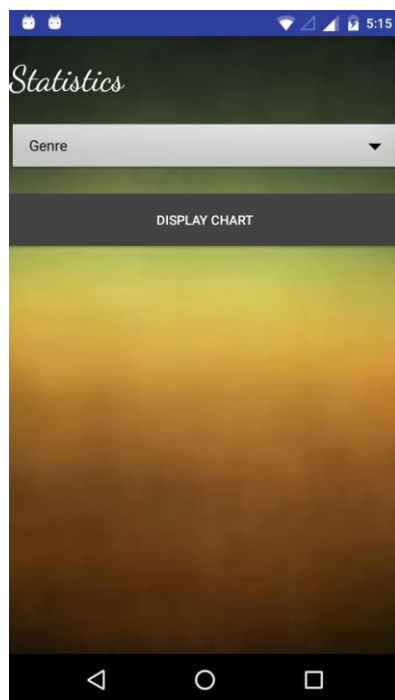
(Tried to cover the screenshots covering :
App icon

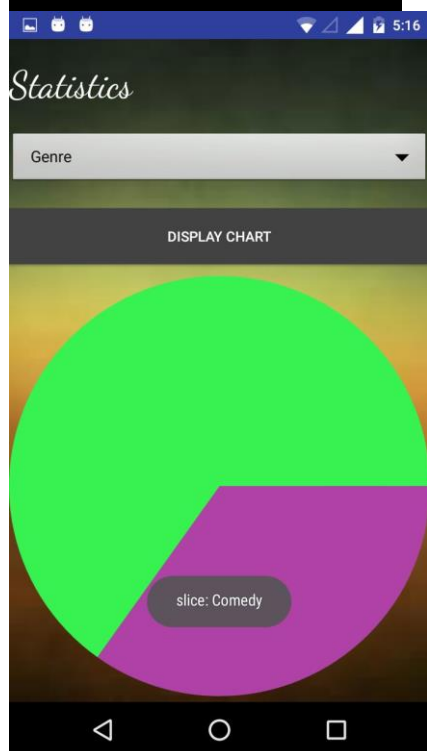
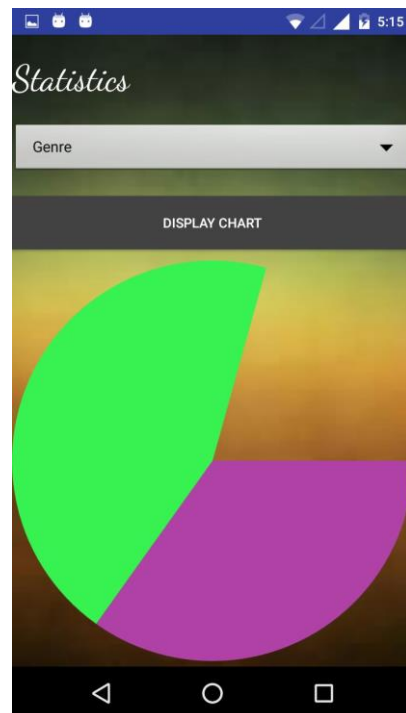
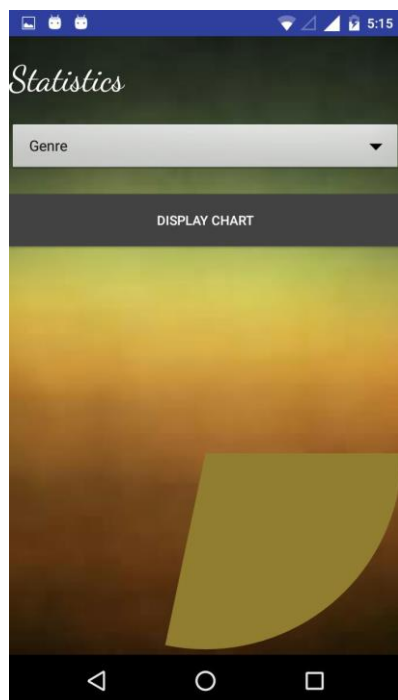
Animation

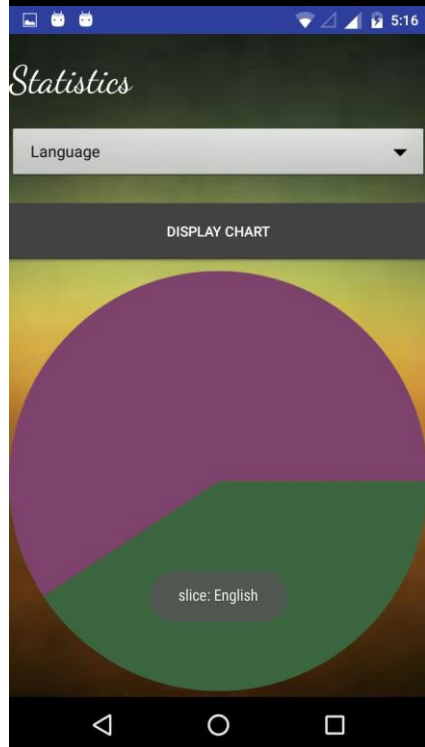
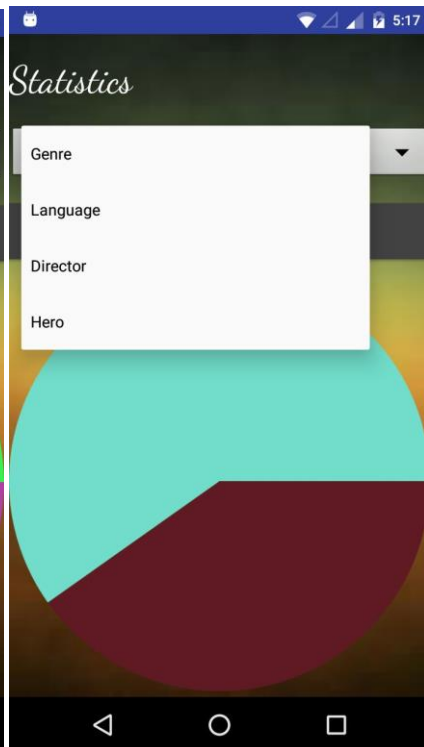
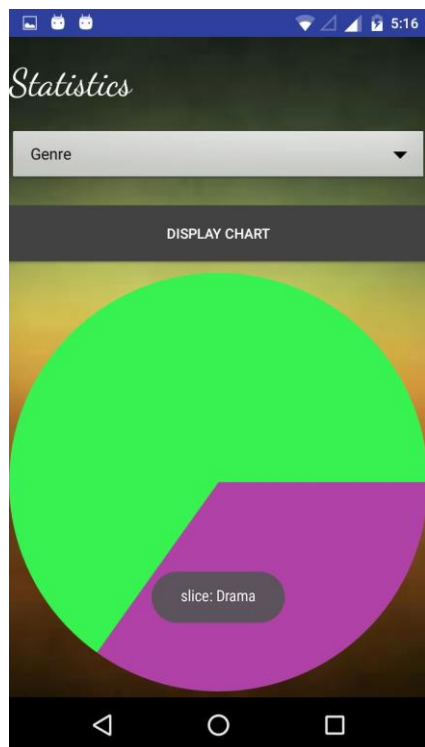
Default display

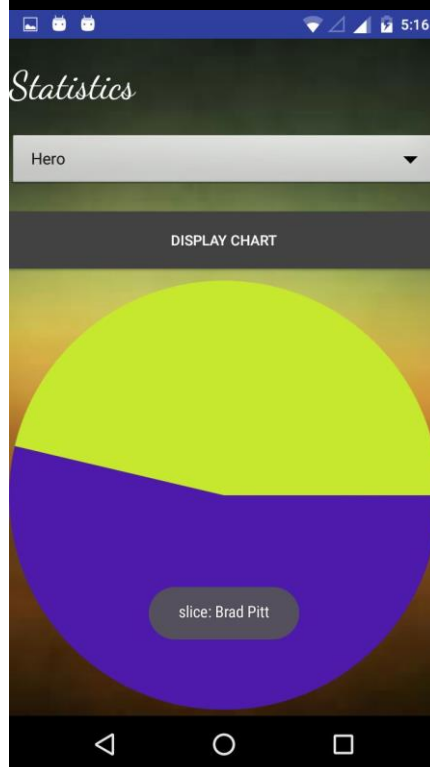
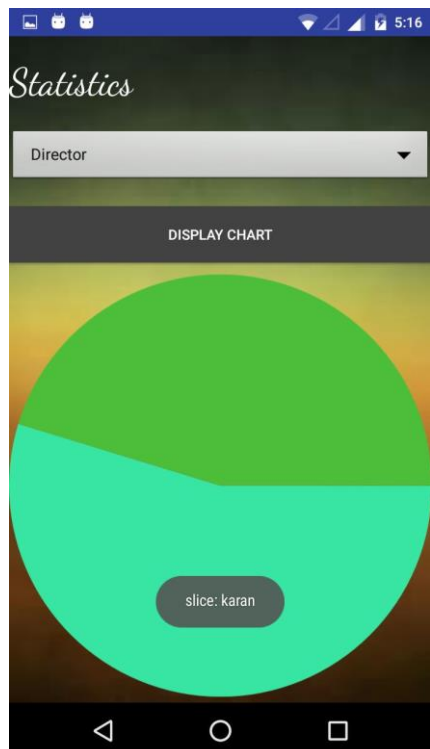
Pie chart display

On click of every option in drop down list









Project Management in terms of the second increment (with ZenHub)
Increment 2



