



globsyn

Taking People To The Next Level

Globsyn Skills, I

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Document sign date :Aug 1, 2016



Salt Lake, Kolkata – 700091

COLLEGE COMPANION

A digital notice and information hub

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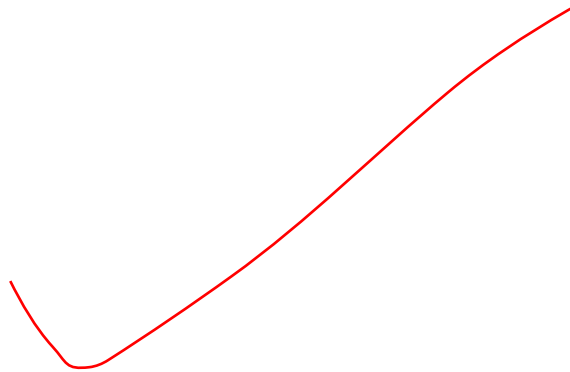
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Alankar *Sanyal*



Table of Contents

Acknowledgement	4
Project Objective.....	5
Project Scope	6
Requirement Specification.....	7
Database Design.....	8
Application Work Flow	9
Screenshots	10
Future Scope of Improvements	11
Code	13
Certificate.....	76



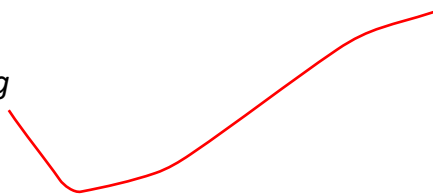
Acknowledgement

I take this opportunity to express my profound gratitude and deep regards to my faculty, Mr Alankar Sooraj, for his exemplary guidance, monitoring and constant encouragement throughout the course of this project. The blessing, help and guidance given by him from time to time shall carry me a long way in the journey of life on which I am about to embark.

I am obliged to my project team members for the valuable information provided by them in their respective fields. I am grateful for their cooperation during the period of my assignment.

Arkadeep Saha

JIS College of Engineering



Project Objective

Develop and implement a client side android app for an educational institute that enables students to have 24 x 7 access to notices and instructions given out by college authorities, while also serving as a central hub to have access to updated and regular class schedules, library transaction details and implementing event reminders through the user's native calendar app (preferably the stock Google Calendar app).

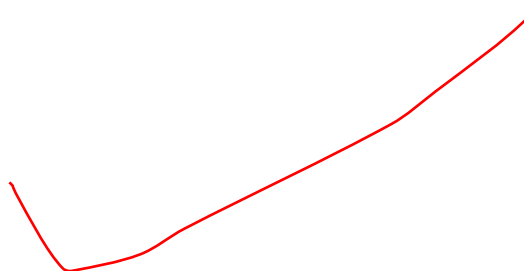
The primary project goals are as follows:

- Gives a certain amount of authority to the issued notices, especially since our college has a policy that students are not to believe any notices passed on in social media or instant messaging unless they have seen it in a notice board themselves
- Enable a student to get updated class schedules without making cross campus trips to departmental notice boards
- Providing students with notices and memos given out by college authorities with the swipe of a phone screen
- Segregation of notices into categories: department (for notices given by the department), general (for notices issued by the college authority, not pertaining to the curriculum, such as declaration of holiday) and campus drive (available only to the final year students and issued by the placement cell)
- Proper colour coded notices to segregate urgent notices from simpler ones that may be ignored
- Enable saving notices to phone memory for offline reading
- Enable students to track their library transactions
- Enable students to set reminders for important events or deadlines as soon as it is read in a notice or memo through their native calendar app (preferably the stock Google Calendar app).

Project Scope

The broad scope of the 'College Companion' project includes:

- The system will be available on an online platform for 24x7 access to the students, the faculty and the administration
- It would require a simple login consisting of the student's college roll number as the username and the university registration number as the password. This would be a onetime login and the app will retain the user credentials till the user logs out. The user can choose to opt out of this constrain.
- There is no requirement for a registration because the idea is that the login is authenticated by a server maintained by the institute and as such the institute would already have a list of its students.
- It would aggregate notices updated to a server maintained by the institute and segregate the obtained notices.
- The app will enable saving of notices to local database for offline reading. This is in case a notice that may require further reading
- The system will provide interaction with the native calendar app to enable the setting of reminders and alarms.
- The app would also provide a view of the user's library transactions and class schedule.



Requirement Specification

- **Domain Description:**

This app would primarily be designed for an institute for effective communication with its students.

- **Problem Definition:**

In a world where communication is key, one must always look for the easiest ways of effective communication that serves the need of both the parties. In that respect, as soon as one enters college one realises that effective communication is very limited. Gone are the school days where each one gets a copy of the notice to be taken home, or class announcements for everyone to hear. In college one must either keep an ear out for the news or be on the losing end. This becomes a greater daunting task when the notices themselves are not aggregated in a single place but spread throughout the campus.

While emails may be a possible solution for the above problem, they are not free from errors themselves. The biggest problem with emails is that bulk mails are often segregated out as spam. Moreover, with one inbox and many mailing parties, both personal and institutional, not to forget the spams, it overwhelms the user with information and makes it difficult for them to keep track of what is really important and what might be a general circular.

- **Functional Requirements:**

What is required, therefore is a hub that aims to solve all the above problems, while keeping the important segregated from the filler. Addition of extra features is always welcomed.

- **Hardware /Software Requirements**

Hardware requirement:

- **Client side:** An android phone. Kitkat and above are supported. Lollipop and above are recommended.
- **Server side:** A database server that would hold the notices.

- **Software requirements:**

- **Client side:** The app itself, installed on the android phone
- **Server Side:** a well-designed JSON server that can accept communication through URLs

Database Design

Database Name: BookmarkedItems

Design:

ID (primary key)	HEADER	DATE	BODY	URGENT
VARCHAR(20)	TEXT	TEXT	TEXT	INTEGER

Description:

This is the only database in the system for the time being. Its purpose is to contain the notices that have been bookmarked for offline reading. It consists of 5 columns named, ID, HEADER, DATE, BODY and URGENT.

Column description:

ID: The ID contains a unique key that is generated by the program based on the notice header, date of issue and the body of the notice. It is taken as varchar (20) because it is of a predefined length. The key is generated using the following simple algorithm:

```
noticekey =  
h.substring(0,1)+(Integer.toString(h.length()))+d.substring(0,1)+Integer.toString(d.length())+(b.substring(0,1)+(Integer.toString(h.length())));
```

where h, d and b are String variables that contain the header, date of issue and the body of the message, respectively. The 'noticekey' itself is a String type variable as well.

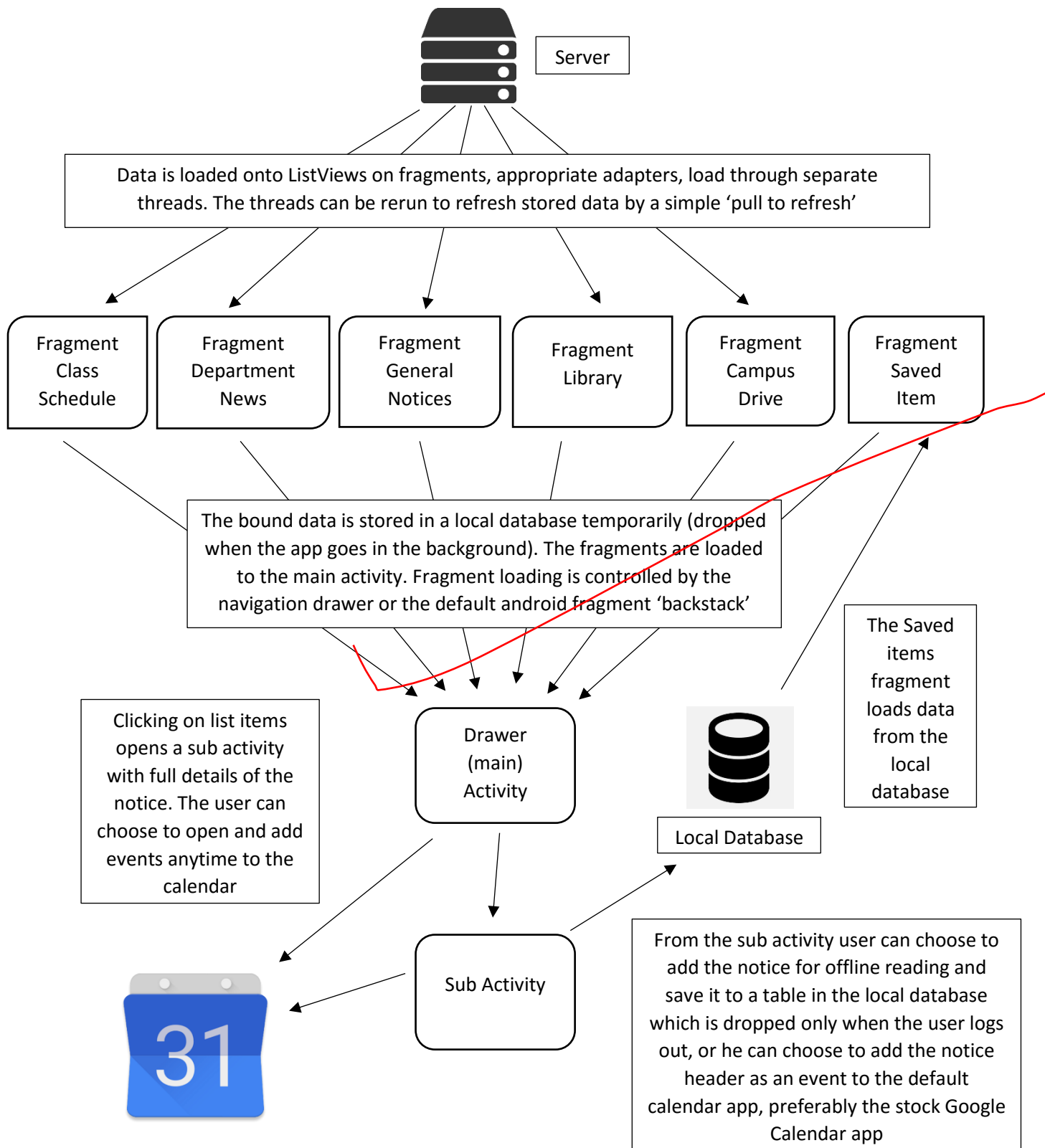
HEADER: The header contains the header of the message.

BODY: This contains the body of the message

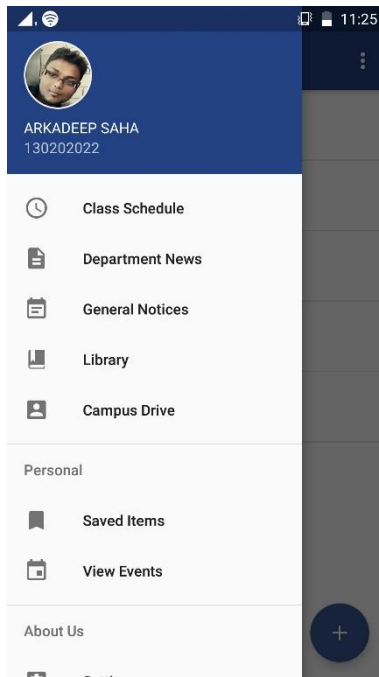
DATE: This contains the date of the body in string format.

URGENT: This integer value parameter defines whether a message is urgent or not. Any message with any URGENT value apart from 0 will automatically be treated as urgent.

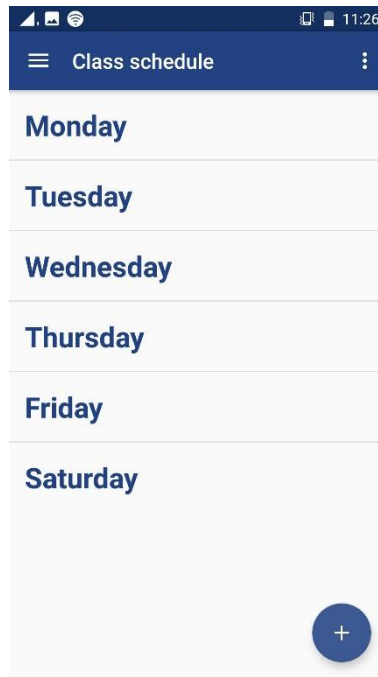
Application Work Flow



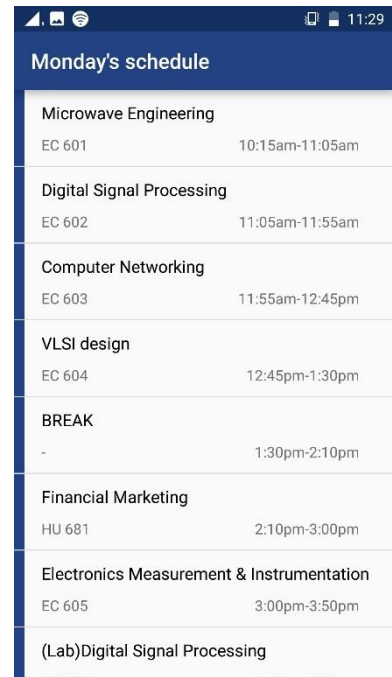
Screenshots



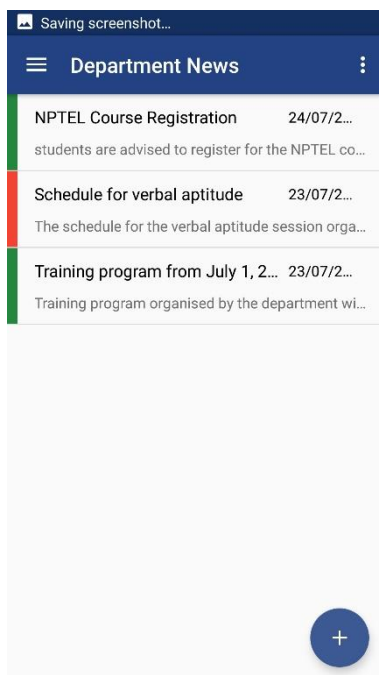
The Navigation Drawer



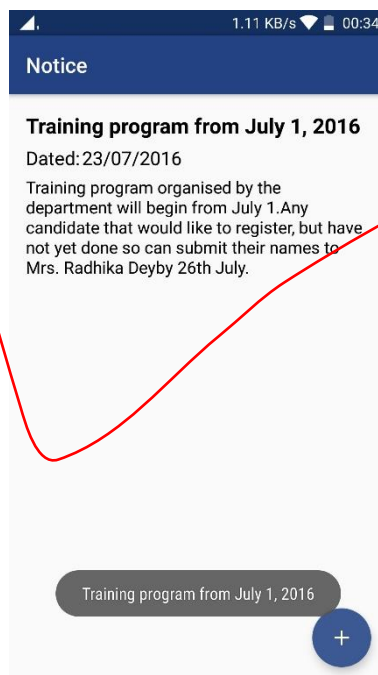
Class Schedule section



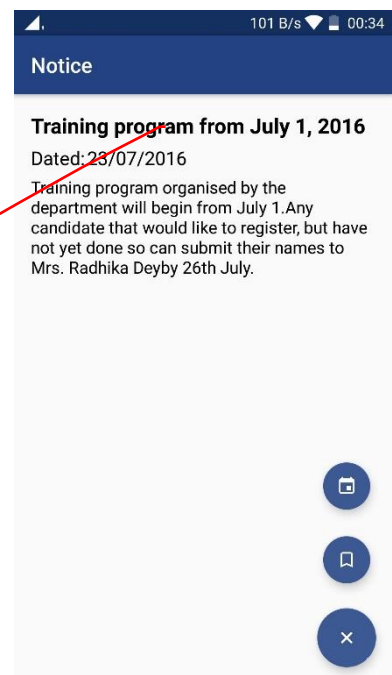
Monday's schedule filled with static data.



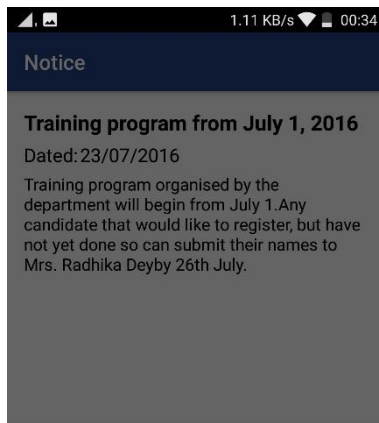
Department news (Filled with static, dummy data). General notices, campus drive and saved items section have the exact same layout.



Opening any of the notices brings us to this screen. This layout is also same for all the aforementioned sections



The FAB shows 2 other mini FABs. The first one opens the default calendar and adds the title to the 'Event Name' section. The Second FAB bookmarks the notice for offline reading



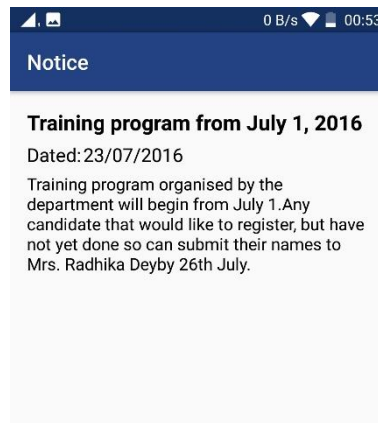
31 Complete action using Calendar

JUST ONCE ALWAYS

Use a different app

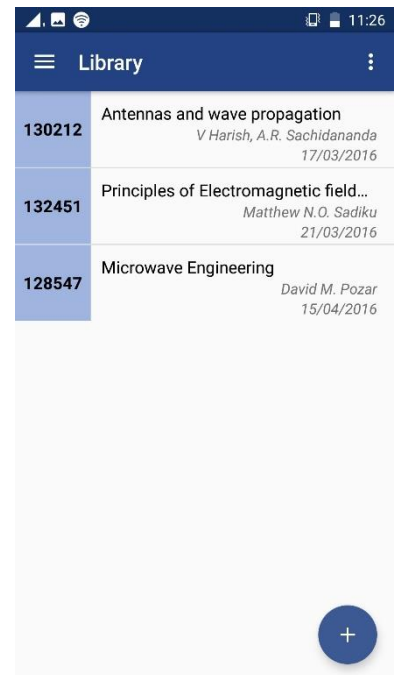
 Sunrise

In case of multiple calendars, the user is given a choice to select a calendar. We recommend using the stock calendar.

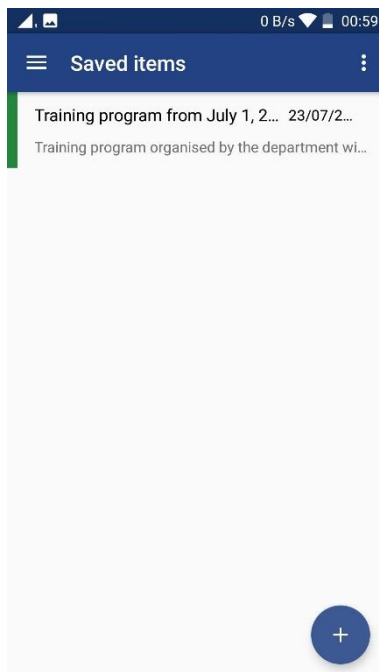


Notice Bookmarked

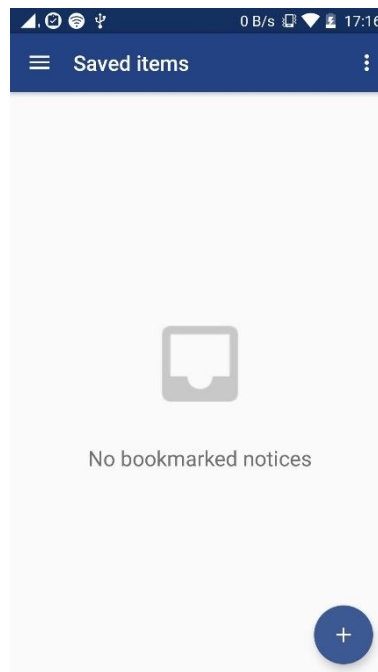
The second mini FAB adds the notice to the local database for offline reading.



The Library section. Shows the book id and date of issue. (Static data)



Bookmarked notices section with a notice bookmarked (dynamically obtained from database)



The bookmarked notices section when no notices are bookmarked

Future Scope of Improvements

The future scope of improvement for the project is immense. Stated as follows are some of the features that we had identified, but could not implement given the time constraint and lack of a working back end.

- Incorporating a digital library that would enable the students to browse through and check availability of books in the library.
- Enable reissuing of issued books through the app itself (though this should to be limited to one book at a time and only up to a set number of reissues in a given semester)
- Enabling real-time notifications of new notices and class schedule updates
- Addition of an extra section named 'Exam Corner' that would keep track of the user's academic performance by fetching data from a server and provide links to results and exam schedules
- Enhancement in UI and more 'Material Design' integration
- Bug fixes

Code

Classes:

```
package com.astr.collegecompanion;

import android.os.Bundle;
import android.support.v7.app.AppCompatActivity;

public class ActivityAbout extends AppCompatActivity
{
    @Override
    protected void onCreate(Bundle savedInstanceState)
    {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_about);
        getSupportActionBar().setTitle("Meet the team");
    }
}

*****
package com.astr.collegecompanion;

import android.content.Intent;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.widget.ListView;

import java.util.ArrayList;

public class ActivityDaySchedule extends AppCompatActivity
{
    ListView lv_onclickday;
    ArrayList<DayScheduleDatabase> subjects=new ArrayList<DayScheduleDatabase>();
    @Override
    protected void onCreate(Bundle savedInstanceState)
    {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_class_schedule);

        lv_onclickday=(ListView) findViewById(R.id.lv_onclickday);

        //Adding static data to ListView
        DayScheduleDatabase n1 = new DayScheduleDatabase();
        n1.subject_name="Microwave Engineering";
        n1.subject_code="EC 601";
        n1.timing="10:15am-11:05am";
        subjects.add(n1);

        DayScheduleDatabase n2 = new DayScheduleDatabase();
        n2.subject_name="Digital Signal Processing";
        n2.subject_code="EC 602";
        n2.timing="11:05am-11:55am";
        subjects.add(n2);

        DayScheduleDatabase n3 = new DayScheduleDatabase();
        n3.subject_name="Computer Networking";
        n3.subject_code="EC 603";
        n3.timing="11:55am-12:45pm";
        subjects.add(n3);

        DayScheduleDatabase n4 = new DayScheduleDatabase();
```

```

n4.subject_name="VLSI design";
n4.subject_code="EC 604";
n4.timing="12:45pm-1:30pm";
subjects.add(n4);

DayScheduleDatabase n5 = new DayScheduleDatabase();
n5.subject_name="BREAK";
n5.subject_code="-";
n5.timing="1:30pm-2:10pm";
subjects.add(n5);

DayScheduleDatabase n6 = new DayScheduleDatabase();
n6.subject_name="Financial Marketing";
n6.subject_code="HU 681";
n6.timing="2:10pm-3:00pm";
subjects.add(n6);

DayScheduleDatabase n7 = new DayScheduleDatabase();
n7.subject_name="Electronics Measurement & Instrumentation";
n7.subject_code="EC 605";
n7.timing="3:00pm-3:50pm";
subjects.add(n7);

DayScheduleDatabase n8 = new DayScheduleDatabase();
n8.subject_name="(Lab)Digital Signal Processing";
n8.subject_code="EC 692";
n8.timing="3:50pm-4:40pm";
subjects.add(n8);

DayScheduleDatabase n9 = new DayScheduleDatabase();
n9.subject_name="(Lab)Digital Signal Processing";
n9.subject_code="EC 692";
n9.timing="4:40pm-5:30pm";
subjects.add(n9);

AdapterDaySchedule adapter = new
AdapterDaySchedule(ActivityDaySchedule.this, subjects);

lv_onclickday.setAdapter(adapter);

Intent get_from_fragments = getIntent();
String appBar=get_from_fragments.getStringExtra("dayname");
getSupportActionBar().setTitle(appBar+"s schedule");
}
}
*****
package com.astr.collegecompanion;

import android.content.Intent;
import android.content.SharedPreferences;
import android.os.Bundle;
import android.support.v7.app.AppCompatActivity;
import android.text.Editable;
import android.text.TextWatcher;
import android.text.method.HideReturnsTransformationMethod;
import android.text.method.PasswordTransformationMethod;
import android.view.View;
import android.widget.Button;
import android.widget.CheckBox;
import android.widget.CompoundButton;
import android.widget.EditText;
import android.widget.Toast;

```

```

/**
 * A login screen that offers login via email/password.
 */
public class ActivityLogin extends AppCompatActivity
{
    private EditText etxt_university_roll, etxt_password;
    private Button btn_sign_in;
    private CheckBox ch_show_password, ch_remember_me;

    private SharedPreferences loginPreferences;
    private SharedPreferences.Editor loginPrefsEditor;
    private Boolean saveLogin;

    @Override
    protected void onCreate(Bundle savedInstanceState)
    {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_login);

        // Set up the login form.
        etxt_password = (EditText) findViewById(R.id.etxt_password);
        etxt_university_roll = (EditText) findViewById(R.id.etxt_university_roll);

        //set up clickable objects
        btn_sign_in = (Button) findViewById(R.id.btn_sign_in);

        //set up check boxes
        ch_remember_me = (CheckBox) findViewById(R.id.ch_remember_me);
        ch_show_password = (CheckBox) findViewById(R.id.ch_show_password);

        //Fetching shared preferences
        loginPreferences = getSharedPreferences("loginPrefs", MODE_PRIVATE);
        saveLogin = loginPreferences.getBoolean("saveLogin", false);

        //checking is Shared preference is present
        if (saveLogin) //if present then perform auto login
        {
            etxt_university_roll.setText(loginPreferences.getString("username",
""));
            etxt_password.setText(loginPreferences.getString("password", ""));
            ch_remember_me.setChecked(true);
            attemptLogin();
        }

        //else register listeners for the clickable, checkable items and text UI
        objects
        try
        {
            etxt_password.addTextChangedListener(watch_password);
            etxt_university_roll.addTextChangedListener(watch_universityroll);

            btn_sign_in.setOnClickListener(click_sign_in);

            ch_show_password.setOnCheckedChangeListener(check_show_password);
        }
        catch (Exception e)
        {
            Toast.makeText(getApplicationContext(), e.getMessage(),

```

```

Toast.LENGTH_LONG).show();
    }
}

View.OnClickListener click_sign_in = new View.OnClickListener()
{
    @Override
    public void onClick(View v)
    {
        if (etxt_university_roll.getText().toString().equals(""))
        {
            etxt_university_roll.setError("Required Field");
            etxt_university_roll.requestFocus();
        }
        else if (etxt_university_roll.getText().toString().length() != 9)
        {
            etxt_university_roll.setError("Invalid Roll");
            etxt_university_roll.requestFocus();
        }
        else if (etxt_password.getText().toString().equals(""))
        {
            etxt_password.setError("Required Field");
            etxt_university_roll.requestFocus();
        }
        else
        {
            attemptLogin();
        }
    }
};

TextWatcher watch_password = new TextWatcher()
{
    @Override
    public void beforeTextChanged(CharSequence s, int start, int count, int
after)
    {
    }

    @Override
    public void onTextChanged(CharSequence s, int start, int before, int count)
    {
    }

    @Override
    public void afterTextChanged(Editable editable)
    {
        if (etxt_password.getText().toString().equals(""))
        {
            etxt_password.setError("Required Field");
            etxt_password.requestFocus();
        }
    }
};

TextWatcher watch_universityroll = new TextWatcher()
{
    @Override

```



```

    public void beforeTextChanged(CharSequence s, int start, int count, int
after)
    {

    }

    @Override
    public void onTextChanged(CharSequence s, int start, int before, int count)
    {
        if (etxt_university_roll.getText().toString().length()>9)
        {
            etxt_university_roll.setError("Invalid Roll");
            etxt_university_roll.requestFocus();
        }

    }

    @Override
    public void afterTextChanged(Editable editable)
    {
        if (etxt_university_roll.getText().toString().equals(""))
        {
            etxt_university_roll.setError("Required Field");
            etxt_university_roll.requestFocus();
        }
    }
};

private void attemptLogin()
{
    //before attempting login, set the errors to null
    etxt_university_roll.setError(null);
    etxt_password.setError(null);

    //performing static login
    if(etxt_university_roll.getText().toString().equals("130202022") &&
etxt_password.getText().toString().equals("131230110175")
    || etxt_university_roll.getText().toString().equals("130202111") &&
etxt_password.getText().toString().equals("131230110264"))
    {
        Toast.makeText(getApplicationContext(), "Login
Successful", Toast.LENGTH_LONG).show();

        //checking to see if remember me is checked
        //if checked shared preferences are created
        if(ch_remember_me.isChecked())
        {
            loginPrefsEditor = loginPreferences.edit();
            loginPrefsEditor.putBoolean("saveLogin", true);
            loginPrefsEditor.putString("username",
etxt_university_roll.getText().toString());
            loginPrefsEditor.putString("password",
etxt_password.getText().toString());
            loginPrefsEditor.commit();
        }
        Intent switch_to_main = new
Intent(getApplicationContext(), ActivityMain.class);
        switch_to_main.putExtra("password",
etxt_password.getText().toString());
        switch_to_main.putExtra("universityroll",

```

```

etxt_university_roll.getText().toString());
        startActivity(switch_to_main);
        finish();
    }
    else
    {
        Toast.makeText(getApplicationContext(),"Login Unsuccessful. Invalid
roll number and password combination",Toast.LENGTH_LONG).show();
    }
}

CheckBox.OnCheckedChangeListener check_show_password = new
CompoundButton.OnCheckedChangeListener()
{
    @Override
    public void onCheckedChanged(CompoundButton buttonView, boolean isChecked)
    {
        if(!isChecked)
        {

etxt_password.setTransformationMethod(PasswordTransformationMethod.getInstance());
etxt_password.setSelection(etxt_password.getText().length());
        }
        else
        {

etxt_password.setTransformationMethod(HideReturnsTransformationMethod.getInstance()
);
etxt_password.setSelection(etxt_password.getText().length());
        }
    }
};
}

*****

package com.astr.collegecompanion;

import android.content.Intent;
import android.content.SharedPreferences;
import android.net.Uri;
import android.os.Bundle;
import android.provider.CalendarContract;
import android.support.design.widget.FloatingActionButton;
import android.support.design.widget.NavigationView;
import android.support.v4.app.FragmentManager;
import android.support.v4.app.FragmentTransaction;
import android.support.v4.view.GravityCompat;
import android.support.v4.widget.DrawerLayout;
import android.support.v7.app.ActionBarDrawerToggle;
import android.support.v7.app.AppCompatActivity;
import android.support.v7.widget.Toolbar;
import android.view.Menu;
import android.view.MenuItem;
import android.view.View;
import android.widget.TextView;
import android.widget.Toast;

import com.mikhaellopez.circularimageview.CircularImageView;

import java.util.Calendar;

```

```

import java.util.Date;
import java.util.GregorianCalendar;

public class ActivityMain extends AppCompatActivity implements
NavigationView.OnNavigationItemSelectedListener
{

    String universityroll;

    int year;

    @Override
    protected void onCreate(Bundle savedInstanceState)
    {

        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        Intent get_from_previous = getIntent();
        universityroll = get_from_previous.getStringExtra("universityroll");

        //initialising the toolbar
        Toolbar toolbar = (Toolbar) findViewById(R.id.toolbar);
        setSupportActionBar(toolbar);

        //initialising fab
        FloatingActionButton fab = (FloatingActionButton) findViewById(R.id.fab);
        fab.setOnClickListener(click); //setting up an action listener for fab

        //initialising drawer
        DrawerLayout drawer = (DrawerLayout) findViewById(R.id.drawer_layout);

        ActionBarDrawerToggle toggle = new ActionBarDrawerToggle(this, drawer,
toolbar, R.string.navigation_drawer_open, R.string.navigation_drawer_close);
drawer.setDrawerListener(toggle);
toggle.syncState();

        //initialising the navigation menu
        NavigationView navigationView = (NavigationView)
findViewById(R.id.nav_view);
navigationView.setNavigationItemSelectedListener(this);

        //Static checking of login credentials
        if (universityroll.equals("130202022"))
        {
            View headerLayout = navigationView.getHeaderView(0);
            TextView txt_universityroll =
(TextView)headerLayout.findViewById(R.id.txt_universityroll);
            TextView txt_name=(TextView)headerLayout.findViewById(R.id.txt_name);
            CircularImageView circularImageView =
(CircularImageView)headerLayout.findViewById(R.id.img_profile);
            circularImageView.setImageResource(R.drawable.ic_as);
            circularImageView.setBorderWidth(5);
            txt_universityroll.setText(universityroll);
            txt_name.setText("ARKADEEP SAHA");
            year=4;
        }
        else if (universityroll.equals("130202111"))
        {
            View headerLayout = navigationView.getHeaderView(0);
            TextView txt_universityroll =
(TextView)headerLayout.findViewById(R.id.txt_universityroll);
            TextView txt_name=(TextView)headerLayout.findViewById(R.id.txt_name);
            CircularImageView circularImageView =

```

```

(CircularImageView)headerLayout.findViewById(R.id.img_profile);
    circularImageView.setImageResource(R.drawable.ic_tr);
    circularImageView.setBorderWidth(5);
    txt_universityroll.setText(universityroll);
    txt_name.setText("TUHIN ROY");
    year=3;
}
loadDefault();
}

@Override
public void onBackPressed()
{
    DrawerLayout drawer = (DrawerLayout) findViewById(R.id.drawer_layout);
    if (drawer.isDrawerOpen(GravityCompat.START))
    {
        drawer.closeDrawer(GravityCompat.START);
    }
    else
    {
        super.onBackPressed();
    }
}

//Should be filled and implemented by the loaded fragment
@Override
public boolean onCreateOptionsMenu(Menu menu)
{
    // Inflate the menu; this adds items to the action bar if it is present.
    getMenuInflater().inflate(R.menu.main, menu);
    return true;
}

@Override
public boolean onOptionsItemSelected(MenuItem item)
{
    int id = item.getItemId();

    //choosing action
    if (id == R.id.action_feedback)
    {
        Intent open_email = new Intent(Intent.ACTION_SENDTO,
Uri.parse("mailto:" + "arkadeepsahall@gmail.com"));
        open_email.putExtra(Intent.EXTRA_SUBJECT, "Hey, I've been using your
app for some time, and have something to say");
        startActivity(open_email);
        return true;
    }

    return super.onOptionsItemSelected(item);
}

@SuppressWarnings ("StatementWithEmptyBody")
@Override
public boolean onNavigationItemSelected(MenuItem item)
{
    int id = item.getItemId();

    if (id == R.id.nav_class_schedule)
    {
        getSupportActionBar().setTitle("Class schedule");
        FragmentManager mgr = getSupportFragmentManager();
        FragmentTransaction trans = mgr.beginTransaction();
        FragmentClassSchedule frag = new FragmentClassSchedule();
        trans.replace(R.id.main_content_frame, frag);

```

```

        trans.addToBackStack(null);
        trans.commit();
    }
    else if (id == R.id.nav_department_news)
    {
        getSupportActionBar().setTitle("Department News");
        FragmentManager mgr = getSupportFragmentManager();
        FragmentTransaction trans = mgr.beginTransaction();
        FragmentDepartmentNews frag = new FragmentDepartmentNews();
        trans.replace(R.id.main_content_frame, frag);
        trans.addToBackStack(null);
        trans.commit();
    }
    else if (id == R.id.nav_general_notices)
    {
        getSupportActionBar().setTitle("General Notices");
        FragmentManager mgr = getSupportFragmentManager();
        FragmentTransaction trans = mgr.beginTransaction();
        FragmentGeneralNotices frag = new FragmentGeneralNotices();
        trans.replace(R.id.main_content_frame, frag);
        trans.addToBackStack(null);
        trans.commit();
    }
    else if (id == R.id.nav_library)
    {
        getSupportActionBar().setTitle("Library");
        FragmentManager mgr = getSupportFragmentManager();
        FragmentTransaction trans = mgr.beginTransaction();
        FragmentLibrary frag = new FragmentLibrary();
        trans.replace(R.id.main_content_frame, frag);
        trans.addToBackStack(null);
        trans.commit();
    }

    else if (id == R.id.nav_campus_drive)
    {
        if(year==4)
        {
            getSupportActionBar().setTitle("Campus drive");
            FragmentManager mgr = getSupportFragmentManager();
            FragmentTransaction trans = mgr.beginTransaction();
            FragmentCampusDrive frag = new FragmentCampusDrive();
            trans.replace(R.id.main_content_frame, frag);
            trans.addToBackStack(null);
            trans.commit();
        }
        else
        {
            Toast.makeText(getApplicationContext(), "This section is available
only for students of final year", Toast.LENGTH_LONG).show();
        }
    }
    else if (id == R.id.nav_events)
    {
        Calendar cal = new GregorianCalendar();
        cal.setTime(new Date());
        long time = cal.getTime().getTime();
        Uri.Builder builder = CalendarContract.CONTENT_URI.buildUpon();
        builder.appendPath("time");
        builder.appendPath(Long.toString(time));
        Intent intent = new Intent(Intent.ACTION_VIEW, builder.build());
        startActivity(intent);
    }
    else if (id == R.id.nav_saved_items)

```

```

{
    getSupportActionBar().setTitle("Saved Items");
    FragmentManager mgr = getSupportFragmentManager();
    FragmentTransaction trans = mgr.beginTransaction();
    FragmentSavedItems frag = new FragmentSavedItems();
    trans.replace(R.id.main_content_frame, frag);
    trans.addToBackStack("6");
    trans.commit();
}
else if (id == R.id.nav_settings)
{
    Intent switch_to_settings = new
Intent(getApplicationContext(), SettingsScreenActivity.class);
    startActivity(switch_to_settings);
}
else if (id == R.id.nav_about)
{
    Intent switch_to_about = new Intent(getApplicationContext(),
ActivityAbout.class);
    startActivity(switch_to_about);
}
else if (id == R.id.nav_logout)
{
    SharedPreferences loginPreferences;
    SharedPreferences.Editor loginPrefsEditor;
    loginPreferences = getSharedPreferences("loginPrefs", MODE_PRIVATE);
    loginPrefsEditor = loginPreferences.edit();
    loginPrefsEditor.putBoolean("saveLogin", false);
    loginPrefsEditor.putString("username", "");
    loginPrefsEditor.putString("password", "");
    loginPrefsEditor.commit();
    this.deleteDatabase("BookmarkedItems");
    Intent logout = new Intent(getApplicationContext(),
ActivityLogin.class);
    startActivity(logout);
    finish();
}
DrawerLayout drawer = (DrawerLayout) findViewById(R.id.drawer_layout);
drawer.closeDrawer(GravityCompat.START);
return true;
}
View.OnClickListener click = new View.OnClickListener()
{
    @Override
    public void onClick(View view)
    {
        Intent intent = new Intent(Intent.ACTION_INSERT,
CalendarContract.Events.CONTENT_URI);
        startActivity(intent);
    }
};

Void loadDefault()
{
    FragmentManager mgr = getSupportFragmentManager();
    FragmentTransaction trans = mgr.beginTransaction();
    FragmentClassSchedule frag = new FragmentClassSchedule();
    trans.replace(R.id.main_content_frame, frag);
    trans.commit();
    return null;
}
}
*****

```

```

package com.astr.collegecompanion;

import android.app.Activity;
import android.content.Intent;
import android.os.AsyncTask;
import android.os.Bundle;

public class ActivitySplash extends Activity
{
    @Override
    protected void onCreate(Bundle savedInstanceState)
    {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_splash);
        new mythread().execute();
    }

    class mythread extends AsyncTask<Void,Void,Void>
    {
        @Override
        protected void onPostExecute(Void aVoid)
        {
            super.onPostExecute(aVoid);
            Intent intent=new Intent(getApplicationContext(),ActivityLogin.class);
            startActivity(intent);
            finish();
        }

        @Override
        protected Void doInBackground(Void... params)
        {
            try
            {
                Thread.sleep(1500);
            }
            catch (Exception exp)
            {
            }
            return null;
        }
    }
}
*****

```

```

package com.astr.collegecompanion;

import android.content.Intent;
import android.os.Bundle;
import android.provider.CalendarContract;
import android.support.design.widget.FloatingActionButton;
import android.support.v7.app.AppCompatActivity;
import android.support.v7.widget.Toolbar;
import android.util.Log;
import android.view.View;
import android.view.animation.Animation;
import android.view.animation.AnimationUtils;
import android.widget.TextView;
import android.widget.Toast;

import java.util.Calendar;
import java.util.GregorianCalendar;

public class ActivitySub extends AppCompatActivity

```

```

{

    Boolean isFabOpen = false;
    Animation fab_open, fab_close, rotate_forward, rotate_backward;
    FloatingActionButton fab, fab1, fab2;

    String h,b,d;
    int u;

    TextView head,body,dated;

    String noticekey;

    DatabaseHandler db;

    @Override
    protected void onCreate(Bundle savedInstanceState)
    {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_sub);
        Toolbar toolbar = (Toolbar) findViewById(R.id.toolbar);
        setSupportActionBar(toolbar);

        getSupportActionBar().setDisplayHomeAsUpEnabled(false);
        getSupportActionBar().setTitle("Notice");

        head=(TextView) findViewById(R.id.header);
        body=(TextView) findViewById(R.id.body);
        dated=(TextView) findViewById(R.id.date);
        fab = (FloatingActionButton) findViewById(R.id.fab);
        fab1 = (FloatingActionButton) findViewById(R.id.fab_later);
        fab2 = (FloatingActionButton) findViewById(R.id.fab_event);

        fab.setOnClickListener(click_fab);
        fab1.setOnClickListener(click_fab_later);
        fab2.setOnClickListener(click_fab_event);

        Intent get_from_fragment = getIntent();
        h = get_from_fragment.getStringExtra("head");
        b = get_from_fragment.getStringExtra("body");
        d = get_from_fragment.getStringExtra("date");
        u = get_from_fragment.getIntExtra("urgent",1);

        head.setText(h);
        body.setText(b);
        dated.setText(d);
        noticekey =
h.substring(0,1)+(Integer.toString(h.length()))+d.substring(0,1)+Integer.toString(d
.length())+
                (b.substring(0,1))+(Integer.toString(h.length()));

        //defining animations
        fab_open = AnimationUtils.loadAnimation(getApplicationContext(),
R.anim.fab_open);
        fab_close =
AnimationUtils.loadAnimation(getApplicationContext(),R.anim.fab_close);
        rotate_forward =
AnimationUtils.loadAnimation(getApplicationContext(),R.anim.rotate_forward);
        rotate_backward =
AnimationUtils.loadAnimation(getApplicationContext(),R.anim.rotate_backward);

        db = new DatabaseHandler(getApplicationContext());

```



```

        if(db.checkPresent(noticekey)==1)
        {
            fab1.setImageResource(R.drawable.ic_bookmark_white_48dp);
        }
        else
        {
            fab1.setImageResource(R.drawable.ic_bookmark_border_white_48dp);
        }
    }

    View.OnClickListener click_fab = new View.OnClickListener()
    {
        @Override
        public void onClick(View v)
        {
            animateFAB();
        }
    };

    View.OnClickListener click_fab_event = new View.OnClickListener()
    {
        @Override
        public void onClick(View v)
        {
            Calendar cal = new GregorianCalendar();
            Intent intent = new Intent(Intent.ACTION_INSERT);
            intent.setData(CalendarContract.Events.CONTENT_URI);
            intent.putExtra(CalendarContract.Events.TITLE, h);
            startActivity(intent);
        }
    };

    public void animateFAB()
    {
        if(isFabOpen)
        {
            fab.startAnimation(rotate_backward);
            fab1.startAnimation(fab_close);
            fab2.startAnimation(fab_close);
            fab1.setClickable(false);
            fab2.setClickable(false);
            isFabOpen = false;
            Log.d("Raj", "close");
        }
        else
        {
            fab.startAnimation(rotate_forward);
            fab1.startAnimation(fab_open);
            fab2.startAnimation(fab_open);
            fab1.setClickable(true);
            fab2.setClickable(true);
            isFabOpen = true;
            Log.d("Raj", "open");
        }
    }

    @Override
    public void onBackPressed()
    {

```

```

        if (isFabOpen)
        {
            animateFAB();
        }
        else
        {
            super.onBackPressed();
        }
    }

    View.OnClickListener click_fab_later = new View.OnClickListener()
    {
        @Override
        public void onClick(View v)
        {
            addToBookmark();
        }
    };

    Void addToBookmark()
    {
        if(db.checkPresent(noticekey)==1)
        {
            fab1.setImageResource(R.drawable.ic_bookmark_border_white_48dp);
            Toast.makeText(getApplicationContext(), "Bookmarked Notice
Deleted", Toast.LENGTH_SHORT).show();

            SavedItemsDataset deleteitem = new SavedItemsDataset();
            deleteitem.setKey(noticekey);
            deleteitem.setHeader(h);
            deleteitem.setDate(b);
            deleteitem.setBody(d);
            deleteitem.setUrgent(u);
            db.deleteItem(deleteitem);
        }
        else
        {
            fab1.setImageResource(R.drawable.ic_bookmark_white_48dp);
            Toast.makeText(getApplicationContext(), "Notice
Bookmarked", Toast.LENGTH_SHORT).show();

            SavedItemsDataset newaddition = new SavedItemsDataset();
            newaddition.setKey(noticekey);
            newaddition.setHeader(h);
            newaddition.setDate(b);
            newaddition.setBody(d);
            newaddition.setUrgent(u);
            db.addItem(newaddition);
        }
        return null;
    }
}

*****

package com.astr.collegecompanion;

import android.app.Activity;
import android.graphics.Color;
import android.graphics.drawable.ColorDrawable;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;

```

```

import android.widget.AdapterView;
import android.widget.ImageView;
import android.widget.TextView;

import java.util.ArrayList;

/**
 * Created by Tuhin Roy on 7/26/2016.
 */
public class AdapterCampusDrive extends ArrayAdapter<CampusdriveDataset>
{
    Activity context;
    ArrayList<CampusdriveDataset> campussingnotice;

    //This is the constructor of the class
    public AdapterCampusDrive(Activity context, ArrayList<CampusdriveDataset>
objects)
    {
        super(context, R.layout.row_campusdrive, objects);
        /*so now we need to pass these information to the base class so that it
knows what we are up to
        *along with the name of the layout file that we intend to use for each row
of the custom list
        *in a way by doing this we initialise the ArrayAdapter Class
        */
        this.context=context;
        this.campussingnotice=objects;
    }

    @Override
    public View getView(int position, View convertView, ViewGroup parent)
    {
        LayoutInflater inflater=context.getLayoutInflater();
        View v=inflater.inflate(R.layout.row_campusdrive,null,true);

        TextView txtheader=(TextView)v.findViewById(R.id.txt_newsheader);
        TextView txttime=(TextView)v.findViewById(R.id.txt_newsdate);
        TextView txtbody = (TextView)v.findViewById(R.id.txt_newsbody);
        ImageView urgency=(ImageView)v.findViewById(R.id.urgency);
        //We use v.findViewById because v is the reference to the XML file
item_product

        //since we are working with a class we have defined ourselves in this
project, we need to define an object of the class
        CampusdriveDataset campussingnotice_adapter = new CampusdriveDataset();

        campussingnotice_adapter = campussingnotice.get(position);//?

        txtheader.setText(campussingnotice_adapter.header);
        txttime.setText(campussingnotice_adapter.date);
        txtbody.setText(campussingnotice_adapter.body);

        if(campussingnotice_adapter.urgent!=1)
        {
            urgency.setBackground(new ColorDrawable(Color.parseColor("#009688")));
        }

        //we return this completed view
        return v;
    }
}
*****

```

```

package com.astr.collegecompanion;

import android.app.Activity;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.AdapterView;
import android.widget.AdapterView.OnItemClickListener;
import android.widget.TextView;

import java.util.ArrayList;

/**
 * Created by Tuhin Roy on 7/26/2016.
 */
public class AdapterClassSchedule extends ArrayAdapter<ClassScheduleDataset>
{
    Activity context;
    ArrayList<ClassScheduleDataset> products;

    //This is the constructor of the class
    public AdapterClassSchedule(Activity context, ArrayList<ClassScheduleDataset>
objects)
    {
        /*The ArrayList<Products> basically defines an object named 'objects' of
the ArrayList<Products> type
        *It contains the variables that have been wrapped in the Product class
        */
        super(context, R.layout.row_classschedule, objects);
        /*so now we need to pass these information to the base class so that it
knows what we are up to
        *along with the name of the layout file that we intend to use for each row
of the custom list
        *in a way by doing this we initialise the ArrayAdapter Class
        */
        this.context=context;
        this.products=objects;
    }

    @Override
    public View getView(int position, View convertView, ViewGroup parent)
    {
        /*Now that we have passed the required stuff to the CustomArrayAdapter
Class, we need to tell it how
        * to arrange those stuff in our layout.
        * To do that we use the getView method*/

        LayoutInflater inflater=context.getSystemService(Context.LAYOUT_INFLATER_SERVICE).getLayoutInflater();
        View v=inflater.inflate(R.layout.row_classschedule, null, true);
        /*Converts an XML file item_product into its Views*/

        /*So now that we have the layout views at hand, we can start
        *linking variables to the XML elements in that layout
        */
        TextView txtdayname=(TextView)v.findViewById(R.id.txt_dayname);

        //We use v.findViewById because v is the reference to the XML file
item_product

        //since we are working with a class we have defined ourselves in this
project, we need to define an object of the class
        ClassScheduleDataset p = new ClassScheduleDataset();

```

```

        p = products.get(position); //?

        //we initialise the layout items in the XML files by using the variables in
        class Products through the object of the class, namely p
        txtdayname.setText(p.dayname);

        //we return this completed view
        return v;
    }
}
*****

package com.astr.collegecompanion;

import android.app.Activity;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.ArrayAdapter;
import android.widget.TextView;
import java.util.ArrayList;

/**
 * Created by Tuhin Roy on 7/28/2016.
 */
public class AdapterDaySchedule extends ArrayAdapter<DayScheduleDatabase>
{
    Activity context;
    ArrayList<DayScheduleDatabase> day;

    //This is the constructor of the class
    public AdapterDaySchedule(Activity context, ArrayList<DayScheduleDatabase>
objects)
    {
        super(context, R.layout.row_onclickday, objects);
        this.context = context;
        this.day = objects;
    }

    @Override
    public View getView(int position, View convertView, ViewGroup parent)
    {
        LayoutInflater inflater=context.getLayoutInflater();
        View v=inflater.inflate(R.layout.row_onclickday,null,true);

        TextView txtsubjectname=(TextView)v.findViewById(R.id.txt_subjectname);
        TextView txttiming=(TextView)v.findViewById(R.id.txt_timing);
        TextView txtsubjectcode=(TextView)v.findViewById(R.id.txt_subjectcode);

        DayScheduleDatabase days = new DayScheduleDatabase();

        days = day.get(position);

        txtsubjectname.setText(days.subject_name);
        txttiming.setText(days.timing);
        txtsubjectcode.setText(days.subject_code);

        return v;
    }
}
*****

package com.astr.collegecompanion;

```

```

import android.app.Activity;
import android.graphics.Color;
import android.graphics.drawable.ColorDrawable;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.ArrayAdapter;
import android.widget.ImageView;
import android.widget.TextView;

import java.util.ArrayList;

/**
 * Created by Arkadeep Saha on 7/25/2016.
 */
public class AdapterDepartmentNews extends ArrayAdapter<DepartmentNewsDataset>
{
    /*When the class CustomProductAdapter, our newly created class,
    extends class ArrayAdapter<Products>, CustomProductAdapter
    automatically has all variables and methods defined in class ArrayAdapter class
    (except private variable and methods). This means that we can modify the
    override function in ArrayAdapter class
    as we prefer to customize it.
    */

    Activity context;///?
    ArrayList<DepartmentNewsDataset> products;///?

    //This is the constructor of the class
    public AdapterDepartmentNews(Activity context, ArrayList<DepartmentNewsDataset>
objects)
    {
        /*The ArrayList<Products> basically defines an object named 'objects' of
        the ArrayList<Products> type
        *It contains the variables that have been wrapped in the Product class
        */
        super(context, R.layout.row_departmentnews, objects);
        /*so now we need to pass these information to the base class so that it
        knows what we are up to
        *along with the name of the layout file that we intend to use for each row
        of the custom list
        *in a way by doing this we initialise the ArrayAdapter Class
        */
        this.context=context;
        this.products=objects;
    }

    @Override
    public View getView(int position, View convertView, ViewGroup parent)
    {
        /*Now that we have passed the required stuff to the CustomArrayAdapter
        Class, we need to tell it how
        * to arrange those stuff in our layout.
        * To do that we use the getView method*/

        LayoutInflater inflater=context.getLayoutInflater();
        View v=inflater.inflate(R.layout.row_departmentnews,null,true);
        /*Converts an XML file item_product into its Views*/

        /*So now that we have the layout views at hand, we can start
        *linking variables to the XML elements in that layout
        */
        TextView txthead=(TextView)v.findViewById(R.id.txt_newsheader);
    }
}

```

```

        TextView txtdate=(TextView)v.findViewById(R.id.txt_newsdate);
        TextView txtbody=(TextView)v.findViewById(R.id.txt_newsbody);
        ImageView urgency=(ImageView)v.findViewById(R.id.urgency);
        //We use v.findViewById because v is the reference to the XML file
        item_product

        //since we are working with a class we have defined ourselves in this
        project, we need to define an object of the class
        DepartmentNewsDataset p = new DepartmentNewsDataset();

        p = products.get(position);//?

        //we initialise the layout items in the XML files by using the variables in
        class Products through the object of the class, namely p
        txtheader.setText(p.header);
        txtdate.setText(p.date);
        txtbody.setText(p.body);
        if(p.urgent!=1)
        {
            urgency.setBackground(new ColorDrawable(Color.parseColor("#009688")));
        }
        //we return this completed view
        return v;
    }
}

```

```
package com.astr.collegecompanion;
```

```

import android.app.Activity;
import android.graphics.Color;
import android.graphics.drawable.ColorDrawable;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.AdapterView;
import android.widget.AdapterView.OnItemClickListener;
import android.widget.ImageView;
import android.widget.TextView;

```

```
import java.util.ArrayList;
```

```
/**
```

```
 * Created by Tuhin Roy on 7/26/2016.
```

```
*/
```

```
public class AdapterGeneralNotices extends ArrayAdapter<GeneralNoticesDataset>
{
```

```
    Activity context;
```

```
    ArrayList<GeneralNoticesDataset> products;
```

```
    //This is the constructor of the class
```

```
    public AdapterGeneralNotices(Activity context, ArrayList<GeneralNoticesDataset>
objects)
```

```
    {
        super(context, R.layout.row_generalnotices, objects);
        this.context=context;
        this.products=objects;
    }

```

```
@Override
```

```
public View getView(int position, View convertView, ViewGroup parent)
```

```

    {
        LayoutInflater inflater=context.getLayoutInflater();
        View v=inflater.inflate(R.layout.row_generalnotices,null,true);
    }

```

```

TextView txthead=(TextView)v.findViewById(R.id.txt_newsheader);
TextView txtdate=(TextView)v.findViewById(R.id.txt_newsdate);
TextView txtbody=(TextView)v.findViewById(R.id.txt_newsbody);
ImageView urgency=(ImageView)v.findViewById(R.id.urgency);

GeneralNoticesDataset notices = new GeneralNoticesDataset();
notices = products.get(position);

//we initialise the layout items in the XML files by using the variables in
class Products through the object of the class, namely p
txthead.setText(notices.header);
txtdate.setText(notices.date);
txtbody.setText(notices.body);
if(notices.urgent!=1)
{
    urgency.setBackground(new ColorDrawable(Color.parseColor("#009688")));
}
//we return this completed view
return v;
}
}

```

```

package com.astr.collegecompanion;

import android.app.Activity;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.ArrayAdapter;
import android.widget.TextView;

import java.util.ArrayList;

/**
 * Created by Tuhin Roy on 7/26/2016.
 */
public class AdapterLibrary extends ArrayAdapter<LibraryDataset>
{
    Activity context;
    ArrayList<LibraryDataset> products;

    public AdapterLibrary(Activity context, ArrayList<LibraryDataset> objects)
    {
        super(context, R.layout.row_library, objects);
        this.context=context;
        this.products=objects;
    }

    @Override
    public View getView(int position, View convertView, ViewGroup parent)
    {
        LayoutInflater inflater=context.getLayoutInflater();
        View v=inflater.inflate(R.layout.row_library,null,true);

        TextView txtbookname=(TextView)v.findViewById(R.id.txt_bookname);
        TextView txtauthor=(TextView)v.findViewById(R.id.txt_author);
        TextView txtissuedate=(TextView) v.findViewById(R.id.txt_issuedate);
        TextView txtbookid=(TextView) v.findViewById(R.id.txt_bookid);

        LibraryDataset libAdapter = new LibraryDataset();

```



```

        libAdapter = products.get(position);

        txtbookname.setText(libAdapter.bookname);
        txtauthor.setText(libAdapter.author);
        txtissuedate.setText(libAdapter.issuedate);
        txtbookid.setText(libAdapter.bookid);

        return v;
    }
}
*****

package com.astr.collegecompanion;

import android.app.Activity;
import android.graphics.Color;
import android.graphics.drawable.ColorDrawable;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.AdapterView;
import android.widget.AdapterView.OnItemClickListener;
import android.widget.ImageView;
import android.widget.TextView;

import java.util.ArrayList;

/**
 * Created by Arkadeep Saha on 7/28/2016.
 */
public class AdapterSavedItems extends ArrayAdapter<SavedItemsDataset>
{
    Activity context;
    ArrayList<SavedItemsDataset> bookmarked;

    //This is the constructor of the class
    public AdapterSavedItems(Activity context, ArrayList<SavedItemsDataset>
objects)
    {
        super(context, R.layout.row_saveditems, objects);
        this.context=context;
        this.bookmarked=objects;
    }

    @Override
    public View getView(int position, View convertView, ViewGroup parent)
    {
        LayoutInflater inflater=context.getLayoutInflater();
        View v=inflater.inflate(R.layout.row_saveditems,null,true);

        TextView txtheader=(TextView)v.findViewById(R.id.txt_newsheader);
        TextView txtdate=(TextView)v.findViewById(R.id.txt_newsdate);
        TextView txtbody=(TextView)v.findViewById(R.id.txt_newsbody);
        ImageView urgency=(ImageView)v.findViewById(R.id.urgency);

        SavedItemsDataset bd = new SavedItemsDataset();
        bd = bookmarked.get(position);//?

        //we initialise the layout items in the XML files by using the variables in
        class Products through the object of the class, namely p
        txtheader.setText(bd.head);
        txtbody.setText(bd.date);
        txtdate.setText(bd.body);
        if (bd.urgent!=1)
        {

```

```

        urgency.setBackground(new ColorDrawable(Color.parseColor("#009688")));
    }

    //we return this completed view
    return v;
}
}
*****

package com.astr.collegecompanion;

import android.content.res.Configuration;
import android.os.Bundle;
import android.preference.PreferenceActivity;
import android.support.annotation.LayoutRes;
import android.support.annotation.Nullable;
import android.support.v7.app.ActionBar;
import android.support.v7.app.AppCompatActivity;
import android.support.v7.widget.Toolbar;
import android.view.MenuInflater;
import android.view.View;
import android.view.ViewGroup;

/**
 * A {@link android.preference.PreferenceActivity} which implements and proxies the
 * necessary calls
 * to be used with AppCompatActivity.
 */
public abstract class AppCompatActivity extends PreferenceActivity
{
    private AppCompatActivity mDelegate;

    @Override
    protected void onCreate(Bundle savedInstanceState)
    {
        getDelegate().installViewFactory();
        getDelegate().onCreate(savedInstanceState);
        super.onCreate(savedInstanceState);
    }

    @Override
    protected void onCreate(Bundle savedInstanceState)
    {
        super.onCreate(savedInstanceState);
        getDelegate().onPostCreate(savedInstanceState);
    }

    public ActionBar getSupportActionBar()
    {
        return getDelegate().getSupportActionBar();
    }

    public void setSupportActionBar(@Nullable Toolbar toolbar)
    {
        getDelegate().setSupportActionBar(toolbar);
    }

    @Override
    public MenuInflater getMenuInflater()
    {
        return getDelegate().getMenuInflater();
    }

    @Override

```

```

public void setContentView(@LayoutRes int layoutResID)
{
    getDelegate().setContentView(layoutResID);
}

@Override
public void setContentView(View view)
{
    getDelegate().setContentView(view);
}

@Override
public void setContentView(View view, ViewGroup.LayoutParams params)
{
    getDelegate().setContentView(view, params);
}

@Override
public void addContentView(View view, ViewGroup.LayoutParams params)
{
    getDelegate().addContentView(view, params);
}

@Override
protected void onPostResume()
{
    super.onPostResume();
    getDelegate().onPostResume();
}

@Override
protected void onTitleChanged(CharSequence title, int color)
{
    super.onTitleChanged(title, color);
    getDelegate().setTitle(title);
}

@Override
public void onConfigurationChanged(Configuration newConfig)
{
    super.onConfigurationChanged(newConfig);
    getDelegate().onConfigurationChanged(newConfig);
}

@Override
protected void onStop()
{
    super.onStop();
    getDelegate().onStop();
}

@Override
protected void onDestroy()
{
    super.onDestroy();
    getDelegate().onDestroy();
}

public void invalidateOptionsMenu()
{
    getDelegate().invalidateOptionsMenu();
}

private AppCompatDelegate getDelegate()
{

```

```

        if (mDelegate == null)
        {
            mDelegate = AppCompatActivity.create(this, null);
        }
        return mDelegate;
    }
}
*****

package com.astr.collegecompanion;

/**
 * Created by Tuhin Roy on 7/26/2016.
 */
public class CampusdriveDataset
{
    String header, date, body;
    int urgent;
}
*****

package com.astr.collegecompanion;

/**
 * Created by Tuhin Roy on 7/26/2016.
 */
public class ClassScheduleDataset
{
    String dayname;
}
*****

package com.astr.collegecompanion;

import android.content.ContentValues;
import android.content.Context;
import android.database.Cursor;
import android.database.sqlite.SQLiteDatabase;
import android.database.sqlite.SQLiteOpenHelper;

import java.util.ArrayList;

/**
 * Created by Arkadeep Saha on 7/27/2016.
 */
public class DatabaseHandler extends SQLiteOpenHelper
{
    // All Static variables
    // Database Version
    private static final int DATABASE_VERSION = 2;
    // Database Name
    private static final String DATABASE_NAME = "BookmarkedItems";
    // Contacts table name
    private static final String TABLE_SAVED = "saved_items";

    // Contacts Table Columns names
    private static final String KEY_ID = "id";
    private static final String KEY_HEADER = "header";
    private static final String KEY_DATE = "date";
    private static final String KEY_BODY = "body";
    private static final String KEY_URGENT = "urgent";

    public DatabaseHandler(Context context)
    {

```

```

        super(context, DATABASE_NAME, null, DATABASE_VERSION);
    }

    // Creating Tables
    @Override
    public void onCreate(SQLiteDatabase db)
    {
        String CREATE_TABLE = "CREATE TABLE " + TABLE_SAVED + "(" + KEY_ID + "
VARCHAR(20) PRIMARY KEY," + KEY_HEADER + " TEXT," + KEY_DATE + " TEXT," + KEY_BODY
+ " TEXT," + KEY_URGENT + " INTEGER" + ")";
        db.execSQL(CREATE_TABLE);
    }

    // Upgrading database
    @Override
    public void onUpgrade(SQLiteDatabase db, int oldVersion, int newVersion)
    {
        // Drop older table if existed
        db.execSQL("DROP TABLE IF EXISTS " + TABLE_SAVED);

        // Create tables again
        onCreate(db);
    }

    public ArrayList<SavedItemsDataset> getAll()
    {
        ArrayList<SavedItemsDataset> list = new ArrayList<SavedItemsDataset>();
        // Select All Query
        String selectQuery = "SELECT * FROM " + TABLE_SAVED;

        SQLiteDatabase db = this.getWritableDatabase();
        Cursor cursor = db.rawQuery(selectQuery, null);

        // looping through all rows and adding to list
        if (cursor.moveToFirst())
        {
            do
            {
                SavedItemsDataset saved_item = new SavedItemsDataset();
                saved_item.setKey(cursor.getString(0));
                saved_item.setHeader(cursor.getString(1));
                saved_item.setDate(cursor.getString(2));
                saved_item.setBody(cursor.getString(3));
                saved_item.setUrgent(cursor.getInt(4));
                // Adding contact to list
                list.add(saved_item);
            } while (cursor.moveToNext());
        }
        db.close();
        // return contact list
        return list;
    }

    public void deleteItem(SavedItemsDataset data)
    {
        SQLiteDatabase db = this.getWritableDatabase();
        db.delete(TABLE_SAVED, KEY_ID + " = ?",
            new String[] { String.valueOf(data.getKey()) });
        db.close();
    }

    // Adding new item
    public void addItem(SavedItemsDataset data)
    {

```

```

        SQLiteDatabase db = this.getWritableDatabase();

        ContentValues values = new ContentValues();
        values.put(KEY_ID, data.getKey());
        values.put(KEY_HEADER, data.getHeader());
        values.put(KEY_DATE, data.getDate());
        values.put(KEY_BODY, data.getBody());
        values.put(KEY_URGENT, data.getUrgent());

        // Inserting Row
        db.insert(TABLE_SAVED, null, values);
        db.close(); // Closing database connection
    }

    public int checkPresent(String k)
    {
        String selectQuery = "SELECT * FROM " + TABLE_SAVED;

        SQLiteDatabase db = this.getWritableDatabase();
        Cursor cursor = db.rawQuery(selectQuery, null);

        // looping through all rows and adding to list
        if (cursor.moveToFirst())
        {
            do
            {
                String x = cursor.getString(0);
                if (x.equals(k))
                {
                    db.close();
                    return 1;
                }
            } while (cursor.moveToNext());
        }
        db.close();
        return 0;
    }
}
*****

package com.astr.collegecompanion;

/**
 * Created by Tuhin Roy on 7/28/2016.
 */
public class DayScheduleDatabase
{
    String subject_name, timing, subject_code;
}
*****

package com.astr.collegecompanion;

import java.io.Serializable;

/**
 * Created by Arkadeep Saha on 7/25/2016.
 */
public class DepartmentNewsDataset implements Serializable
{
    String header, date, body;
    int urgent;
}
*****

```

```

package com.astr.collegecompanion;

import android.content.Intent;
import android.os.Bundle;
import android.support.v4.app.Fragment;
import android.support.v4.widget.SwipeRefreshLayout;
import android.support.v7.app.ActionBar;
import android.support.v7.app.AppCompatActivity;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.AdapterView;
import android.widget.AdapterView.OnItemClickListener;
import android.widget.ListView;
import android.widget.Toast;

import java.util.ArrayList;

/**
 * A simple {@link Fragment} subclass.
 */
public class FragmentCampusDrive extends Fragment
{
    ArrayList<CampusdriveDataset> placements = new ArrayList<CampusdriveDataset>();
    ListView lv;
    SwipeRefreshLayout swipeContainer;

    public FragmentCampusDrive()
    {
        // Required empty public constructor
    }

    @Override
    public View onCreateView(LayoutInflater inflater, ViewGroup container, Bundle savedInstanceState)
    {
        placements.clear();

        //Defining static data to be filled into the app
        CampusdriveDataset n1 = new CampusdriveDataset();
        n1.header="Pool campusing at Narula Institute of Technology";
        n1.date="25/07/08";
        n1.body="Students please take note that Pool campusing for the 2017 batch will be held at the Narula Intitute of Technology " +
            "on 15th August, 2017. Your respective departments have been notified, and you will be receiving details about the same " +
            "soon. In case of any questions please contact your departments.";
        n1.urgent=1;
        placements.add(n1);

        CampusdriveDataset n2 = new CampusdriveDataset();
        n2.header="Genpact recruitment on 27/08/2016";
        n2.date="24/07/2016";
        n2.urgent=1;
        n2.body="Students please take note that Genpact Inc. is visiting the college for recruitmnet on the 27th of August, 2016." +
            "Interested students can send in their CVs to the following mail ID by 29th July, 2016\nrandommailid@randomdomainname.com"+
            "\n\tIn case of any doubts regarding the matter, please visit Mrs. Priyanka Bagchi at the placement office.";
        placements.add(n2);

        CampusdriveDataset n3 = new CampusdriveDataset();
        n3.header="Updated CV";
        n3.date="21/07/2016";
    }
}

```

```

        n3.urgent=0;
        n3.body="Students please sent in your updated CVs to the following mail
id:\nrandomname@randomdomain.com";
        placements.add(n3);

        CampusdriveDataset n4 = new CampusdriveDataset();
        n4.header="Mock Test";
        n4.date="21/07/2016";
        n4.urgent=1;
        n4.body="Mock test for recruitment exams will be held at the college
auditorium on 29th July, 2016 at 2:00pm.\nAll students " +
                "are advised to attend";
        placements.add(n4);

        CampusdriveDataset n5 = new CampusdriveDataset();
        n5.header="Group Discussion Mocks";
        n5.date="21/07/2016";
        n5.urgent=1;
        n5.body="Mock group discussion sessions for recruitment training will be
held at the college auditorium on 25th July, 2016 at 2:00pm.\nAll students " +
                "are advised to attend";
        placements.add(n5);

        // Inflate the layout for this fragment
        View v = inflater.inflate(R.layout.fragment_campusdrive, container, false);

        //We define an object named pl of the products class. We can use this to
        access its variables
        lv=(ListView)v.findViewById(R.id.lv_campusdrive);

        AdapterCampusDrive adapter= new AdapterCampusDrive(getActivity(),
placements);

        lv.setAdapter(adapter);
        lv.setOnItemClickListener(click_list);

        swipeContainer = (SwipeRefreshLayout)
v.findViewById(R.id.swipecontainer); // Setup refresh listener which triggers new
data loading
        swipeContainer.setOnRefreshListener(new
SwipeRefreshLayout.OnRefreshListener()
        {
            @Override
            public void onRefresh()
            {
                //perform async task
                swipeContainer.setRefreshing(false);
            }
        });

        // Configure the refreshing colors
        swipeContainer.setColorSchemeResources(android.R.color.holo_blue_bright,
                android.R.color.holo_green_light,
                android.R.color.holo_orange_light,
                android.R.color.holo_red_light);

        return v;
    }

    AdapterView.OnItemClickListener click_list = new
AdapterView.OnItemClickListener()
    {
        @Override

```



```

        public void onItemClick(AdapterView<?> parent, View view, int position,
long id)
        {
            CampusdriveDataset obj = new CampusdriveDataset();
            obj = placements.get(position);
            Toast.makeText(getActivity(),obj.header,Toast.LENGTH_SHORT).show();

            Intent switch_to_sub = new Intent(getActivity(),ActivitySub.class);
            switch_to_sub.putExtra("head", obj.header);
            switch_to_sub.putExtra("body", obj.body);
            switch_to_sub.putExtra("date", obj.date);
            switch_to_sub.putExtra("urgent", obj.urgent);
            startActivity(switch_to_sub);
        }
    };

    @Override
    public void onResume()
    {
        super.onResume();
        AppCompatActivity activity = (AppCompatActivity) getActivity();
        ActionBar actionBar = activity.getSupportActionBar();
        actionBar.setTitle("Campus drive");
    }
}
*****

package com.astr.collegecompanion;

import android.content.Intent;
import android.os.Bundle;
import android.support.v4.app.Fragment;
import android.support.v7.app.ActionBar;
import android.support.v7.app.AppCompatActivity;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.AdapterView;
import android.widget.AdapterView.OnItemClickListener;
import android.widget.ListView;

import java.util.ArrayList;

/**
 * A simple {@link Fragment} subclass.
 */
public class FragmentClassSchedule extends Fragment
{

    ArrayList<ClassScheduleDataset> days = new ArrayList<ClassScheduleDataset>();
    ListView lv;
    public FragmentClassSchedule()
    {
        // Required empty public constructor
    }

    @Override
    public View onCreateView(LayoutInflater inflater, ViewGroup container, Bundle savedInstanceState)
    {
        days.clear();

        //Adding Static data to the list views

```

```

ClassScheduleDataset d1 = new ClassScheduleDataset();
d1.dayname="Monday";
days.add(d1);

ClassScheduleDataset d2 = new ClassScheduleDataset();
d2.dayname="Tuesday";
days.add(d2);

ClassScheduleDataset d3 = new ClassScheduleDataset();
d3.dayname="Wednesday";
days.add(d3);

ClassScheduleDataset d4 = new ClassScheduleDataset();
d4.dayname="Thursday";
days.add(d4);

ClassScheduleDataset d5 = new ClassScheduleDataset();
d5.dayname="Friday";
days.add(d5);

ClassScheduleDataset d6 = new ClassScheduleDataset();
d6.dayname="Saturday";
days.add(d6);

// Inflate the layout for this fragment
View v = inflater.inflate(R.layout.fragment_classschedule, container,
false);

//We define an object named pl of the products class. We can use this to
access its variables
lv=(ListView)v.findViewById(R.id.lv_classschedule);
AdapterClassSchedule adapter = new AdapterClassSchedule(getActivity(),
days);

lv.setAdapter(adapter);
lv.setOnItemClickListener(item);

return v;
}

AdapterView.OnItemClickListener item = new AdapterView.OnItemClickListener()
{
    @Override
    public void onItemClick(AdapterView<?> parent, View view, int position,
long id)
    {
        ClassScheduleDataset day = days.get(position);
        Intent switch_to_next = new
Intent(getActivity(), ActivityDaySchedule.class);
        switch_to_next.putExtra("dayname", day.dayname);
        startActivity(switch_to_next);
    }
};

@Override
public void onResume()
{
    super.onResume();
    AppCompatActivity activity = (AppCompatActivity) getActivity();
    ActionBar actionBar = activity.getSupportActionBar();
    actionBar.setTitle("Class schedule");
}
}
*****

```

```
package com.astr.collegecompanion;

import android.content.Intent;
import android.os.Bundle;
import android.support.v4.app.Fragment;
import android.support.v4.widget.SwipeRefreshLayout;
import android.support.v7.app.ActionBar;
import android.support.v7.app.AppCompatActivity;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.AdapterView;
import android.widget.AdapterView.OnItemClickListener;
import android.widget.ListView;
import android.widget.Toast;

import java.util.ArrayList;

/**
 * A simple {@link Fragment} subclass.
 */
public class FragmentDepartmentNews extends Fragment {
    ArrayList<DepartmentNewsDataset> newsdetails = new
ArrayList<DepartmentNewsDataset>();
    ListView lv;
    SwipeRefreshLayout swipeContainer;
    public FragmentDepartmentNews() {
        // Required empty public constructor
    }

    @Override
    public View onCreateView(LayoutInflater inflater, ViewGroup container, Bundle savedInstanceState) {
        newsdetails.clear();

        //adding static data to listview
        DepartmentNewsDataset n1 = new DepartmentNewsDataset();
        n1.header="NPTEL Course Registration";
        n1.date="24/07/2016";
        n1.urgent=0;
        n1.body="students are advised to register for the NPTEL courses online.";
        newsdetails.add(n1);

        DepartmentNewsDataset n2 = new DepartmentNewsDataset();
        n2.header="Schedule for verbal aptitude";
        n2.date="23/07/2016";
        n2.urgent=1;
        n2.body="The schedule for the verbal aptitude session organised by the department has been uploaded." +
            "The same can be found at the following link\nransomlink.randomdomain/randomfile.pdf";
        newsdetails.add(n2);

        DepartmentNewsDataset n3 = new DepartmentNewsDataset();
        n3.header="Training program from July 1, 2016";
        n3.date="23/07/2016";
        n3.urgent=0;
        n3.body="Training program organised by the department will begin from July 1." +
            "Any candidate that would like to register, but have not yet done
```

```

so can submit their names to Mrs. Radhika Dey" +
    "by 26th July.";
newsdetails.add(n3);

// Inflate the layout for this fragment
View v = inflater.inflate(R.layout.fragment_departmentnews, container,
false);

//We define an object named pl of the products class. We can use this to
access its variables
lv=(ListView)v.findViewById(R.id.lv_departmentnews);
AdapterDepartmentNews adapter = new AdapterDepartmentNews(getActivity(),
newsdetails);

lv.setAdapter(adapter);

lv.setOnItemClickListener(click_list);

swipeContainer = (SwipeRefreshLayout) v.findViewById(R.id.swipecontainer);
// Setup refresh listener which triggers new data loading
swipeContainer.setOnRefreshListener(new
SwipeRefreshLayout.OnRefreshListener()
{
    @Override
    public void onRefresh()
    {
        //perform async task
    }
});

// Configure the refreshing colors
swipeContainer.setColorSchemeResources(android.R.color.holo_blue_bright,
    android.R.color.holo_green_light,
    android.R.color.holo_orange_light,
    android.R.color.holo_red_light);

swipeContainer.setOnRefreshListener(new
SwipeRefreshLayout.OnRefreshListener()
{
    @Override
    public void onRefresh()
    {
        swipeContainer.setRefreshing(false);
    }
});

return v;
}

AdapterView.OnItemClickListener click_list = new
AdapterView.OnItemClickListener()
{
    @Override
    public void onItemClick(AdapterView<?> parent, View view, int position,
long id)
    {
        DepartmentNewsDataset obj = new DepartmentNewsDataset();
        obj = newsdetails.get(position);
        Toast.makeText(getActivity(), obj.header, Toast.LENGTH_SHORT).show();

        Intent switch_to_sub = new Intent(getActivity(), ActivitySub.class);
        switch_to_sub.putExtra("head", obj.header);
        switch_to_sub.putExtra("body", obj.body);
        switch_to_sub.putExtra("date", obj.date);
        switch_to_sub.putExtra("urgent", obj.urgent);
    }
}

```

```

        startActivity(switch_to_sub);
        //finish();
    }
};

@Override
public void onResume()
{
    super.onResume();
    AppCompatActivity activity = (AppCompatActivity) getActivity();
    ActionBar actionBar = activity.getSupportActionBar();
    actionBar.setTitle("Department News");
}
}
*****

package com.astr.collegecompanion;

import android.content.Intent;
import android.os.Bundle;
import android.support.v4.app.Fragment;
import android.support.v4.widget.SwipeRefreshLayout;
import android.support.v7.app.ActionBar;
import android.support.v7.app.AppCompatActivity;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.AdapterView;
import android.widget.AdapterView.OnItemClickListener;
import android.widget.ListView;
import android.widget.Toast;

import java.util.ArrayList;

/**
 * A simple {@link Fragment} subclass.
 */
public class FragmentGeneralNotices extends Fragment
{
    ArrayList<GeneralNoticesDataset> newsdetails = new
    ArrayList<GeneralNoticesDataset>();
    ListView lv;
    SwipeRefreshLayout swipeContainer;
    public FragmentGeneralNotices()
    {
        // Required empty public constructor
    }

    @Override
    public View onCreateView(LayoutInflater inflater, ViewGroup container, Bundle
    savedInstanceState)
    {
        newsdetails.clear();

        //Putting static data in the
        GeneralNoticesDataset n1 = new GeneralNoticesDataset();
        n1.header="TCS Codevita contest registration";
        n1.date="27/07/2016";
        n1.body="Students are advised to register for the upcoming Code Vita
        competition organised by Tata Consultancy Services." +
        "Please visit the following link for mode details." +
        "\n\nbitly.in/codevita5";
        n1.urgent=0;
        newsdetails.add(n1);
    }
}

```

```

GeneralNoticesDataset n2 = new GeneralNoticesDataset();
n2.header="Revised rules & regulation for fee payment";
n2.date="25/07/2015";
n2.urgent=1;
n2.body="Students please note that the rules and regulations regarding fee
payment has been updated." +
        "The revised ruled and regulations may be downloaded from the
following link." +
        "\nrandomlink.randomdomain/randomfilename.pdf";
newsdetails.add(n2);

GeneralNoticesDataset n3 = new GeneralNoticesDataset();
n3.header="Holiday on 1st August";
n3.date="21/07/2015";
n3.urgent=0;
n3.body="Note that college will remain closed on the 1st of August. Library
and offices will remain open till 2:00pm";
newsdetails.add(n3);

// Inflate the layout for this fragment
View v = inflater.inflate(R.layout.fragment_generalnotices, container,
false);

//We define an object named pl of the products class. We can use this to
access its variables
lv=(ListView)v.findViewById(R.id.lv_generalnotices);
AdapterGeneralNotices adapter = new
AdapterGeneralNotices(getActivity(),newsdetails);

lv.setAdapter(adapter);

lv.setOnItemClickListener(click_list);

swipeContainer = (SwipeRefreshLayout) v.findViewById(R.id.swipecontainer);

// Setup refresh listener which triggers new data loading
swipeContainer.setOnRefreshListener(new
SwipeRefreshLayout.OnRefreshListener()
{
    @Override
    public void onRefresh()
    {
        //perform async task
        swipeContainer.setRefreshing(false);
    }
});

// Configure the refreshing colors
swipeContainer.setColorSchemeResources(android.R.color.holo_blue_bright,
    android.R.color.holo_green_light,
    android.R.color.holo_orange_light,
    android.R.color.holo_red_light);

return v;
}

AdapterView.OnItemClickListener click_list = new
AdapterView.OnItemClickListener()
{
    @Override
    public void onItemClick(AdapterView<?> parent, View view, int position,
long id)
    {
        GeneralNoticesDataset obj = new GeneralNoticesDataset();
        obj = newsdetails.get(position);
    }
}

```

```

        Toast.makeText(getActivity(), obj.header, Toast.LENGTH_SHORT).show();

        Intent switch_to_sub = new Intent(getActivity(), ActivitySub.class);
        switch_to_sub.putExtra("head", obj.header);
        switch_to_sub.putExtra("body", obj.body);
        switch_to_sub.putExtra("date", obj.date);
        switch_to_sub.putExtra("urgent", obj.urgent);
        startActivity(switch_to_sub);
    }
};

@Override
public void onResume()
{
    super.onResume();
    AppCompatActivity activity = (AppCompatActivity) getActivity();
    ActionBar actionBar = activity.getSupportActionBar();
    actionBar.setTitle("General Notices");
}
}
*****

package com.astr.collegecompanion;

import android.os.Bundle;
import android.support.v4.app.Fragment;
import android.support.v4.widget.SwipeRefreshLayout;
import android.support.v7.app.ActionBar;
import android.support.v7.app.AppCompatActivity;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.ListView;

import java.util.ArrayList;

/**
 * A simple {@link Fragment} subclass.
 */
public class FragmentLibrary extends Fragment
{

    ArrayList<LibraryDataset> library_info = new ArrayList<LibraryDataset>();
    ListView lv;
    SwipeRefreshLayout swipeContainer;

    public FragmentLibrary()
    {
        // Required empty public constructor
    }

    @Override
    public View onCreateView(LayoutInflater inflater, ViewGroup container, Bundle savedInstanceState)
    {
        library_info.clear();

        //Putting static data into list view
        LibraryDataset lbl = new LibraryDataset();
        lbl.bookid="130212";
        lbl.bookname="Antennas and wave propagation";
        lbl.author="V Harish, A.R. Sachidananda";

```

```

lb1.issuedate="17/03/2016";
library_info.add(lb1);

LibraryDataset lb2 = new LibraryDataset();
lb2.bookid="132451";
lb2.bookname="Principles of Electromagnetic field theory";
lb2.author="Matthew N.O. Sadiku";
lb2.issuedate="21/03/2016";
library_info.add(lb2);

LibraryDataset lb3 = new LibraryDataset();
lb3.bookid="128547";
lb3.bookname="Microwave Engineering";
lb3.author="David M. Pozar";
lb3.issuedate="15/04/2016";
library_info.add(lb3);

// Inflate the layout for this fragment
View v = inflater.inflate(R.layout.fragment_library, container, false);

//We define an object named pl of the products class. We can use this to
access its variables
lv=(ListView)v.findViewById(R.id.lv_library);
AdapterLibrary adapter = new AdapterLibrary(getActivity(),library_info);

lv.setAdapter(adapter);

swipeContainer = (SwipeRefreshLayout) v.findViewById(R.id.swipecontainer);
// Setup refresh listener which triggers new data loading
swipeContainer.setOnRefreshListener(new
SwipeRefreshLayout.OnRefreshListener()
{
    @Override
    public void onRefresh()
    {
        //perform async task
        swipeContainer.setRefreshing(false);
    }
});

// Configure the refreshing colors
swipeContainer.setColorSchemeResources(android.R.color.holo_blue_bright,
    android.R.color.holo_green_light,
    android.R.color.holo_orange_light,
    android.R.color.holo_red_light);

return v;
}

@Override
public void onResume()
{
    super.onResume();
    AppCompatActivity activity = (AppCompatActivity) getActivity();
    ActionBar actionBar = activity.getSupportActionBar();
    actionBar.setTitle("Library");
}
}

*****

package com.astr.collegecompanion;
import android.content.Intent;
import android.os.Bundle;
import android.support.annotation.Nullable;
import android.support.v4.app.Fragment;

```



```

import android.support.v4.widget.SwipeRefreshLayout;
import android.support.v7.app.ActionBar;
import android.support.v7.app.AppCompatActivity;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.AdapterView;
import android.widget.AdapterView;
import android.widget.LinearLayout;
import android.widget.ListView;

import java.util.ArrayList;
/**
 * A simple {@link Fragment} subclass.
 */
public class FragmentSavedItems extends Fragment
{
    ListView lv;
    LinearLayout message,list;
    ArrayList<SavedItemsDataset> saved_items = new ArrayList<SavedItemsDataset>();
    SwipeRefreshLayout swipeContainer;

    public FragmentSavedItems()
    {
        // Required empty public constructor
    }

    @Override
    public void onCreate(Bundle savedInstanceState)
    {
        super.onCreate(savedInstanceState);
    }

    @Override
    public View onCreateView(LayoutInflater inflater, ViewGroup container, Bundle savedInstanceState)
    {
        // Inflate the layout for this fragment
        View v = inflater.inflate(R.layout.fragment_saveditems, container, false);
        lv=(ListView)v.findViewById(R.id.lv_saveditems);
        message = (LinearLayout) v.findViewById(R.id.message);
        list = (LinearLayout) v.findViewById(R.id.list);

        DatabaseHandler db = new DatabaseHandler(getActivity());
        saved_items = db.getAll();
        if (!saved_items.isEmpty())
        {
            message.setVisibility(View.GONE);
        }
        AdapterSavedItems adapter= new AdapterSavedItems(getActivity(),
saved_items);
        lv.setAdapter(adapter);

        lv.setOnItemClickListener(click_list);

        swipeContainer = (SwipeRefreshLayout) v.findViewById(R.id.swipecontainer);

        swipeContainer.setColorSchemeResources(android.R.color.holo_blue_bright,
            android.R.color.holo_green_light,
            android.R.color.holo_orange_light,
            android.R.color.holo_red_light);

        // Setup refresh listener which triggers new data loading
        swipeContainer.setOnRefreshListener(pull_refresh);

        return v;
    }

```

```

    }

    AdapterView.OnItemClickListener click_list = new
    AdapterView.OnItemClickListener()
    {
        @Override
        public void onItemClick(AdapterView<?> parent, View view, int position, long
id)
        {
            String body = saved_items.get(position).getDate();
            String date = saved_items.get(position).getBody();
            String head = saved_items.get(position).getHeader();
            int urgent = saved_items.get(position).getUrgent();

            Intent switch_to_sub = new Intent(getActivity(), ActivitySub.class);
            switch_to_sub.putExtra("head", head);
            switch_to_sub.putExtra("body", body);
            switch_to_sub.putExtra("date", date);
            switch_to_sub.putExtra("urgent", urgent);
            startActivity(switch_to_sub);
        }
    };

    @Override
    public void onResume()
    {
        super.onResume();
        AppCompatActivity activity = (AppCompatActivity) getActivity();
        ActionBar actionBar = activity.getSupportActionBar();
        actionBar.setTitle("Saved items");
    }

    SwipeRefreshLayout.OnRefreshListener pull_refresh = new
    SwipeRefreshLayout.OnRefreshListener()
    {
        @Override
        public void onRefresh()
        {
            reload();
            swipeContainer.setRefreshing(false);
        }
    };

    void reload()
    {
        saved_items.clear();
        DatabaseHandler db = new DatabaseHandler(getActivity());
        saved_items = db.getAll();
        if (saved_items.isEmpty())
        {
            message.setVisibility(View.VISIBLE);
        }
        AdapterSavedItems adapter= new AdapterSavedItems(getActivity(),
saved_items);
        lv.setAdapter(adapter);
        return null;
    }

}
*****

package com.astr.collegecompanion;

```

```

/**
 * Created by Tuhin Roy on 7/26/2016.
 */
public class GeneralNoticesDataset
{
    String header, date, body;
    int urgent; //resource id is integer format
    //in case of server downloaded image use bitmap instead of int
}

*****

package com.astr.collegecompanion;

/**
 * Created by Tuhin Roy on 7/26/2016.
 */
public class LibraryDataset
{
    String bookname, author, issuedate, bookid;
}

*****

package com.astr.collegecompanion;

import android.support.v7.app.AppCompatActivity;

/**
 * Created by Arkadeep Saha on 7/26/2016.
 */
public class SavedItemsDataset extends AppCompatActivity
{
    String head, date, body, key;
    int urgent;

    //default constructor
    public SavedItemsDataset()
    {
        head = null;
        date = null;
        body = null;
        key = null;
        urgent=1;
    }

    // parametrised constructor
    public SavedItemsDataset(String id, String head, String date, String body)
    {
        this.key = id;
        this.head = head;
        this.date = date;
        this.body = body;
    }

    // getting key
    public String getKey()
    {
        return this.key;
    }

    // setting key
    public void setKey(String key)
    {
        this.key = key;
    }
}

```

```

    }

    // getting header
    public String getHeader()
    {
        return this.head;
    }

    // setting header
    public void setHeader(String head)
    {
        this.head = head;
    }

    // getting date
    public String getDate()
    {
        return this.date;
    }

    // setting date
    public void setDate(String date)
    {
        this.date = date;
    }

    // getting body
    public String getBody()
    {
        return this.body;
    }

    // setting body
    public void setBody(String body)
    {
        this.body = body;
    }

    // getting urgency of notice
    public int getUrgent()
    {
        return this.urgent;
    }

    // setting urgency of notice
    public void setUrgent(int urgent)
    {
        this.urgent = urgent;
    }
}

```

```

package com.astr.collegecompanion;

import android.content.SharedPreferences;
import android.media.Ringtone;
import android.media.RingtoneManager;
import android.net.Uri;
import android.os.Bundle;
import android.preference.Preference;
import android.preference.PreferenceManager;
import android.preference.RingtonePreference;
import android.support.v4.app.NavUtils;
import android.support.v7.app.ActionBar;

```

Alankar *Sanyal*



```

import android.text.TextUtils;
import android.view.MenuItem;

public class SettingsScreenActivity extends AppCompatActivity
{
    private static void bindPreferenceSummaryToValue (Preference preference)
    {
        // Set the listener to watch for value changes.

preference.setOnPreferenceChangeListener (sBindPreferenceSummaryToValueListener);

        // Trigger the listener immediately with the preference's
        // current value.
        sBindPreferenceSummaryToValueListener.onPreferenceChange (preference,
PreferenceManager.getDefaultSharedPreferences (preference.getContext()).getString (pr
eference.getKey(), ""));
    }

    @Override
    protected void onCreate (Bundle savedInstanceState)
    {
        super.onCreate (savedInstanceState);

        addPreferencesFromResource (R.xml.pref_singlepage);
        setupActionBar();

        SharedPreferences settings =
PreferenceManager.getDefaultSharedPreferences (this);
        bindPreferenceSummaryToValue (findPreference ("select_alerttone"));
        getSupportActionBar().setDisplayHomeAsUpEnabled (false);
        getSupportActionBar().setTitle ("Settings");
    }

    @Override
    public boolean onOptionsItemSelected (MenuItem item)
    {
        int id = item.getItemId();
        return super.onOptionsItemSelected (item);
    }

    private void setupActionBar()
    {
        ActionBar actionBar = getSupportActionBar();
        if (actionBar != null)
        {
            actionBar.setDisplayHomeAsUpEnabled (true);
        }
    }

    @Override
    public boolean onOptionsItemSelected (int featureId, MenuItem item)
    {
        int id = item.getItemId();
        if (id == android.R.id.home)
        {
            if (!super.onOptionsItemSelected (featureId, item))
            {
                NavUtils.navigateUpFromSameTask (this);
            }
            return true;
        }
        return super.onOptionsItemSelected (featureId, item);
    }
}

```

```

private static Preference.OnPreferenceChangeListener
sBindPreferenceSummaryToValueListener = new Preference.OnPreferenceChangeListener()
{
    @Override
    public boolean onPreferenceChange(Preference preference, Object value)
    {
        String stringValue = value.toString();

        if (preference instanceof RingtonePreference)
        {
            if (TextUtils.isEmpty(stringValue))
            {
                // Empty values correspond to 'silent' (no ringtone).
                preference.setSummary(R.string.pref_ringtone_silent);
            }
            else
            {
                Ringtone ringtone =
                RingtoneManager.getRingtone(preference.getContext(), Uri.parse(stringValue));
                if (ringtone == null)
                {
                    // Clear the summary if there was a lookup error.
                    preference.setSummary(null);
                }
                else
                {
                    // Set the summary to reflect the new ringtone display
                    // name.
                    String name = ringtone.getTitle(preference.getContext());
                    preference.setSummary(name);
                }
            }
        }
        else
        {
            // For all other preferences, set the summary to the value's
            // simple string representation.
            preference.setSummary(stringValue);
        }
        return true;
    }
};
}

```

XML Files

```

<?xml version="1.0" encoding="utf-8"?>
<ScrollView xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="wrap_content">
    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:paddingBottom="@dimen/activity_vertical_margin"
        android:paddingLeft="@dimen/activity_horizontal_margin"
        android:paddingRight="@dimen/activity_horizontal_margin"
        android:paddingTop="@dimen/activity_vertical_margin"
        android:orientation="vertical"
        tools:context=".ActivityAbout">

        <LinearLayout
            android:layout_width="match_parent"

```

```

        android:layout_height="200dp"
        android:orientation="horizontal"
        android:layout_weight="1">

        <com.mikhaellopez.circularimageview.CircularImageView
            android:layout_width="70dp"
            android:layout_height="70dp"
            android:id="@+id/img_arka"
            android:src="@drawable/ic_as"/>

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:orientation="vertical">

            <TextView
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:layout_marginLeft="20dp"
                android:layout_marginTop="5dp"
                android:id="@+id/txt_name1"
                android:text="ARKADEEP SAHA"
                android:textSize="16sp"
                android:textAlignment="textStart"
                android:textColor="#000000"
                android:textStyle="bold"
                android:layout_marginBottom="5dp"/>

            <TextView
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:layout_marginLeft="20dp"
                android:id="@+id/txt_desc3"
                android:text="Microsoft fanboy at heart but lover of all things
'Material'. Swears by Stack Overflow and Github."
                android:textSize="16sp"
                android:layout_marginBottom="5dp"/>

            <TextView
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:layout_marginLeft="20dp"
                android:id="@+id/txt_email1"
                android:text="Email id:\narkadeepsahall@gmail.com"
                android:textSize="16sp"
                android:layout_marginBottom="20dp"/>

        </LinearLayout>

    </LinearLayout>

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="200dp"
        android:orientation="horizontal"
        android:layout_weight="1">

        <com.mikhaellopez.circularimageview.CircularImageView
            android:layout_width="70dp"
            android:layout_height="70dp"
            android:id="@+id/img_tuhin"
            android:src="@drawable/ic_tr"/>

        <LinearLayout
            android:layout_width="match_parent"

```

```

        android:layout_height="wrap_content"
        android:orientation="vertical">

        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginLeft="20dp"
            android:layout_marginTop="5dp"
            android:id="@+id/txt_name2"
            android:text="TUHIN ROY"
            android:textSize="16sp"
            android:textAlignment="textStart"
            android:textColor="#000000"
            android:textStyle="bold"
            android:layout_marginBottom="5dp"/>

        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginLeft="20dp"
            android:id="@+id/txt_desc2"
            android:text="A tech enthusiast who tries, fails and
repeats.... till he nails it."
            android:textSize="16sp"
            android:layout_marginBottom="5dp"/>

        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginLeft="20dp"
            android:id="@+id/txt_email2"
            android:text="Email id:\nroy.tuhin111@gmail.com"
            android:textSize="16sp"
            android:layout_marginBottom="20dp"/>

    </LinearLayout>

</LinearLayout>
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="200dp"
    android:orientation="horizontal"
    android:layout_weight="1">

    <com.mikhaellopez.circularimageview.CircularImageView
        android:layout_width="70dp"
        android:layout_height="70dp"
        android:id="@+id/img_sourav"
        android:src="@drawable/sb"/>

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="vertical">

        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginLeft="20dp"
            android:layout_marginTop="5dp"
            android:id="@+id/txt_name3"
            android:text="SOURAV BARUI"
            android:textSize="16sp"
            android:textAlignment="textStart"
            android:textColor="#000000"

```



```

        android:textStyle="bold"
        android:layout_marginBottom="5dp"/>

<TextView
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginLeft="20dp"
    android:id="@+id/txt_desc1"
    android:text="Wants to be a computer Science Engineer."
    android:textSize="16sp"
    android:layout_marginBottom="5dp"/>

<TextView
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginLeft="20dp"
    android:id="@+id/txt_email3"
    android:text="Email id : souravbarui0501@gmail.com"
    android:textSize="16sp"
    android:layout_marginBottom="20dp"/>

</LinearLayout>

</LinearLayout>

</LinearLayout>
</ScrollView>

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    android:gravity="center"
    tools:context=".ActivityDaySchedule">

    <ListView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/lv_onclickday">
    </ListView>

</LinearLayout>

<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:gravity="center_horizontal"
    android:orientation="vertical"
    android:paddingBottom="@dimen/activity_vertical_margin"
    android:paddingLeft="@dimen/activity_horizontal_margin"
    android:paddingRight="@dimen/activity_horizontal_margin"
    android:paddingTop="@dimen/activity_vertical_margin"
    tools:context=".ActivityLogin"
    android:weightSum="1">

    <LinearLayout
        android:focusable="true"
        android:focusableInTouchMode="true"
        android:layout_width="0dp"
        android:layout_height="0dp"/>

```

```
<!-- :nextFocusUp and :nextFocusLeft have been set to the id of this component
to prevent the dummy from receiving focus again -->
```

```
<AutoCompleteTextView android:id="@+id/autotext"
    android:layout_width="0dp"
    android:layout_height="0dp"
    android:nextFocusUp="@id/autotext"
    android:nextFocusLeft="@id/autotext"/>
```

```
<!-- Login progress -->
```

```
<ScrollView
    android:id="@+id/login_form"
    android:layout_width="match_parent"
    android:layout_height="match_parent">
```

```
<LinearLayout
    android:id="@+id/email_login_form"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical">
```

```
<ImageView
    android:layout_width="140dp"
    android:layout_height="140dp"
    android:layout_gravity="center"
    android:id="@+id/company_logo"
    android:src="@drawable/logo1_half"/>
```

```
<android.support.design.widget.TextInputLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginTop="10dp">
```

```
<EditText
    android:id="@+id/etxt_university_roll"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:hint="University Roll"
    android:maxLines="1"
    android:singleLine="true"/>
```

```
</android.support.design.widget.TextInputLayout>
```

```
<android.support.design.widget.TextInputLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content">
```

```
<EditText
    android:id="@+id/etxt_password"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:hint="Password"
    android:imeActionId="@+id/login"
    android:imeActionLabel="@string/action_sign_in_short"
    android:imeOptions="actionUnspecified"
    android:inputType="textPassword"
    android:maxLines="1"
    android:shadowColor="#ffffff"
    android:singleLine="true"/>
```

```
</android.support.design.widget.TextInputLayout>
```

```
<LinearLayout
    android:layout_width="match_parent"
```

```

        android:layout_height="wrap_content">

        <CheckBox
            android:layout_width="wrap_content"
            android:layout_height="match_parent"
            android:text="Remember me"
            android:layout_gravity="start"
            android:layout_weight="1"
            android:id="@+id/ch_remember_me"/>

        <CheckBox
            android:layout_width="wrap_content"
            android:layout_height="match_parent"
            android:text="Show password"
            android:layout_gravity="end"
            android:layout_weight="1"
            android:id="@+id/ch_show_password"/>

    </LinearLayout>

    <Button
        android:id="@+id/btn_sign_in"
        style="?android:textAppearanceSmall"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="16dp"
        android:text="Sign In"
        android:textStyle="bold"/>

    </LinearLayout>
</ScrollView>

</LinearLayout>

<?xml version="1.0" encoding="utf-8"?>
<android.support.v4.widget.DrawerLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/drawer_layout"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:fitsSystemWindows="true"
    tools:openDrawer="start">

    <include
        layout="@layout/app_bar_main"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:id="@+id/include_main"/>

    <android.support.design.widget.NavigationView
        android:id="@+id/nav_view"
        android:layout_width="wrap_content"
        android:layout_height="match_parent"
        android:layout_gravity="start"
        android:fitsSystemWindows="true"
        app:headerLayout="@layout/nav_header_main"
        app:menu="@menu/activity_main_drawer"/>

</android.support.v4.widget.DrawerLayout>

```

```

<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:paddingBottom="@dimen/activity_vertical_margin"
    android:paddingLeft="@dimen/activity_horizontal_margin"
    android:paddingRight="@dimen/activity_horizontal_margin"
    android:paddingTop="@dimen/activity_vertical_margin"
    tools:context="com.astr.collegecompanion.RegistrationActivity">

</RelativeLayout>

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".ActivitySplash"
    android:orientation="vertical"
    android:gravity="center">

    <ImageView
        android:layout_width="250dp"
        android:layout_height="250dp"
        android:src="@drawable/logo1_half"
        android:scaleType="centerCrop"
        android:layout_gravity="center_horizontal"/>

</LinearLayout>

<?xml version="1.0" encoding="utf-8"?>
<android.support.design.widget.CoordinatorLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:fitsSystemWindows="true"
    tools:context=".ActivitySub">

    <android.support.design.widget.AppBarLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:theme="@style/AppTheme.AppBarOverlay">

        <android.support.v7.widget.Toolbar
            android:id="@+id/toolbar"
            android:layout_width="match_parent"
            android:layout_height="?attr/actionBarSize"
            android:background="?attr/colorPrimary"
            app:popupTheme="@style/AppTheme.PopupOverlay"/>

    </android.support.design.widget.AppBarLayout>

    <include layout="@layout/content_sub"/>

    <android.support.design.widget.FloatingActionButton
        android:id="@+id/fab"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_gravity="bottom|end"
        android:layout_margin="@dimen/fab_margin"

```

```

        android:src="@drawable/ic_add_white_48dp"/>

<android.support.design.widget.FloatingActionButton
    android:id="@+id/fab_later"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginBottom="90dp"
    android:layout_gravity="bottom|end"
    android:layout_marginRight="@dimen/fab_margin"
    android:visibility="invisible"
    app:elevation="6dp"
    android:src="@drawable/ic_bookmark_border_white_48dp"
    android:background="@color/colorPrimaryDark"
    app:pressedTranslationZ="12dp"/>

<android.support.design.widget.FloatingActionButton
    android:id="@+id/fab_event"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginBottom="160dp"
    android:layout_gravity="bottom|end"
    android:clickable="true"
    android:layout_marginRight="@dimen/fab_margin"
    android:background="@color/colorPrimaryDark"
    android:visibility="invisible"
    android:src="@drawable/ic_event_white_48dp"
    app:elevation="6dp"
    app:pressedTranslationZ="12dp"/>

</android.support.design.widget.CoordinatorLayout>

<?xml version="1.0" encoding="utf-8"?>
<android.support.design.widget.CoordinatorLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:fitsSystemWindows="true"
    tools:context=".ActivityMain">

    <android.support.design.widget.AppBarLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:theme="@style/AppTheme.AppBarOverlay">

        <android.support.v7.widget.Toolbar
            android:id="@+id/toolbar"
            android:layout_width="match_parent"
            android:layout_height="?attr/actionBarSize"
            android:background="?attr/colorPrimary"
            app:popupTheme="@style/AppTheme.PopupOverlay"/>

    </android.support.design.widget.AppBarLayout>

    <include layout="@layout/content_main"
        android:id="@+id/include_appbarmain"/>

    <android.support.design.widget.FloatingActionButton
        android:id="@+id/fab"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_gravity="bottom|end"
        android:layout_margin="@dimen/fab_margin"

```

```

        android:src="@drawable/ic_add_white_48dp"/>

</android.support.design.widget.CoordinatorLayout>

<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"

    app:layout_behavior="@string/appbar_scrolling_view_behavior"
    tools:context=".ActivityMain"
    tools:showIn="@layout/app_bar_main">

    <FrameLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:id="@+id/main_content_frame">
    </FrameLayout>

</RelativeLayout>

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:paddingBottom="@dimen/activity_vertical_margin"
    android:paddingLeft="@dimen/activity_horizontal_margin"
    android:paddingRight="@dimen/activity_horizontal_margin"
    android:paddingTop="@dimen/activity_vertical_margin"
    app:layout_behavior="@string/appbar_scrolling_view_behavior"
    tools:context=".ActivitySub"
    android:orientation="vertical"
    tools:showIn="@layout/activity_sub">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:id="@+id/header"
        android:textIsSelectable="true"
        android:textSize="20sp"
        android:textColor="#000000"
        android:paddingBottom="5dp"
        android:textStyle="bold"/>

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="horizontal">
        <TextView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Dated:"
            android:textIsSelectable="true"
            android:textSize="18sp"
            android:paddingRight="2dp"
            android:textColor="#000000"
            android:paddingBottom="3dp"/>

```



```

<TextView
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:id="@+id/date"
    android:textIsSelectable="true"
    android:textSize="18sp"
    android:textColor="#000000"
    android:paddingBottom="5dp"/>
</LinearLayout>
<TextView
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:id="@+id/body"
    android:textColor="#000000"
    android:textIsSelectable="true"
    android:textSize="16sp"
    android:paddingBottom="5dp"/>

</LinearLayout>

<FrameLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".FragmentCampusDrive">

    <!-- TODO: Update blank fragment layout -->
    <android.support.v4.widget.SwipeRefreshLayout

        android:layout_height="match_parent"
        android:layout_width="match_parent"
        android:id="@+id/swipecontainer">
        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="match_parent"
            android:orientation="vertical"
            android:layout_gravity="center">
            <ListView
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:id="@+id/lv_campusdrive">
            </ListView>
            <LinearLayout
                android:layout_width="match_parent"
                android:layout_height="match_parent"
                android:orientation="vertical"
                android:gravity="center"
                android:id="@+id/message"
                android:visibility="gone">
                <ImageView
                    android:layout_width="150dp"
                    android:layout_height="150dp"
                    android:src="@drawable/ic_inbox_black_48dp"
                    android:backgroundTint="@color/colorAccent"/>

                <TextView
                    android:layout_width="match_parent"
                    android:layout_height="wrap_content"
                    android:paddingRight="16dp"
                    android:paddingLeft="16dp"
                    android:paddingTop="16dp"

                    android:text="No campus drive notices"
                    android:textSize="20dp"

```

```

        android:textAlignment="center"
    />
</LinearLayout>
</LinearLayout>

</android.support.v4.widget.SwipeRefreshLayout>
</FrameLayout>

<FrameLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".FragmentClassSchedule">

    <!-- TODO: Update blank fragment layout -->
    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:orientation="vertical"
        android:layout_gravity="center">
        <ListView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:id="@+id/lv_classschedule">

        </ListView>

    </LinearLayout>

</FrameLayout>

<FrameLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".FragmentDepartmentNews">

    <!-- TODO: Update blank fragment layout -->

    <android.support.v4.widget.SwipeRefreshLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:id="@+id/swipecontainer">
        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="match_parent"
            android:orientation="vertical"
            android:layout_gravity="center">
    <ListView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/lv_departmentnews">
    </ListView>
        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="match_parent"
            android:orientation="vertical"
            android:gravity="center"
            android:id="@+id/message"
            android:visibility="gone">
            <ImageView
                android:layout_width="150dp"
                android:layout_height="150dp"

```



```

        android:src="@drawable/ic_inbox_black_48dp"
        android:backgroundTint="@color/colorAccent"/>

        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:paddingRight="16dp"
            android:paddingLeft="16dp"
            android:paddingTop="16dp"

            android:text="No department notices"
            android:textSize="20dp"
            android:textAlignment="center"/>
        </LinearLayout>
    </LinearLayout>
</android.support.v4.widget.SwipeRefreshLayout>

</FrameLayout>

<FrameLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".FragmentGeneralNotices">

    <!-- TODO: Update blank fragment layout -->

    <android.support.v4.widget.SwipeRefreshLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:id="@+id/swipecontainer">

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="match_parent"
            android:orientation="vertical"
            android:layout_gravity="center"
            android:id="@+id/list">
            <ListView
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:id="@+id/lv_generalnotices">
            </ListView>
            <LinearLayout
                android:layout_width="match_parent"
                android:layout_height="match_parent"
                android:orientation="vertical"
                android:gravity="center"
                android:id="@+id/message"
                android:visibility="invisible">
                <ImageView
                    android:layout_width="150dp"
                    android:layout_height="150dp"
                    android:src="@drawable/ic_inbox_black_48dp"
                    android:backgroundTint="@color/colorAccent"/>

                <TextView
                    android:layout_width="match_parent"
                    android:layout_height="wrap_content"
                    android:paddingRight="16dp"
                    android:paddingLeft="16dp"
                    android:paddingTop="16dp"
                    android:text="No general notices"
                    android:textSize="20dp"

```

```

        android:textAlignment="center"
    />
</LinearLayout>

</LinearLayout>
</android.support.v4.widget.SwipeRefreshLayout>

</FrameLayout>

<FrameLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".FragmentLibrary">

    <!-- TODO: Update blank fragment layout -->

    <android.support.v4.widget.SwipeRefreshLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:id="@+id/swipecontainer">
        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="match_parent"
            android:orientation="vertical"
            android:layout_gravity="center"
            android:id="@+id/list">

            <ListView
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:id="@+id/lv_library">

            </ListView>
            <LinearLayout
                android:layout_width="match_parent"
                android:layout_height="match_parent"
                android:orientation="vertical"
                android:gravity="center"
                android:id="@+id/message"
                android:visibility="invisible">
                <ImageView
                    android:layout_width="150dp"
                    android:layout_height="150dp"
                    android:src="@drawable/ic_inbox_black_48dp"
                    android:backgroundTint="@color/colorAccent"/>

                <TextView
                    android:layout_width="match_parent"
                    android:layout_height="wrap_content"
                    android:paddingRight="16dp"
                    android:paddingLeft="16dp"
                    android:paddingTop="16dp"
                    android:text="No library transactions"
                    android:textSize="20dp"
                    android:textAlignment="center"
                />
            </LinearLayout>

        </LinearLayout>
    </android.support.v4.widget.SwipeRefreshLayout>
</FrameLayout>

```

```

<FrameLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".FragmentSavedItems">

    <!-- TODO: Update blank fragment layout -->

    <android.support.v4.widget.SwipeRefreshLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:id="@+id/swipecontainer">

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="match_parent"
            android:orientation="vertical"
            android:layout_gravity="center">

            <ListView
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:id="@+id/lv_saveditems">

            </ListView>
            <LinearLayout
                android:layout_width="match_parent"
                android:layout_height="match_parent"
                android:orientation="vertical"
                android:gravity="center"
                android:id="@+id/message">
                <ImageView
                    android:layout_width="150dp"
                    android:layout_height="150dp"
                    android:src="@drawable/ic_inbox_black_48dp"
                    android:backgroundTint="@color/colorAccent"/>

                <TextView
                    android:layout_width="match_parent"
                    android:layout_height="wrap_content"
                    android:paddingRight="16dp"
                    android:paddingLeft="16dp"
                    android:paddingTop="16dp"

                    android:text="No bookmarked notices"
                    android:textSize="20dp"
                    android:textAlignment="center"
                />
            </LinearLayout>
        </LinearLayout>

    </android.support.v4.widget.SwipeRefreshLayout>
</FrameLayout>

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="@dimen/nav_header_height"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    android:background="@drawable/side_nav_bar"
    android:gravity="bottom"
    android:orientation="vertical"
    android:paddingBottom="@dimen/activity_vertical_margin"
    android:paddingLeft="@dimen/activity_horizontal_margin"

```

```

        android:paddingRight="@dimen/activity_horizontal_margin"
        android:paddingTop="@dimen/activity_vertical_margin"
        android:theme="@style/ThemeOverlay.AppCompat.Dark">

<!--ImageView
    android:id="@+id/imageView"
    android:layout_width="72dp"
    android:layout_height="72dp"
    android:paddingTop="@dimen/nav_header_vertical_spacing"
    android:scaleType="fitXY"
    android:src="@android:drawable/sym_def_app_icon"/-->

<com.mikhaellopez.circularimageview.CircularImageView
    android:layout_width="65dp"
    android:layout_height="65dp"
    android:paddingTop="50dp"
    android:src="@drawable/ic_about"
    app:civ_border_color="#EEEEEE"
    app:civ_border_width="4dp"
    android:id="@+id/img_profile"
    android:clickable="true"/>

<TextView
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:textSize="14sp"
    android:paddingTop="7dp"
    android:text="Android Studio"
    android:id="@+id/txt_name"
    android:textAppearance="@style/TextAppearance.AppCompat.Body1"/>

<TextView
    android:id="@+id/txt_universityroll"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:textSize="14sp"/>

</LinearLayout>

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal">

    <ImageView
        android:layout_width="10dp"
        android:layout_height="72dp"
        android:background="#F44336"

        android:id="@+id/urgency"/>

    <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
        android:layout_width="match_parent"
        android:layout_height="72dp"
        android:paddingLeft="16dp"
        android:orientation="vertical"
        android:paddingRight="16dp"
        android:gravity="center">

        <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:orientation="horizontal"

```

```

        android:paddingRight="16dp"
        android:paddingBottom="10dp"
        android:gravity="center">

        <TextView
            android:layout_width="240dp"
            android:layout_height="wrap_content"
            android:id="@+id/txt_newsheader"
            android:text="News Header"
            android:textColor="#000000"
            android:textSize="16sp"
            android:paddingRight="5dp"
            android:singleLine="true"/>

        <TextView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:id="@+id/txt_newsdate"
            android:text="Date"
            android:textAlignment="textEnd"
            android:singleLine="true"
            android:textColor="#000000"
            android:textSize="14sp"
            android:layout_weight="1"/>

    </LinearLayout>
    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/txt_newsbody"
        android:text="The body is displayed here"
        android:singleLine="true"
        android:textSize="14sp"/>
    </LinearLayout>
</LinearLayout>

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:gravity="center"
    android:orientation="vertical">

    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/txt_dayname"
        android:text="Monday"
        android:layout_margin="15dp"
        android:textSize="27sp"
        android:singleLine="true"
        android:textColor="#254286"
        android:textStyle="bold">
    </TextView>

</LinearLayout>

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal">

```

```

<ImageView
    android:layout_width="10dp"
    android:layout_height="72dp"
    android:background="#F44336"

    android:id="@+id/urgency"/>

<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="72dp"
    android:paddingLeft="16dp"
    android:orientation="vertical"
    android:paddingRight="16dp"
    android:gravity="center">

    <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="horizontal"
        android:paddingRight="16dp"
        android:paddingBottom="10dp"
        android:gravity="center">

        <TextView
            android:layout_width="240dp"
            android:layout_height="wrap_content"
            android:id="@+id/txt_newsheader"
            android:text="News Header"
            android:textColor="#000000"
            android:textSize="16sp"
            android:paddingRight="5dp"
            android:singleLine="true"/>

            <TextView
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:id="@+id/txt_newsdate"
                android:text="Date"
                android:textAlignment="textEnd"
                android:singleLine="true"
                android:textColor="#000000"
                android:textSize="14sp"
                android:layout_weight="1"/>

        </LinearLayout>
        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:id="@+id/txt_newsbody"
            android:text="The body is displayed here"
            android:singleLine="true"
            android:textSize="14sp"/>
    </LinearLayout>
</LinearLayout>

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal">

    <ImageView
        android:layout_width="10dp"

```



```

        android:layout_height="72dp"
        android:background="#F44336"

        android:id="@+id/urgency"/>

<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="72dp"
    android:paddingLeft="16dp"
    android:orientation="vertical"
    android:paddingRight="16dp"
    android:gravity="center">

    <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="horizontal"
        android:paddingRight="16dp"
        android:paddingBottom="10dp"
        android:gravity="center">

        <TextView
            android:layout_width="240dp"
            android:layout_height="wrap_content"
            android:id="@+id/txt_newsheader"
            android:text="News Header"
            android:textColor="#000000"
            android:textSize="16sp"
            android:paddingRight="5dp"
            android:singleLine="true"/>

        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:id="@+id/txt_newsdate"
            android:text="Date"
            android:textAlignment="textEnd"
            android:singleLine="true"
            android:textColor="#000000"
            android:textSize="14sp"
            android:layout_weight="4"/>

    </LinearLayout>
    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/txt_newsbody"
        android:text="The body is displayed here"
        android:singleLine="true"
        android:textSize="14sp"/>
</LinearLayout>
</LinearLayout>

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal">

    <TextView
        android:layout_width="72dp"
        android:layout_height="72dp"
        android:text="130212"

```

```

        android:textSize="16dp"
        android:textColor="#000000"
        android:textAlignment="center"
        android:paddingTop="25dp"
        android:paddingBottom="25dp"
        android:background="#a0b4e1"
        android:textStyle="bold"
        android:id="@+id/txt_bookid"/>

<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="72dp"
    android:orientation="vertical"
    android:gravity="center"
    android:paddingRight="16dp"
    android:paddingTop="8dp"
    android:paddingLeft="10dp"

>

<TextView
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:id="@+id/txt_bookname"
    android:text="Book name"
    android:textColor="#000000"
    android:textSize="16sp"
    android:singleLine="true"/>

<TextView
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:id="@+id/txt_author"
    android:text="Author"
    android:textStyle="italic"
    android:textAlignment="textEnd"
    android:textSize="14sp"
    android:singleLine="true"/>

<TextView
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:id="@+id/txt_issuedate"
    android:textStyle="italic"
    android:text="Time"
    android:textAlignment="textEnd"
    android:textSize="14sp"
    android:singleLine="true"/>

</LinearLayout>
</LinearLayout>

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="horizontal">

<ImageView
    android:layout_width="10dp"
    android:layout_height="72dp"
    android:background="#254286"/>

<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"

```



```

        android:layout_width="match_parent"
        android:layout_height="72dp"
        android:paddingLeft="16dp"
        android:orientation="vertical"
        android:paddingRight="16dp"
        android:gravity="center"
        android:paddingTop="10dp"
    >

    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/txt_subjectname"
        android:text="Subject Name"
        android:textColor="#000000"
        android:textSize="16sp"
        android:singleLine="true"/>

    <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="horizontal"
        android:paddingRight="16dp"
        android:layout_marginBottom="10dp"
        android:gravity="center"
        android:paddingTop="10dp">

        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:id="@+id/txt_subjectcode"
            android:text="Subject code"
            android:textAlignment="viewStart"
            android:layout_weight="3"
            android:textSize="14sp"/>

        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:id="@+id/txt_timing"
            android:text="Timing"
            android:textAlignment="textEnd"
            android:layout_weight="2"
            android:textSize="14sp"/>

    </LinearLayout>
</LinearLayout>
</LinearLayout>

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:orientation="horizontal"
    android:layout_width="match_parent"
    android:layout_height="match_parent">

    <ImageView
        android:layout_width="10dp"
        android:layout_height="72dp"
        android:background="#F44335"
        android:id="@+id/urgency"/>

    <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
        android:layout_width="match_parent"
        android:layout_height="72dp"
        android:paddingLeft="16dp"
        android:orientation="vertical"

```

```

        android:paddingRight="16dp"
        android:gravity="center">

<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal"
    android:paddingRight="16dp"
    android:paddingBottom="10dp"
    android:gravity="center">

    <TextView
        android:layout_width="240dp"
        android:layout_height="wrap_content"
        android:id="@+id/txt_newsheader"
        android:text="News Header"
        android:textColor="#000000"
        android:textSize="16sp"
        android:singleLine="true"/>

    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/txt_newsdate"
        android:text="Date"
        android:textAlignment="center"
        android:singleLine="true"
        android:textColor="#000000"
        android:textSize="14sp"
        android:layout_weight="4"/>

</LinearLayout>
<TextView
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:id="@+id/txt_newsbody"
    android:text="The body is displayed here"
    android:singleLine="true"
    android:textSize="14sp"/>
</LinearLayout>

</LinearLayout>

```

Animation XML Files

```

<?xml version="1.0" encoding="utf-8"?>
<set xmlns:android="http://schemas.android.com/apk/res/android"
    android:fillAfter="true">
    <scale
        android:duration="300"
        android:fromXScale="0.8"
        android:fromYScale="0.8"
        android:interpolator="@android:anim/linear_interpolator"
        android:toXScale="0.0"
        android:pivotX="50%"
        android:pivotY="50%"
        android:toYScale="0.0" />
    <alpha android:fromAlpha="1.0"
        android:toAlpha="0.0"
        android:interpolator="@android:anim/accelerate_interpolator"
        android:duration="300"/>
</set>

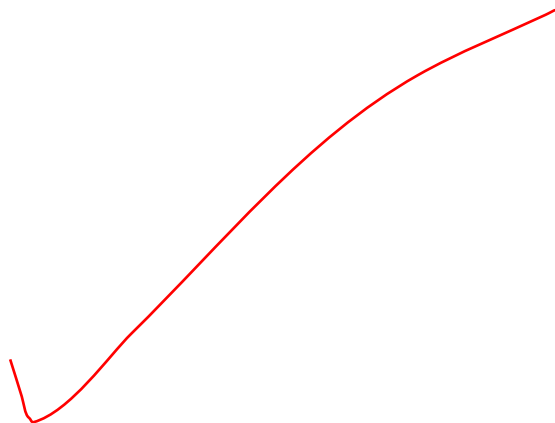
```

```

<?xml version="1.0" encoding="utf-8"?>
<set xmlns:android="http://schemas.android.com/apk/res/android"
    android:fillAfter="true">
    <scale
        android:duration="300"
        android:fromXScale="0.0"
        android:fromYScale="0.0"
        android:interpolator="@android:anim/linear_interpolator"
        android:toXScale="0.8"
        android:pivotX="50%"
        android:pivotY="50%"
        android:toYScale="0.8" />
    <alpha
        android:fromAlpha="0.0"
        android:toAlpha="1.0"
        android:interpolator="@android:anim/accelerate_interpolator"
        android:duration="300"/>
</set>
<?xml version="1.0" encoding="utf-8"?>
<set xmlns:android="http://schemas.android.com/apk/res/android"
    android:fillAfter="true" >
    <rotate android:fromDegrees="45"
        android:toDegrees="0"
        android:pivotX="50%"
        android:pivotY="50%"
        android:duration="300"
        android:interpolator="@android:anim/linear_interpolator"/>
</set>

<?xml version="1.0" encoding="utf-8"?>
<set xmlns:android="http://schemas.android.com/apk/res/android"
    android:fillAfter="true" >
    <rotate android:fromDegrees="0"
        android:toDegrees="45"
        android:pivotX="50%"
        android:pivotY="50%"
        android:duration="300"
        android:interpolator="@android:anim/linear_interpolator"/>
</set>

```



Certificate

This is to certify that Mr Arkadeep Saha (JIS College of Engineering, college roll: 130202022, college registration: 131230110175), Tuhin Roy (JIS College of Engineering, college roll: 130202111, college registration: 131230110264) and Sourav Barui (RCC Institute of Information Technology, college roll: 11700113082, college reg: 131170110084) has successfully completed a project on 'College Companion' using 'Mobile Application using Android 5 (Lollipop)' under the guidance of Mr Alankar Sooraj.

ALANKAR SOORAJ

[Name of faculty]

Very Good

Globsyn Finishing School
(a division of Globsyn Skills)

Alankar Sooraj

