

Simulating a RSS News Feeds Application

Objective: The world is moving very fast, with many events happening around us , affecting us in some way or the other. Technology advancements has enabled oneself to be always updated with events which make news.

Keeping this in mind, you have to develop one an app called **RSSNewsFeedApp** which provides

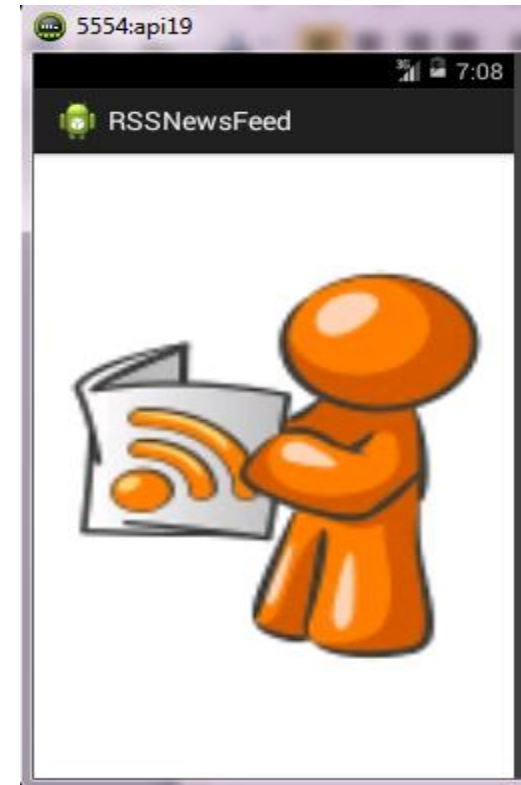
1. List of all the breaking news.
2. Different category of news.
3. Facility to bookmark your favorite category of news.

Note : News articles would be hard coded in the strings.xml. No server side connectivity is needed. This app can be improved by coding few server side files in php - mysql and fetching live new feeds.

Technical Specifications:

1st Activity: It is a splash screen for 5 seconds which is created using thread object.

After 5 seconds, control should go to **2nd Activity.**

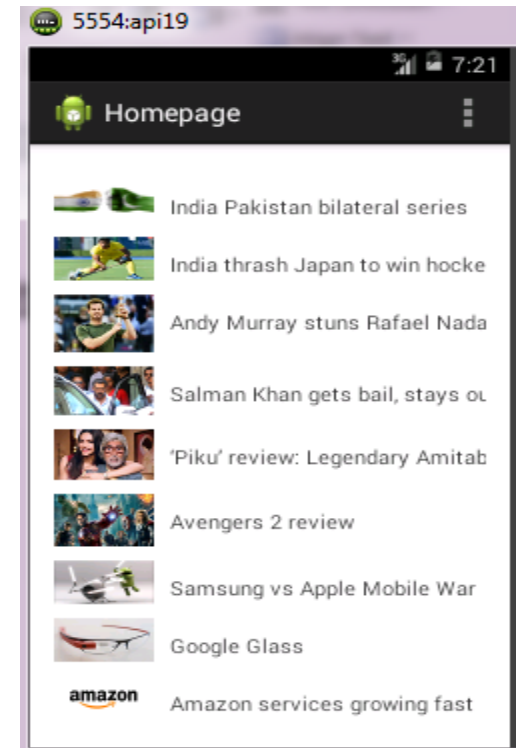


2nd Activity:

This activity is the Homepage which displays list of all the news headlines as shown in figure.

It uses `<TableLayout>` which has `TableRow`. In each `TableRow`, `Imageview` and `Textview` are placed.

on clicking the news headline i.e. `TableRow`, control should go to the 3rd Activity.

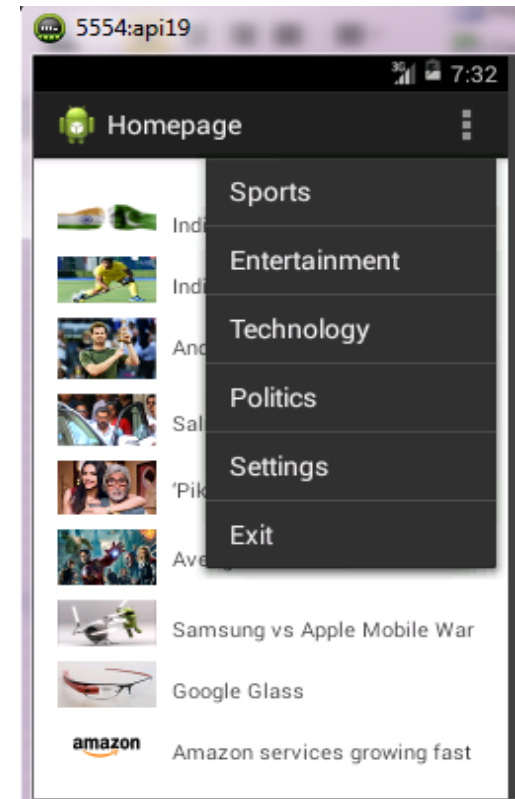


2nd Activity also has options in the Action bar as shown in figure.

On clicking over the options , respective Activities should be called.

The options in the Action bar are:

- 1) Sports
- 2) Entertainment
- 3) Technology
- 4) Politics
- 5) Settings
- 6) Exit



3rd Activity:

This activity shows the details of the Headline selected from 2nd activity. (fig 1)
It is Newspaper activity which has Imageview and Textview .

This activity also has Action bar as shown in figure 2.

The options are:

Homepage, Settings, Exit



Fig 1

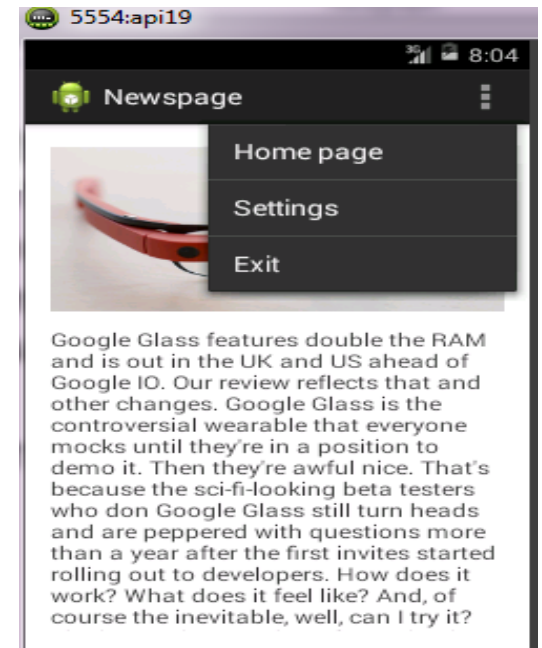


Fig 2

Options in the Action bar:

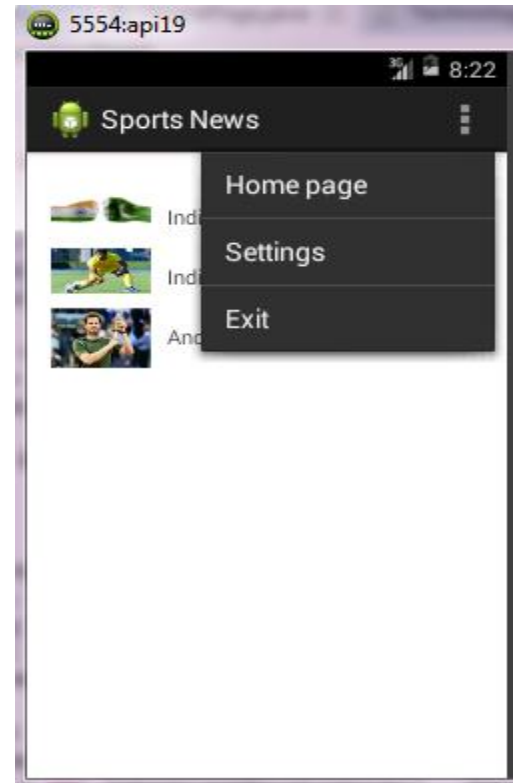
Home Page: On clicking this option, 2nd Activity i.e. home page is called.

Sports: It will call the sports activity which shows only the sports headlines.

on clicking the headlines

3rd activity i.e. Newspaper activity is called.

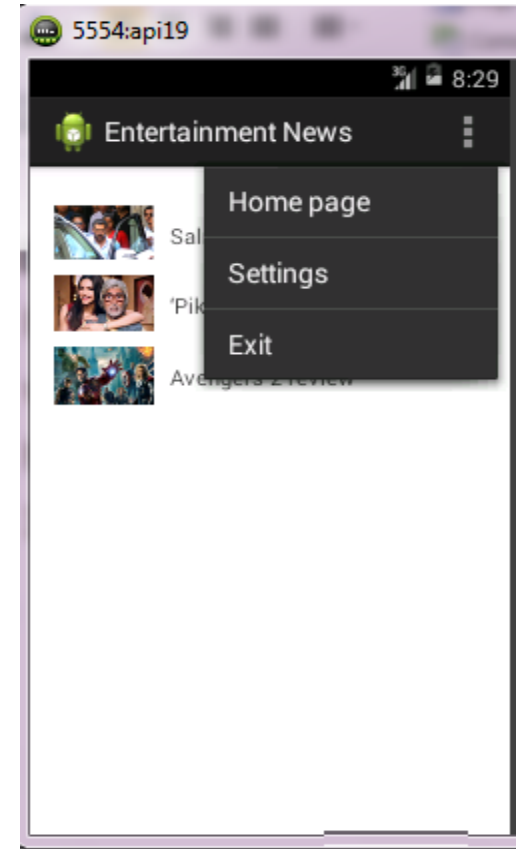
It also has 3 options in the Action bar as Homepage, Settings & Exit.



Similarly for Entertainment, Technology & Politics, control should go to respective Activities.

on clicking the headlines 3rd activity
i.e. Newspaper activity is called.

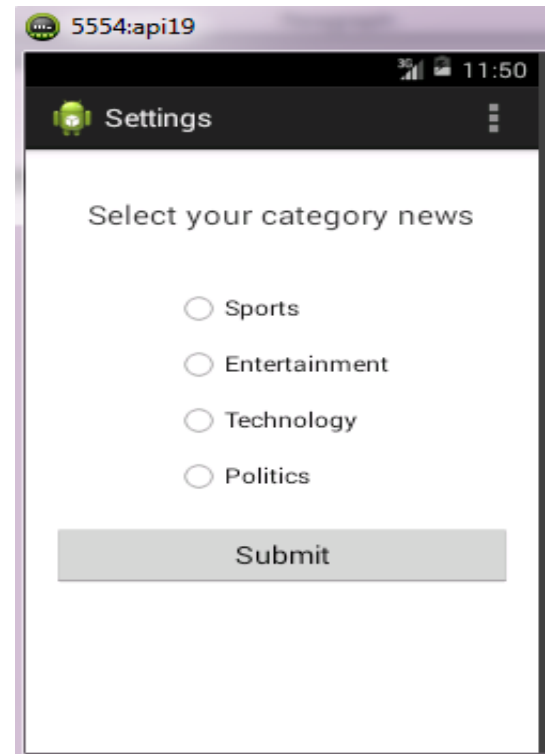
It also has 3 options in the Action bar as
Homepage, Settings & Exit.



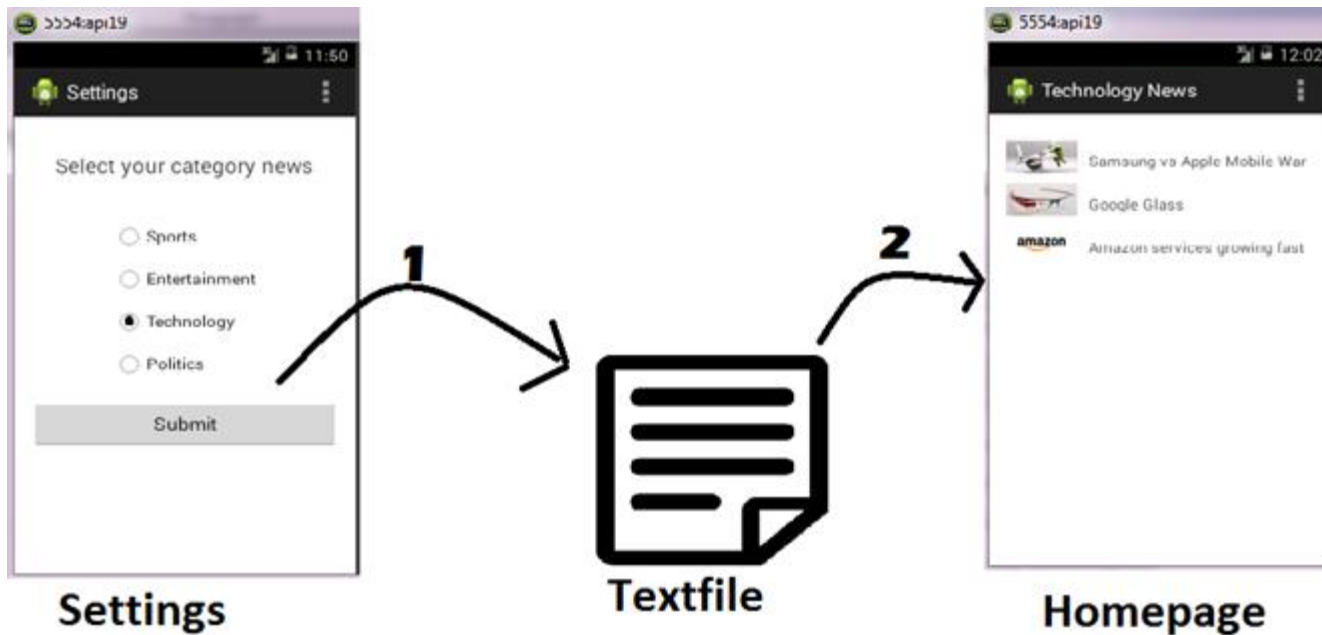
Settings:

In this activity, Radiobuttons are used to show the different category of news as shown in figure.

This activity also has 3 options in the Action bar.



On clicking the submit button , the selected category should be saved in the textFile.



The above fig explains how to save the category of news

- 1) When submit button is clicked the Technology news is saved on the textFile named "mydata.txt".
- 2) When the app is launched again instead of **Homepage** activity , that saved category i.e. **Technology** activity is called.

Code snippet for reading bookmark from text file:

```
File f = getBaseContext().getFileStreamPath("mydata.txt");
if(f.exists()) {
try {
FileInputStream fis = openFileInput("mydata.txt");
int c;
String temp = "";
while( (c = fis.read()) >0){
temp += Character.toString((char) c);
}
Intent i;
if(temp.equals("1"))
i = new Intent(getBaseContext() , SportsActivity.class);
```

Code
contd...

```
else if(temp.equals("2"))
i = new Intent(getBaseContext() , EntertainmentActivity.class);
else if(temp.equals("3"))
i = new Intent(getBaseContext() , TechnologyActivity.class);
else
i = new Intent(getBaseContext() , PoliticsActivity.class);

startActivity(i);
} catch (FileNotFoundException e) {
e.printStackTrace();
} catch (IOException e) {
e.printStackTrace();
}
```

Specifications Ends here. Start coding.

All the best.