**ATTENDANCE TRACKER**

A project report submitted for

**Android Apps Development Lab (Semester VII)**

by

Orvell Ferreira (8671)

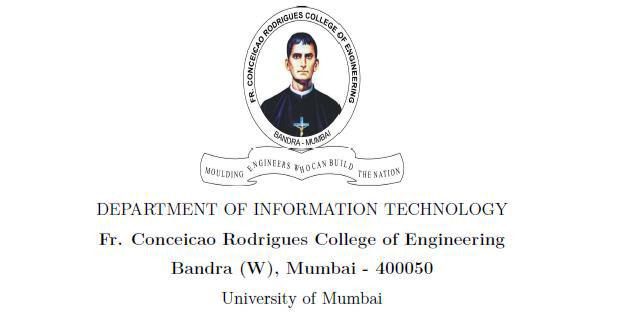
Clint Ferreira(8670)

Parva Juthani (8674)

Under the guidance of

Prof. Nilesh Patil

(sign with date)



**APPROVAL SHEET**

**Project Report Approval**

This project report entitled as ATTENDANCE TRACKER by **Orvell Ferreira (8671), Clint Ferreira (8670), Parva Juthani (8674)** is approved as project for **Android Apps Development Lab** in Fourth year Engineering (Sem - VII), Information Technology.

Examiners

1.——————————

2.——————————

Date:

Place: Mumbai

**ABSTRACT**

Successful industries, schools, universities begin by engaging students and making sure that they will come regularly so the attendance rate become very important. The attendance is important because students are more likely to succeed in academics when they attend class consistently. It’s difficult for the lecturer to build students' skills and progress if a large number of students are frequently absent. Marking attendance in the class meeting session and recording the marks of the students are the prime tasks of the subject handlers, since marking the attendance can regulate the students to attend the classes. Moreover, it verifies number of students present in the conducted classes. The purpose of recording the marks is to analyse the performance of the students in terms of curricular activities. Earlier, the tasks of marking attendance and recording the marks are handled manually by pen and paper method. This method consumes more time and adds more workload to the subject handlers and sometimes the data may prone to error. To avoid these problems, this paper presents a mobile application for student attendance and mark management system. This application is mainly designed for the faculties who maintain attendance and marks regularly. Using this system, the subject handlers, staffs or the authorities can verify the number of students present or absent in the class meeting sessions. It also allows the faculty to send an SMS intimation to students of their attendance and alearts them if they are a defaulter.

**CODE & SCREENSHOT**

**(All .java and .xml files)**

**Java Files**

**MainActivity.java**

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| **package com.android.attendance.activity;  import com.example.androidattendancesystem.R;  import android.os.Bundle; import android.app.Activity; import android.content.Intent; import android.view.Menu; import android.view.View; import android.view.View.OnClickListener; import android.widget.Button;  public class MainActivity extends Activity {   Button start;   @Override  protected void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  setContentView(R.layout.*activity\_main*);   start =(Button)findViewById(R.id.*buttonstart*);  start.setOnClickListener(new OnClickListener() {   @Override  public void onClick(View v) {  // *TODO Auto-generated method stub* Intent intent =new Intent(MainActivity.this,LoginActivity.class);  startActivity(intent);  }  });     }   @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;  }  }** |

**AddAttendanceSessionActivity.java**

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| **package com.android.attendance.activity;  import java.util.ArrayList; import java.util.Calendar;  import com.android.attendance.bean.AttendanceBean; import com.android.attendance.bean.AttendanceSessionBean; import com.android.attendance.bean.FacultyBean; import com.android.attendance.bean.StudentBean; import com.android.attendance.context.ApplicationContext; import com.android.attendance.db.DBAdapter; import com.example.androidattendancesystem.R;  import android.app.Activity; import android.app.DatePickerDialog; import android.app.Dialog; import android.content.Intent; import android.graphics.Color; import android.os.Bundle; import android.text.TextUtils; import android.view.Menu; import android.view.View; import android.view.View.OnClickListener; import android.widget.AdapterView; import android.widget.AdapterView.OnItemSelectedListener; import android.widget.ArrayAdapter; import android.widget.Button; import android.widget.DatePicker; import android.widget.EditText; import android.widget.ImageButton; import android.widget.Spinner; import android.widget.TextView; import android.widget.Toast;  public class AddAttandanceSessionActivity<AddAttandanceActivity> extends Activity {   private ImageButton date;  private Calendar cal;  private int day;  private int month;  private int dyear;  private EditText dateEditText;  Button submit;  Button viewAttendance;  Button viewTotalAttendance;  Spinner spinnerbranch,spinneryear,spinnerSubject;  String branch = "cse";  String year = "SE";  String subject = "SC";   private String[] branchString = new String[] { "CSE","IT","EE","PE"};  private String[] yearString = new String[] {"FE","SE","TE","BE"};  private String[] subjectSEString = new String[] {"SC","MC"};  private String[] subjectTEString = new String[] {"GT","CN"};  private String[] subjectBEString = new String[] {"DS","NS"};   private String[] subjectFinal = new String[] {"M3","DS","M4","CN","M5","NS"};  AttendanceSessionBean attendanceSessionBean;   @Override  protected void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  setContentView(R.layout.*add\_attandance*);   //Assume subject will be SE  //subjectFinal = subjectSEString;   spinnerbranch=(Spinner)findViewById(R.id.*spinner1*);  spinneryear=(Spinner)findViewById(R.id.*spinneryear*);  spinnerSubject=(Spinner)findViewById(R.id.*spinnerSE*);   ArrayAdapter<String> adapter\_branch = new ArrayAdapter<String>(this,android.R.layout.*simple\_spinner\_item*, branchString);  adapter\_branch.setDropDownViewResource(android.R.layout.*simple\_spinner\_dropdown\_item*);  spinnerbranch.setAdapter(adapter\_branch);  spinnerbranch.setOnItemSelectedListener(new OnItemSelectedListener() {  @Override  public void onItemSelected(AdapterView<?> arg0, View view,  int arg2, long arg3) {  // *TODO Auto-generated method stub* ((TextView) arg0.getChildAt(0)).setTextColor(Color.*BLACK*);  branch =(String) spinnerbranch.getSelectedItem();  }   @Override  public void onNothingSelected(AdapterView<?> arg0) {  // *TODO Auto-generated method stub* }  });   ///......................spinner2  ArrayAdapter<String> adapter\_year = new ArrayAdapter<String>(this, android.R.layout.*simple\_spinner\_item*, yearString);  adapter\_year.setDropDownViewResource(android.R.layout.*simple\_spinner\_dropdown\_item*);  spinneryear.setAdapter(adapter\_year);  spinneryear.setOnItemSelectedListener(new OnItemSelectedListener() {  @Override  public void onItemSelected(AdapterView<?> arg0, View view,  int arg2, long arg3) {  // *TODO Auto-generated method stub* ((TextView) arg0.getChildAt(0)).setTextColor(Color.*BLACK*);  year =(String) spinneryear.getSelectedItem();  Toast.*makeText*(getApplicationContext(), "year:"+year, Toast.*LENGTH\_SHORT*).show();   /\*if(year.equalsIgnoreCase("se"))  {  subjectFinal = subjectSEString;  }  else if(year.equalsIgnoreCase("te"))  {  subjectFinal = subjectTEString;  }  else if(year.equalsIgnoreCase("be"))  {  subjectFinal = subjectBEString;  }\*/   }   @Override  public void onNothingSelected(AdapterView<?> arg0) {  // *TODO Auto-generated method stub* }  });   ArrayAdapter<String> adapter\_subject = new ArrayAdapter<String>(this, android.R.layout.*simple\_spinner\_item*, subjectFinal);  adapter\_subject.setDropDownViewResource(android.R.layout.*simple\_spinner\_dropdown\_item*);  spinnerSubject.setAdapter(adapter\_subject);  spinnerSubject.setOnItemSelectedListener(new OnItemSelectedListener() {  @Override  public void onItemSelected(AdapterView<?> arg0, View view,  int arg2, long arg3) {  // *TODO Auto-generated method stub* ((TextView) arg0.getChildAt(0)).setTextColor(Color.*BLACK*);  subject =(String) spinnerSubject.getSelectedItem();   }   @Override  public void onNothingSelected(AdapterView<?> arg0) {  // *TODO Auto-generated method stub* }  });    date = (ImageButton) findViewById(R.id.*DateImageButton*);  cal = Calendar.*getInstance*();  day = cal.get(Calendar.*DAY\_OF\_MONTH*);  month = cal.get(Calendar.*MONTH*);  dyear = cal.get(Calendar.*YEAR*);  dateEditText = (EditText) findViewById(R.id.*DateEditText*);  date.setOnClickListener(new OnClickListener() {   @Override  public void onClick(View arg0) {  showDialog(0);   }  });   submit=(Button)findViewById(R.id.*buttonsubmit*);  submit.setOnClickListener(new OnClickListener() {   @Override  public void onClick(View arg0) {   AttendanceSessionBean attendanceSessionBean = new AttendanceSessionBean();  FacultyBean bean=((ApplicationContext)AddAttandanceSessionActivity.this.getApplicationContext()).getFacultyBean();   attendanceSessionBean.setAttendance\_session\_faculty\_id(bean.getFaculty\_id());  attendanceSessionBean.setAttendance\_session\_department(branch);  attendanceSessionBean.setAttendance\_session\_class(year);  attendanceSessionBean.setAttendance\_session\_date(dateEditText.getText().toString());  attendanceSessionBean.setAttendance\_session\_subject(subject);   DBAdapter dbAdapter = new DBAdapter(AddAttandanceSessionActivity.this);  int sessionId= dbAdapter.addAttendanceSession(attendanceSessionBean);   ArrayList<StudentBean> studentBeanList=dbAdapter.getAllStudentByBranchYear(branch, year);   ((ApplicationContext)AddAttandanceSessionActivity.this.getApplicationContext()).setStudentBeanList(studentBeanList);    Intent intent = new Intent(AddAttandanceSessionActivity.this,AddAttendanceActivity.class);  intent.putExtra("sessionId", sessionId);  startActivity(intent);  }  });    viewAttendance=(Button)findViewById(R.id.*viewAttendancebutton*);  viewAttendance.setOnClickListener(new OnClickListener() {    @Override  public void onClick(View arg0) {    AttendanceSessionBean attendanceSessionBean = new AttendanceSessionBean();  FacultyBean bean=((ApplicationContext)AddAttandanceSessionActivity.this.getApplicationContext()).getFacultyBean();   attendanceSessionBean.setAttendance\_session\_faculty\_id(bean.getFaculty\_id());  attendanceSessionBean.setAttendance\_session\_department(branch);  attendanceSessionBean.setAttendance\_session\_class(year);  attendanceSessionBean.setAttendance\_session\_date(dateEditText.getText().toString());  attendanceSessionBean.setAttendance\_session\_subject(subject);   DBAdapter dbAdapter = new DBAdapter(AddAttandanceSessionActivity.this);    ArrayList<AttendanceBean> attendanceBeanList = dbAdapter.getAttendanceBySessionID(attendanceSessionBean);  ((ApplicationContext)AddAttandanceSessionActivity.this.getApplicationContext()).setAttendanceBeanList(attendanceBeanList);    Intent intent = new Intent(AddAttandanceSessionActivity.this,ViewAttendanceByFacultyActivity.class);  startActivity(intent);    }  });    viewTotalAttendance=(Button)findViewById(R.id.*viewTotalAttendanceButton*);  viewTotalAttendance.setOnClickListener(new OnClickListener() {    @Override  public void onClick(View arg0) {  AttendanceSessionBean attendanceSessionBean = new AttendanceSessionBean();  FacultyBean bean=((ApplicationContext)AddAttandanceSessionActivity.this.getApplicationContext()).getFacultyBean();   attendanceSessionBean.setAttendance\_session\_faculty\_id(bean.getFaculty\_id());  attendanceSessionBean.setAttendance\_session\_department(branch);  attendanceSessionBean.setAttendance\_session\_class(year);  attendanceSessionBean.setAttendance\_session\_subject(subject);   DBAdapter dbAdapter = new DBAdapter(AddAttandanceSessionActivity.this);    ArrayList<AttendanceBean> attendanceBeanList = dbAdapter.getTotalAttendanceBySessionID(attendanceSessionBean);  ((ApplicationContext)AddAttandanceSessionActivity.this.getApplicationContext()).setAttendanceBeanList(attendanceBeanList);    Intent intent = new Intent(AddAttandanceSessionActivity.this,ViewAttendanceByFacultyActivity.class);  startActivity(intent);    }  });  }  @Override  @Deprecated  protected Dialog onCreateDialog(int id) {  return new DatePickerDialog(this, datePickerListener, dyear, month, day);  }  private DatePickerDialog.OnDateSetListener datePickerListener = new DatePickerDialog.OnDateSetListener() {  public void onDateSet(DatePicker view, int selectedYear,  int selectedMonth, int selectedDay) {  dateEditText.setText(selectedDay + " / " + (selectedMonth + 1) + " / "  + selectedYear);  }  };  }** |

**AddAttendanceActivity.java**

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| **package com.android.attendance.activity;  import java.util.ArrayList;  import android.app.Activity; import android.app.Dialog; import android.graphics.Color; import android.os.Bundle; import android.util.Log; import android.view.Menu; import android.view.View; import android.view.View.OnClickListener; import android.view.Window; import android.widget.AdapterView; import android.widget.AdapterView.OnItemClickListener; import android.widget.ArrayAdapter; import android.widget.Button; import android.widget.ListView; import android.widget.RadioButton; import android.widget.RadioGroup; import android.widget.RadioGroup.OnCheckedChangeListener;  import com.android.attendance.bean.AttendanceBean; import com.android.attendance.bean.StudentBean; import com.android.attendance.context.ApplicationContext; import com.android.attendance.db.DBAdapter; import com.example.androidattendancesystem.R;  public class AddAttendanceActivity extends Activity {   ArrayList<StudentBean> studentBeanList;  private ListView listView ;   private ArrayAdapter<String> listAdapter;  int sessionId=0;  String status="P";  Button attendanceSubmit;  DBAdapter dbAdapter = new DBAdapter(this);  @Override  protected void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  setContentView(R.layout.*\_\_listview\_main*);   sessionId = getIntent().getExtras().getInt("sessionId");        listView=(ListView)findViewById(R.id.*listview*);  final ArrayList<String> studentList = new ArrayList<String>();   studentBeanList=((ApplicationContext)AddAttendanceActivity.this.getApplicationContext()).getStudentBeanList();    for(StudentBean studentBean : studentBeanList)  {  String users = studentBean.getStudent\_firstname()+","+studentBean.getStudent\_lastname();    studentList.add(users);  Log.*d*("users: ", users);    }   listAdapter = new ArrayAdapter<String>(this, R.layout.*add\_student\_attendance*, R.id.*labelA*, studentList);  listView.setAdapter( listAdapter );    listView.setOnItemClickListener(new OnItemClickListener() {   @Override  public void onItemClick(AdapterView<?> arg0, View arg1, int arg2,  long arg3) {   arg0.getChildAt(arg2).setBackgroundColor(Color.*TRANSPARENT*);  arg1.setBackgroundColor(334455);  final StudentBean studentBean = studentBeanList.get(arg2);  final Dialog dialog = new Dialog(AddAttendanceActivity.this);  dialog.requestWindowFeature(Window.*FEATURE\_NO\_TITLE*);//...........  dialog.setContentView(R.layout.*test\_layout*);  // set title and cancelable  RadioGroup radioGroup;  RadioButton present;  RadioButton absent;  radioGroup = (RadioGroup) dialog.findViewById(R.id.*radioGroup*);  present=(RadioButton)dialog.findViewById(R.id.*PresentradioButton*);  absent=(RadioButton)dialog.findViewById(R.id.*AbsentradioButton*);  radioGroup.setOnCheckedChangeListener(new OnCheckedChangeListener() {   @Override  public void onCheckedChanged(RadioGroup group, int checkedId) {  if(checkedId == R.id.*PresentradioButton*) {    status = "P";  } else if(checkedId == R.id.*AbsentradioButton*) {   status = "A";  } else {  }  }  });   attendanceSubmit = (Button)dialog.findViewById(R.id.*attendanceSubmitButton*);  attendanceSubmit.setOnClickListener(new OnClickListener() {    @Override  public void onClick(View arg0) {  AttendanceBean attendanceBean = new AttendanceBean();    attendanceBean.setAttendance\_session\_id(sessionId);  attendanceBean.setAttendance\_student\_id(studentBean.getStudent\_id());  attendanceBean.setAttendance\_status(status);    DBAdapter dbAdapter = new DBAdapter(AddAttendanceActivity.this);  dbAdapter.addNewAttendance(attendanceBean);    dialog.dismiss();    }  });    dialog.setCancelable(true);  dialog.show();  }  });     }     @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;  }  }** |

**AddFacultyActivity.java**

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| **package com.android.attendance.activity;  import com.android.attendance.bean.FacultyBean; import com.android.attendance.db.DBAdapter; import com.example.androidattendancesystem.R;  import android.app.Activity; import android.content.Intent; import android.os.Bundle; import android.text.TextUtils; import android.view.Menu; import android.view.View; import android.view.View.OnClickListener; import android.widget.Button; import android.widget.EditText; import android.widget.Spinner; import android.widget.Toast;  public class AddFacultyActivity extends Activity {   Button registerButton;  Button cancelButton;  EditText textFirstName;  EditText textLastName;  EditText textemail;  EditText textcontact;  EditText textaddress;  EditText textusername;  EditText textpassword;    @Override  protected void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  setContentView(R.layout.*addfaculty*);    textFirstName=(EditText)findViewById(R.id.*editTextFirstName*);  textLastName=(EditText)findViewById(R.id.*editTextLastName*);  textcontact=(EditText)findViewById(R.id.*editTextPhone*);  textaddress=(EditText)findViewById(R.id.*editTextaddr*);  textusername=(EditText)findViewById(R.id.*editTextUserName*);  textpassword=(EditText)findViewById(R.id.*editTextPassword*);  registerButton=(Button)findViewById(R.id.*RegisterButton*);  cancelButton=(Button)findViewById(R.id.*Cancel\_Button*);  registerButton.setOnClickListener(new OnClickListener() {   @Override  public void onClick(View v) {  // *TODO Auto-generated method stub* String first\_name = textFirstName.getText().toString();  String last\_name = textLastName.getText().toString();  String phone\_no = textcontact.getText().toString();  String address = textaddress.getText().toString();  String userName = textusername.getText().toString();  String passWord = textpassword.getText().toString();   if (TextUtils.*isEmpty*(first\_name)) {  textFirstName.setError("Please Enter Firstname");  }  else if (TextUtils.*isEmpty*(last\_name)) {  textLastName.setError("Please Enter Lastname");  }  else if (TextUtils.*isEmpty*(phone\_no)) {  textcontact.setError("please Enter Mobile Number");  }   else if (TextUtils.*isEmpty*(address)) {  textaddress.setError("Enter Address");  }   else if (TextUtils.*isEmpty*(userName)) {  textcontact.setError("Please Enter Username");  }  else if (TextUtils.*isEmpty*(passWord)) {  textaddress.setError("Enter Password");  }   else {     FacultyBean facultyBean = new FacultyBean();  facultyBean.setFaculty\_firstname(first\_name);  facultyBean.setFaculty\_lastname(last\_name);  facultyBean.setFaculty\_mobilenumber(phone\_no);  facultyBean.setFaculty\_address(address);  facultyBean.setFaculty\_username(userName);  facultyBean.setFaculty\_password(passWord);    DBAdapter dbAdapter = new DBAdapter(AddFacultyActivity.this);  dbAdapter.addFaculty(facultyBean);    Intent intent =new Intent(AddFacultyActivity.this,MenuActivity.class);  startActivity(intent);  Toast.*makeText*(getApplicationContext(), "Faculty Added Successfully", Toast.*LENGTH\_SHORT*).show();   }   }  });   cancelButton.setOnClickListener(new OnClickListener() {  public void onClick(View v) {  Intent intent =new Intent(AddFacultyActivity.this,MenuActivity.class);  startActivity(intent);  }  });   }   @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;  }  }** |

**AddStudentActivity.java**

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| **package com.android.attendance.activity;  import com.android.attendance.bean.StudentBean; import com.android.attendance.db.DBAdapter; import com.example.androidattendancesystem.R;  import android.app.Activity; import android.content.Intent; import android.graphics.Color; import android.os.Bundle; import android.text.TextUtils; import android.view.Menu; import android.view.View; import android.view.View.OnClickListener; import android.widget.AdapterView; import android.widget.AdapterView.OnItemSelectedListener; import android.widget.ArrayAdapter; import android.widget.Button; import android.widget.EditText; import android.widget.Spinner; import android.widget.TextView; import android.widget.Toast;  public class AddStudentActivity extends Activity {   Button registerButton;  Button cancelButton;  EditText textFirstName;  EditText textLastName;   EditText textcontact;  EditText textaddress;  Spinner spinnerbranch,spinneryear;  String userrole,branch,year;  private final String[] branchString = new String[] { "CSE","IT","EE","PE"};  private final String[] yearString = new String[] {"FE","SE","TE","BE"};   @Override  protected void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  setContentView(R.layout.*addstudent*);   spinnerbranch=(Spinner)findViewById(R.id.*spinnerdept*);  spinneryear=(Spinner)findViewById(R.id.*spinneryear*);  textFirstName=(EditText)findViewById(R.id.*editTextFirstName*);  textLastName=(EditText)findViewById(R.id.*editTextLastName*);  textcontact=(EditText)findViewById(R.id.*editTextPhone*);  textaddress=(EditText)findViewById(R.id.*editTextaddr*);  registerButton=(Button)findViewById(R.id.*RegisterButton*);  cancelButton=(Button)findViewById(R.id.*Cancel\_Button*);  spinnerbranch.setOnItemSelectedListener(new OnItemSelectedListener() {  @Override  public void onItemSelected(AdapterView<?> arg0, View view,  int arg2, long arg3) {  // *TODO Auto-generated method stub* ((TextView) arg0.getChildAt(0)).setTextColor(Color.*BLACK*);  ((TextView) arg0.getChildAt(0)).setTextSize(20);  branch =(String) spinnerbranch.getSelectedItem();   }   @Override  public void onNothingSelected(AdapterView<?> arg0) {  // *TODO Auto-generated method stub* }  });   ArrayAdapter<String> adapter\_branch = new ArrayAdapter<String>(this,  android.R.layout.*simple\_spinner\_item*, branchString);  adapter\_branch  .setDropDownViewResource(android.R.layout.*simple\_spinner\_dropdown\_item*);  spinnerbranch.setAdapter(adapter\_branch);   ///......................spinner2   spinneryear.setOnItemSelectedListener(new OnItemSelectedListener() {  @Override  public void onItemSelected(AdapterView<?> arg0, View view,  int arg2, long arg3) {  // *TODO Auto-generated method stub* ((TextView) arg0.getChildAt(0)).setTextColor(Color.*BLACK*);    year =(String) spinneryear.getSelectedItem();   }   @Override  public void onNothingSelected(AdapterView<?> arg0) {  // *TODO Auto-generated method stub* }  });   ArrayAdapter<String> adapter\_year = new ArrayAdapter<String>(this,  android.R.layout.*simple\_spinner\_item*, yearString);  adapter\_year  .setDropDownViewResource(android.R.layout.*simple\_spinner\_dropdown\_item*);  spinneryear.setAdapter(adapter\_year);     registerButton.setOnClickListener(new OnClickListener() {   @Override  public void onClick(View v) {  // *TODO Auto-generated method stub* //......................................validation  String first\_name = textFirstName.getText().toString();  String last\_name = textLastName.getText().toString();  String phone\_no = textcontact.getText().toString();  String address = textaddress.getText().toString();   if (TextUtils.*isEmpty*(first\_name)) {  textFirstName.setError("Please Enter Firstname");  }   else if (TextUtils.*isEmpty*(last\_name)) {  textLastName.setError("Please Enter Lastname");  }  else if (TextUtils.*isEmpty*(phone\_no)) {  textcontact.setError("Please Enter Contact Number");  }   else if (TextUtils.*isEmpty*(address)) {  textaddress.setError("Enter Address");  }   else {    StudentBean studentBean = new StudentBean();    studentBean.setStudent\_firstname(first\_name);  studentBean.setStudent\_lastname(last\_name);  studentBean.setStudent\_mobilenumber(phone\_no);  studentBean.setStudent\_address(address);  studentBean.setStudent\_department(branch);  studentBean.setStudent\_class(year);    DBAdapter dbAdapter= new DBAdapter(AddStudentActivity.this);  dbAdapter.addStudent(studentBean);    Intent intent =new Intent(AddStudentActivity.this,MenuActivity.class);  startActivity(intent);  Toast.*makeText*(getApplicationContext(), "Student Added Successfully", Toast.*LENGTH\_SHORT*).show();   }  }  });  cancelButton.setOnClickListener(new OnClickListener() {  @Override  public void onClick(View v)  {  Intent i = new Intent(AddStudentActivity.this, MenuActivity.class);  startActivity(i);   }   });  }    @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;  }  }** |

**LoginActivity.java**

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| **package com.android.attendance.activity;  import android.app.Activity; import android.content.Intent; import android.graphics.Color; import android.os.Bundle; import android.text.TextUtils; import android.view.Menu; import android.view.View; import android.view.View.OnClickListener; import android.widget.AdapterView; import android.widget.AdapterView.OnItemSelectedListener; import android.widget.ArrayAdapter; import android.widget.Button; import android.widget.EditText; import android.widget.Spinner; import android.widget.TextView; import android.widget.Toast;  import com.android.attendance.bean.FacultyBean; import com.android.attendance.context.ApplicationContext; import com.android.attendance.db.DBAdapter; import com.example.androidattendancesystem.R;  public class LoginActivity extends Activity {   Button login;  EditText username,password;  Spinner spinnerloginas;  String userrole;  private final String[] userRoleString = new String[] { "Admin", "Faculty"};   @Override  protected void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  setContentView(R.layout.*login*);   login =(Button)findViewById(R.id.*buttonlogin*);  username=(EditText)findViewById(R.id.*editTextusername*);  password=(EditText)findViewById(R.id.*editTextpassword*);  spinnerloginas=(Spinner)findViewById(R.id.*spinnerloginas*);      spinnerloginas.setOnItemSelectedListener(new OnItemSelectedListener() {  @Override  public void onItemSelected(AdapterView<?> arg0, View view,  int arg2, long arg3) {  // *TODO Auto-generated method stub* ((TextView) arg0.getChildAt(0)).setTextColor(Color.*RED*);  ((TextView) arg0.getChildAt(0)).setTextSize(25);  userrole =(String) spinnerloginas.getSelectedItem();   }   @Override  public void onNothingSelected(AdapterView<?> arg0) {  // *TODO Auto-generated method stub* }  });   ArrayAdapter<String> adapter\_role = new ArrayAdapter<String>(this,  android.R.layout.*simple\_spinner\_item*, userRoleString);  adapter\_role  .setDropDownViewResource(android.R.layout.*simple\_spinner\_dropdown\_item*);  spinnerloginas.setAdapter(adapter\_role);   login.setOnClickListener(new OnClickListener() {   @Override  public void onClick(View v) {  // *TODO Auto-generated method stub* if(userrole.equals("Admin"))  {   String user\_name = username.getText().toString();  String pass\_word = password.getText().toString();   if (TextUtils.*isEmpty*(user\_name))   {  username.setError("Invalid User Name");  }  else if(TextUtils.*isEmpty*(pass\_word))  {  password.setError("enter password");  }  else  {  if(user\_name.equals("admin") & pass\_word.equals("admin123")){  Intent intent =new Intent(LoginActivity.this,MenuActivity.class);  startActivity(intent);  Toast.*makeText*(getApplicationContext(), "Login successful", Toast.*LENGTH\_SHORT*).show();  }else{  Toast.*makeText*(getApplicationContext(), "Login failed", Toast.*LENGTH\_SHORT*).show();  }  }  }    else  {  String user\_name = username.getText().toString();  String pass\_word = password.getText().toString();   if (TextUtils.*isEmpty*(user\_name))   {  username.setError("Invalid User Name");  }  else if(TextUtils.*isEmpty*(pass\_word))  {  password.setError("enter password");  }  DBAdapter dbAdapter = new DBAdapter(LoginActivity.this);  FacultyBean facultyBean = dbAdapter.validateFaculty(user\_name, pass\_word);    if(facultyBean!=null)  {  Intent intent = new Intent(LoginActivity.this,AddAttandanceSessionActivity.class);  startActivity(intent);  ((ApplicationContext)LoginActivity.this.getApplicationContext()).setFacultyBean(facultyBean);  Toast.*makeText*(getApplicationContext(), "Login successful", Toast.*LENGTH\_SHORT*).show();  }  else  {  Toast.*makeText*(getApplicationContext(), "Login failed", Toast.*LENGTH\_SHORT*).show();  }  }    }  });     }   @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;  }  }** |

**MenuActivity.java**

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| **package com.android.attendance.activity;  import java.util.ArrayList;  import com.android.attendance.bean.AttendanceBean; import com.android.attendance.bean.StudentBean; import com.android.attendance.context.ApplicationContext; import com.android.attendance.db.DBAdapter; import com.example.androidattendancesystem.R; import android.telephony.SmsManager;  import android.os.Bundle; import android.app.Activity; import android.content.Intent; import android.util.Log; import android.view.Menu; import android.view.View; import android.view.View.OnClickListener; import android.widget.ArrayAdapter; import android.widget.Button; import android.widget.ListView; import android.widget.Toast;  import static android.content.ContentValues.*TAG*;  public class MenuActivity extends Activity {   Button addStudent;  Button addFaculty;  Button viewStudent;  Button viewFaculty;  Button logout;  Button attendancePerStudent;   private ListView listView ;  private ArrayAdapter<String> listAdapter;     public void sendMessage(View view)  {  DBAdapter dbAdapter = new DBAdapter(this);  final ArrayList<String> studentList = new ArrayList<String>();  ArrayList<AttendanceBean> attendanceBeanList;   ArrayList<StudentBean> studentBeanList;  studentBeanList=dbAdapter.getAllStudentmobile();  attendanceBeanList=((ApplicationContext)MenuActivity.this.getApplicationContext()).getAttendanceBeanList();   try {  ArrayList<String> arr = new ArrayList<String>();     {  String att= ""+ attendanceBean.getAttendance\_session\_id();  att=att.trim();  arr.add(att);  //Log.d(TAG, "Attendence"+att);     }    int i =0;    for(StudentBean studentBean : studentBeanList)  {  String users = studentBean.getStudent\_mobilenumber();   studentList.add(users);  String temp = arr.get(i);  int flag=0;  int number = Integer.*parseInt*(temp);  if(number<5)  {  flag=1;  }  if(flag==1)  {  SmsManager smgr = SmsManager.*getDefault*();  smgr.sendTextMessage(users,null,"Your attendance is "+temp+" You are a DEFAULTER",null,null);  Log.*d*(*TAG*, "sendMessage: "+"Your attendance is " + temp + " You are a DEFAULTER");  }  else  {  SmsManager smgr = SmsManager.*getDefault*();  smgr.sendTextMessage(users,null,"Your attendance is "+temp,null,null);  Log.*d*(*TAG*, "sendMessage: "+"Your attendance is " + temp);   }    i++;    }  Toast.*makeText*(MenuActivity.this,"Message sent to all Students Successfully",Toast.*LENGTH\_SHORT*).show();     }  catch (Exception e)  {  Toast.*makeText*(MenuActivity.this,"SMS Failed",Toast.*LENGTH\_SHORT*).show();  }   }   @Override  protected void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  setContentView(R.layout.*menu*);   addStudent =(Button)findViewById(R.id.*buttonaddstudent*);  addFaculty =(Button)findViewById(R.id.*buttonaddfaculty*);  viewStudent =(Button)findViewById(R.id.*buttonViewstudent*);  viewFaculty =(Button)findViewById(R.id.*buttonviewfaculty*);   logout =(Button)findViewById(R.id.*buttonlogout*);    addStudent.setOnClickListener(new OnClickListener() {   @Override  public void onClick(View v) {  // *TODO Auto-generated method stub* Intent intent =new Intent(MenuActivity.this,AddStudentActivity.class);  startActivity(intent);  }  });    addFaculty.setOnClickListener(new OnClickListener() {   @Override  public void onClick(View v) {  // *TODO Auto-generated method stub* Intent intent =new Intent(MenuActivity.this,AddFacultyActivity.class);  startActivity(intent);  }  });    viewFaculty.setOnClickListener(new OnClickListener() {   @Override  public void onClick(View v) {  // *TODO Auto-generated method stub* Intent intent =new Intent(MenuActivity.this,ViewFacultyActivity.class);  startActivity(intent);  }  });    viewStudent.setOnClickListener(new OnClickListener() {   @Override  public void onClick(View v) {  // *TODO Auto-generated method stub* Intent intent =new Intent(MenuActivity.this,ViewStudentActivity.class);  startActivity(intent);  }  });  logout.setOnClickListener(new OnClickListener() {   @Override  public void onClick(View v) {  // *TODO Auto-generated method stub* Intent intent =new Intent(MenuActivity.this,MainActivity.class);  intent.addFlags(Intent.*FLAG\_ACTIVITY\_CLEAR\_TOP*);  startActivity(intent);  }  });  attendancePerStudent=(Button)findViewById(R.id.*attendancePerStudentButton*);  attendancePerStudent.setOnClickListener(new OnClickListener() {    @Override  public void onClick(View arg0) {    DBAdapter dbAdapter = new DBAdapter(MenuActivity.this);  ArrayList<AttendanceBean> attendanceBeanList=dbAdapter.getAllAttendanceByStudent();  ((ApplicationContext)MenuActivity.this.getApplicationContext()).setAttendanceBeanList(attendanceBeanList);    Intent intent = new Intent(MenuActivity.this,ViewAttendancePerStudentActivity.class);  startActivity(intent);    }  });       }   @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;  }  }** |

**TestActivity.java**

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| **package com.android.attendance.activity;  import java.util.ArrayList;  import com.android.attendance.bean.AttendanceBean; import com.android.attendance.bean.AttendanceSessionBean; import com.android.attendance.bean.FacultyBean; import com.android.attendance.bean.StudentBean; import com.android.attendance.db.DBAdapter; import com.example.androidattendancesystem.R;  import android.os.Bundle; import android.app.Activity; import android.util.Log; import android.view.Menu; import android.view.View; import android.view.View.OnClickListener; import android.widget.Button;  public class TestActivity extends Activity {   Button submit;    @Override  protected void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  setContentView(R.layout.*test\_main*);    submit=(Button)findViewById(R.id.*button1*);          submit.setOnClickListener(new OnClickListener() {    @Override  public void onClick(View arg0) {  DBAdapter dbAdapter = new DBAdapter(TestActivity.this);  AttendanceSessionBean attendanceSessionBean = new AttendanceSessionBean();      attendanceSessionBean.setAttendance\_session\_faculty\_id(1);  attendanceSessionBean.setAttendance\_session\_department("CSE");  attendanceSessionBean.setAttendance\_session\_class("BE");  attendanceSessionBean.setAttendance\_session\_date("06/04/2016");  attendanceSessionBean.setAttendance\_session\_subject("DataBase");    dbAdapter.addAttendanceSession(attendanceSessionBean);  Log.*d*("add", "inserted");    /\*AttendanceSessionBean bean = new AttendanceSessionBean();  bean=dbAdapter.getAttendance();  Log.d("AsessionId", bean.getAttendance\_session\_id()+"");  Log.d("fId", bean.getAttendance\_session\_faculty\_id()+"");  Log.d("class", bean.getAttendance\_session\_class());  Log.d("dept", bean.getAttendance\_session\_department());  Log.d("fId", bean.getAttendance\_session\_faculty\_id()+"");  Log.d("status", bean.getAttendance\_session\_class());    FacultyBean facultyBean = new FacultyBean();    facultyBean.setFaculty\_firstname("Abc");  facultyBean.setFaculty\_lastname("a");  facultyBean.setFaculty\_mobilenumber("9898989898");  facultyBean.setFaculty\_address("pune");  facultyBean.setFaculty\_username("a");  facultyBean.setFaculty\_password("Abc123");    dbAdapter.addFaculty(facultyBean);    StudentBean studentBean = new StudentBean();    studentBean.setStudent\_firstname("b");  studentBean.setStudent\_lastname("b");  studentBean.setStudent\_mobilenumber("8989898988");  studentBean.setStudent\_address("pune");  studentBean.setStudent\_department("CSE");  studentBean.setStudent\_class("BE");    dbAdapter.addStudent(studentBean);\*/        ArrayList<AttendanceSessionBean> attendanceSessionBeanList = dbAdapter.getAllAttendanceSession();    for(AttendanceSessionBean sessionBean : attendanceSessionBeanList)  {  Log.*d*("for", "in for loop");  int aid = sessionBean.getAttendance\_session\_id();  int fid = sessionBean.getAttendance\_session\_faculty\_id();  String sclass = sessionBean.getAttendance\_session\_class();  String dept = sessionBean.getAttendance\_session\_department();  String date= sessionBean.getAttendance\_session\_date();  String sub= sessionBean.getAttendance\_session\_subject();  Log.*d*("id", aid+"");  Log.*d*("fid", fid+"");  Log.*d*("sclass", sclass);  Log.*d*("dept",dept);  Log.*d*("date", date);  Log.*d*("sub", sub);  }  }  });                    }     }** |

**ViewAttendanceActivity.java**

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| **package com.android.attendance.activity;  import com.example.androidattendancesystem.R;  import android.os.Bundle; import android.app.Activity; import android.content.Intent; import android.graphics.Color; import android.view.Menu; import android.view.View; import android.view.View.OnClickListener; import android.widget.AdapterView; import android.widget.ArrayAdapter; import android.widget.Button; import android.widget.Spinner; import android.widget.TextView; import android.widget.AdapterView.OnItemSelectedListener;  public class ViewAttandanceActivity extends Activity {   Spinner spinnerbranch,spinneryear;  String userrole,branch,year;  private String[] branchString = new String[] { "cse"};  private String[] yearString = new String[] {"SE","TE","BE"};   @Override  protected void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  setContentView(R.layout.*viewstudent*);    spinnerbranch=(Spinner)findViewById(R.id.*spinnerbranchView*);  spinneryear=(Spinner)findViewById(R.id.*spinneryearView*);      spinnerbranch.setOnItemSelectedListener(new OnItemSelectedListener() {  @Override  public void onItemSelected(AdapterView<?> arg0, View view,  int arg2, long arg3) {  // *TODO Auto-generated method stub* ((TextView) arg0.getChildAt(0)).setTextColor(Color.*WHITE*);  branch =(String) spinnerbranch.getSelectedItem();   }   @Override  public void onNothingSelected(AdapterView<?> arg0) {  // *TODO Auto-generated method stub* }  });   ArrayAdapter<String> adapter\_branch = new ArrayAdapter<String>(this,  android.R.layout.*simple\_spinner\_item*, branchString);  adapter\_branch  .setDropDownViewResource(android.R.layout.*simple\_spinner\_dropdown\_item*);  spinnerbranch.setAdapter(adapter\_branch);   ///......................spinner2   spinneryear.setOnItemSelectedListener(new OnItemSelectedListener() {  @Override  public void onItemSelected(AdapterView<?> arg0, View view,  int arg2, long arg3) {  // *TODO Auto-generated method stub* ((TextView) arg0.getChildAt(0)).setTextColor(Color.*WHITE*);  year =(String) spinneryear.getSelectedItem();   }   @Override  public void onNothingSelected(AdapterView<?> arg0) {  // *TODO Auto-generated method stub* }  });   ArrayAdapter<String> adapter\_year = new ArrayAdapter<String>(this,  android.R.layout.*simple\_spinner\_item*, yearString);  adapter\_year  .setDropDownViewResource(android.R.layout.*simple\_spinner\_dropdown\_item*);  spinneryear.setAdapter(adapter\_year);      }   @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;  }  }** |

**ViewAttendanceByFacultyActivity.java**

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| **package com.android.attendance.activity;  import java.util.ArrayList;  import android.app.Activity; import android.app.AlertDialog; import android.content.DialogInterface; import android.os.Bundle; import android.util.Log; import android.view.Menu; import android.view.View; import android.widget.AdapterView; import android.widget.AdapterView.OnItemLongClickListener; import android.widget.ArrayAdapter; import android.widget.ListView; import android.widget.Toast;  import com.android.attendance.bean.AttendanceBean; import com.android.attendance.bean.FacultyBean; import com.android.attendance.bean.StudentBean; import com.android.attendance.context.ApplicationContext; import com.android.attendance.db.DBAdapter; import com.example.androidattendancesystem.R;  public class ViewAttendanceByFacultyActivity extends Activity {   ArrayList<AttendanceBean> attendanceBeanList;  private ListView listView ;   private ArrayAdapter<String> listAdapter;   DBAdapter dbAdapter = new DBAdapter(this);  @Override  protected void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  setContentView(R.layout.*\_\_listview\_main*);   listView=(ListView)findViewById(R.id.*listview*);  final ArrayList<String> attendanceList = new ArrayList<String>();  attendanceList.add("Id | StudentName | Status");   attendanceBeanList=((ApplicationContext)ViewAttendanceByFacultyActivity.this.getApplicationContext()).getAttendanceBeanList();   for(AttendanceBean attendanceBean : attendanceBeanList)  {  String users = "";  if(attendanceBean.getAttendance\_session\_id() != 0)  {  DBAdapter dbAdapter = new DBAdapter(ViewAttendanceByFacultyActivity.this);  StudentBean studentBean =dbAdapter.getStudentById(attendanceBean.getAttendance\_student\_id());  users = attendanceBean.getAttendance\_student\_id()+". "+studentBean.getStudent\_firstname()+","+studentBean.getStudent\_lastname()+" "+attendanceBean.getAttendance\_status();  }  else  {  users = attendanceBean.getAttendance\_status();  }    attendanceList.add(users);  Log.*d*("users: ", users);    }   listAdapter = new ArrayAdapter<String>(this, R.layout.*view\_attendance\_list*, R.id.*labelAttendance*, attendanceList);  listView.setAdapter( listAdapter );    /\*listView.setOnItemLongClickListener(new OnItemLongClickListener() {   @Override  public boolean onItemLongClick(AdapterView<?> arg0, View arg1,  final int position, long arg3) {     AlertDialog.Builder alertDialogBuilder = new AlertDialog.Builder(ViewAttendanceByFacultyActivity.this);   alertDialogBuilder.setTitle(getTitle()+"decision");  alertDialogBuilder.setMessage("Are you sure?");   alertDialogBuilder.setPositiveButton("Yes",new DialogInterface.OnClickListener() {  public void onClick(DialogInterface dialog,int id) {   facultyList.remove(position);  listAdapter.notifyDataSetChanged();  listAdapter.notifyDataSetInvalidated();    dbAdapter.deleteFaculty(facultyBeanList.get(position).getFaculty\_id());  facultyBeanList=dbAdapter.getAllFaculty();   for(FacultyBean facultyBean : facultyBeanList)  {  String users = " FirstName: " + facultyBean.getFaculty\_firstname()+"\nLastname:"+facultyBean.getFaculty\_lastname();  facultyList.add(users);  Log.d("users: ", users);    }    }    });  alertDialogBuilder.setNegativeButton("No",new DialogInterface.OnClickListener() {  public void onClick(DialogInterface dialog,int id) {  // cancel the alert box and put a Toast to the user  dialog.cancel();  Toast.makeText(getApplicationContext(), "You choose cancel",   Toast.LENGTH\_LONG).show();  }  });   AlertDialog alertDialog = alertDialogBuilder.create();  // show alert  alertDialog.show();       return false;  }  }); \*/     }     @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;  }  }** |

**ViewAttendancePerStudentActivity.java**

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| **package com.android.attendance.activity;  import java.util.ArrayList;  import android.app.Activity; import android.app.AlertDialog; import android.content.DialogInterface; import android.os.Bundle; import android.util.Log; import android.view.Menu; import android.view.View; import android.widget.AdapterView; import android.widget.AdapterView.OnItemLongClickListener; import android.widget.ArrayAdapter; import android.widget.Button; import android.widget.ListView; import android.widget.Toast;  import com.android.attendance.bean.AttendanceBean; import com.android.attendance.bean.FacultyBean; import com.android.attendance.bean.StudentBean; import com.android.attendance.context.ApplicationContext; import com.android.attendance.db.DBAdapter; import com.example.androidattendancesystem.R; import android.app.Dialog;  import static android.content.ContentValues.*TAG*;  public class ViewAttendancePerStudentActivity extends Activity {     ArrayList<AttendanceBean> attendanceBeanList;  private ListView listView ;   private ArrayAdapter<String> listAdapter;   DBAdapter dbAdapter = new DBAdapter(this);     @Override  protected void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  setContentView(R.layout.*\_\_listview\_main*);   listView=(ListView)findViewById(R.id.*listview*);  final ArrayList<String> attendanceList = new ArrayList<String>();  attendanceList.add("Present Count Per Student");  attendanceBeanList=((ApplicationContext)ViewAttendancePerStudentActivity.this.getApplicationContext()).getAttendanceBeanList();   for(AttendanceBean attendanceBean : attendanceBeanList)  {  String users = "";  String Student\_no = "";  String users1 = "";    DBAdapter dbAdapter = new DBAdapter(ViewAttendancePerStudentActivity.this);  StudentBean studentBean =dbAdapter.getStudentById(attendanceBean.getAttendance\_student\_id());  users = attendanceBean.getAttendance\_student\_id()+". "+studentBean.getStudent\_firstname()+","+studentBean.getStudent\_lastname()+" "+attendanceBean.getAttendance\_session\_id();  attendanceList.add(users);  users1 =""+attendanceBean.getAttendance\_session\_id();  users1= users1.trim();   Student\_no = attendanceBean.getAttendance\_student\_id()+" "+ studentBean.getStudent\_mobilenumber();  Log.*d*(*TAG*, "onCreate: "+users1);  //Toast.makeText(ViewAttendancePerStudentActivity.this,users,Toast.LENGTH\_SHORT).show();  }   listAdapter = new ArrayAdapter<String>(this, R.layout.*view\_attendance\_list\_per\_student*, R.id.*labelAttendancePerStudent*, attendanceList);  listView.setAdapter( listAdapter );    /\*listView.setOnItemLongClickListener(new OnItemLongClickListener() {   @Override  public boolean onItemLongClick(AdapterView<?> arg0, View arg1,  final int position, long arg3) {     AlertDialog.Builder alertDialogBuilder = new AlertDialog.Builder(ViewAttendanceByFacultyActivity.this);   alertDialogBuilder.setTitle(getTitle()+"decision");  alertDialogBuilder.setMessage("Are you sure?");   alertDialogBuilder.setPositiveButton("Yes",new DialogInterface.OnClickListener() {  public void onClick(DialogInterface dialog,int id) {   facultyList.remove(position);  listAdapter.notifyDataSetChanged();  listAdapter.notifyDataSetInvalidated();    dbAdapter.deleteFaculty(facultyBeanList.get(position).getFaculty\_id());  facultyBeanList=dbAdapter.getAllFaculty();   for(FacultyBean facultyBean : facultyBeanList)  {  String users = " FirstName: " + facultyBean.getFaculty\_firstname()+"\nLastname:"+facultyBean.getFaculty\_lastname();  facultyList.add(users);  Log.d("users: ", users);    }    }    });  alertDialogBuilder.setNegativeButton("No",new DialogInterface.OnClickListener() {  public void onClick(DialogInterface dialog,int id) {  // cancel the alert box and put a Toast to the user  dialog.cancel();  Toast.makeText(getApplicationContext(), "You choose cancel",   Toast.LENGTH\_LONG).show();  }  });   AlertDialog alertDialog = alertDialogBuilder.create();  // show alert  alertDialog.show();       return false;  }  }); \*/     }     @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;  }  }** |

**ViewFacultyActivity.java**

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| **package com.android.attendance.activity;  import java.util.ArrayList;  import android.app.Activity; import android.app.AlertDialog; import android.content.DialogInterface; import android.os.Bundle; import android.util.Log; import android.view.Menu; import android.view.View; import android.widget.AdapterView; import android.widget.AdapterView.OnItemLongClickListener; import android.widget.ArrayAdapter; import android.widget.ListView; import android.widget.Toast;  import com.android.attendance.bean.FacultyBean; import com.android.attendance.db.DBAdapter; import com.example.androidattendancesystem.R;  public class ViewFacultyActivity extends Activity {   ArrayList<FacultyBean> facultyBeanList;  private ListView listView ;   private ArrayAdapter<String> listAdapter;   DBAdapter dbAdapter = new DBAdapter(this);  @Override  protected void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  setContentView(R.layout.*\_\_listview\_main*);   listView=(ListView)findViewById(R.id.*listview*);  final ArrayList<String> facultyList = new ArrayList<String>();   facultyBeanList=dbAdapter.getAllFaculty();   for(FacultyBean facultyBean : facultyBeanList)  {  String users = " FirstName: " + facultyBean.getFaculty\_firstname()+"\nLastname:"+facultyBean.getFaculty\_lastname();    facultyList.add(users);  Log.*d*("users: ", users);    }   listAdapter = new ArrayAdapter<String>(this, R.layout.*view\_faculty\_list*, R.id.*labelF*, facultyList);  listView.setAdapter( listAdapter );    listView.setOnItemLongClickListener(new OnItemLongClickListener() {   @Override  public boolean onItemLongClick(AdapterView<?> arg0, View arg1,  final int position, long arg3) {     AlertDialog.Builder alertDialogBuilder = new AlertDialog.Builder(ViewFacultyActivity.this);   alertDialogBuilder.setTitle(getTitle()+"decision");  alertDialogBuilder.setMessage("Are you sure?");   alertDialogBuilder.setPositiveButton("Yes",new DialogInterface.OnClickListener() {  public void onClick(DialogInterface dialog,int id) {   facultyList.remove(position);  listAdapter.notifyDataSetChanged();  listAdapter.notifyDataSetInvalidated();    dbAdapter.deleteFaculty(facultyBeanList.get(position).getFaculty\_id());  facultyBeanList=dbAdapter.getAllFaculty();   for(FacultyBean facultyBean : facultyBeanList)  {  String users = " FirstName: " + facultyBean.getFaculty\_firstname()+"\nLastname:"+facultyBean.getFaculty\_lastname();  facultyList.add(users);  Log.*d*("users: ", users);    }    }    });  alertDialogBuilder.setNegativeButton("No",new DialogInterface.OnClickListener() {  public void onClick(DialogInterface dialog,int id) {  // cancel the alert box and put a Toast to the user  dialog.cancel();  Toast.*makeText*(getApplicationContext(), "You choose cancel",   Toast.*LENGTH\_LONG*).show();  }  });   AlertDialog alertDialog = alertDialogBuilder.create();  // show alert  alertDialog.show();       return false;  }  });      }     @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;  }  }** |

**ViewStudentActivity.java**

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| **package com.android.attendance.activity;  import com.example.androidattendancesystem.R;  import android.os.Bundle; import android.app.Activity; import android.content.Intent; import android.graphics.Color; import android.view.Menu; import android.view.View; import android.view.View.OnClickListener; import android.widget.AdapterView; import android.widget.ArrayAdapter; import android.widget.Button; import android.widget.Spinner; import android.widget.TextView; import android.widget.AdapterView.OnItemSelectedListener;  public class ViewStudentActivity extends Activity {   Spinner spinnerbranch,spinneryear;  String userrole,branch,year;  private final String[] branchString = new String[] { "CSE","IT","EE","PE"};  private final String[] yearString = new String[] {"FE","SE","TE","BE"};    Button submit;       @Override  protected void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  setContentView(R.layout.*viewstudent*);    spinnerbranch=(Spinner)findViewById(R.id.*spinnerbranchView*);  spinneryear=(Spinner)findViewById(R.id.*spinneryearView*);      spinnerbranch.setOnItemSelectedListener(new OnItemSelectedListener() {  @Override  public void onItemSelected(AdapterView<?> arg0, View view,  int arg2, long arg3) {  // *TODO Auto-generated method stub* ((TextView) arg0.getChildAt(0)).setTextColor(Color.*BLACK*);  ((TextView) arg0.getChildAt(0)).setTextSize(20);  branch =(String) spinnerbranch.getSelectedItem();   }   @Override  public void onNothingSelected(AdapterView<?> arg0) {  // *TODO Auto-generated method stub* }  });   ArrayAdapter<String> adapter\_branch = new ArrayAdapter<String>(this,  android.R.layout.*simple\_spinner\_item*, branchString);  adapter\_branch  .setDropDownViewResource(android.R.layout.*simple\_spinner\_dropdown\_item*);  spinnerbranch.setAdapter(adapter\_branch);   ///......................spinner2   spinneryear.setOnItemSelectedListener(new OnItemSelectedListener() {  @Override  public void onItemSelected(AdapterView<?> arg0, View view,  int arg2, long arg3) {  // *TODO Auto-generated method stub* ((TextView) arg0.getChildAt(0)).setTextColor(Color.*BLACK*);  ((TextView) arg0.getChildAt(0)).setTextSize(20);  year =(String) spinneryear.getSelectedItem();   }   @Override  public void onNothingSelected(AdapterView<?> arg0) {  // *TODO Auto-generated method stub* }  });   ArrayAdapter<String> adapter\_year = new ArrayAdapter<String>(this,  android.R.layout.*simple\_spinner\_item*, yearString);  adapter\_year  .setDropDownViewResource(android.R.layout.*simple\_spinner\_dropdown\_item*);  spinneryear.setAdapter(adapter\_year);    submit=(Button)findViewById(R.id.*submitButton*);  submit.setOnClickListener(new OnClickListener() {    @Override  public void onClick(View arg0) {    Intent intent = new Intent(ViewStudentActivity.this,ViewStudentByBranchYear.class);  intent.putExtra("branch", branch);  intent.putExtra("year", year);  startActivity(intent);    }  });   }         @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;  }  }** |

**ViewStudentByBranchYear.java**

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| **package com.android.attendance.activity;  import java.util.ArrayList;  import android.app.Activity; import android.app.AlertDialog; import android.content.DialogInterface; import android.os.Bundle; import android.util.Log; import android.view.Menu; import android.view.View; import android.widget.AdapterView; import android.widget.AdapterView.OnItemLongClickListener; import android.widget.ArrayAdapter; import android.widget.ListView; import android.widget.Toast;  import com.android.attendance.bean.FacultyBean; import com.android.attendance.bean.StudentBean; import com.android.attendance.db.DBAdapter; import com.example.androidattendancesystem.R;  public class ViewStudentByBranchYear extends Activity {   ArrayList<StudentBean> studentBeanList;  private ListView listView ;   private ArrayAdapter<String> listAdapter;  String branch;  String year;     DBAdapter dbAdapter = new DBAdapter(this);  @Override  protected void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  setContentView(R.layout.*\_\_listview\_main*);   listView=(ListView)findViewById(R.id.*listview*);  final ArrayList<String> studentList = new ArrayList<String>();    branch=getIntent().getExtras().getString("branch");  year =getIntent().getExtras().getString("year");   studentBeanList=dbAdapter.getAllStudentByBranchYear(branch, year);   for(StudentBean studentBean : studentBeanList)  {  String users = studentBean.getStudent\_firstname()+","+studentBean.getStudent\_lastname();    studentList.add(users);  Log.*d*("users: ", users);    }   listAdapter = new ArrayAdapter<String>(this, R.layout.*view\_student\_list*, R.id.*label*, studentList);  listView.setAdapter( listAdapter );    listView.setOnItemLongClickListener(new OnItemLongClickListener() {   @Override  public boolean onItemLongClick(AdapterView<?> arg0, View arg1,  final int position, long arg3) {     AlertDialog.Builder alertDialogBuilder = new AlertDialog.Builder(ViewStudentByBranchYear.this);   alertDialogBuilder.setTitle(getTitle()+"decision");  alertDialogBuilder.setMessage("Are you sure?");   alertDialogBuilder.setPositiveButton("Yes",new DialogInterface.OnClickListener() {  public void onClick(DialogInterface dialog,int id) {   studentList.remove(position);  listAdapter.notifyDataSetChanged();  listAdapter.notifyDataSetInvalidated();    dbAdapter.deleteStudent(studentBeanList.get(position).getStudent\_id());  studentBeanList=dbAdapter.getAllStudentByBranchYear(branch, year);   for(StudentBean studentBean : studentBeanList)  {  String users = " FirstName: " + studentBean.getStudent\_firstname()+"\nLastname:"+studentBean.getStudent\_lastname();  studentList.add(users);  Log.*d*("users: ", users);    }  }   });   alertDialogBuilder.setNegativeButton("No",new DialogInterface.OnClickListener() {  public void onClick(DialogInterface dialog,int id) {  // cancel the alert box and put a Toast to the user  dialog.cancel();  Toast.*makeText*(getApplicationContext(), "You choose cancel",   Toast.*LENGTH\_LONG*).show();  }  });   AlertDialog alertDialog = alertDialogBuilder.create();  // show alert  alertDialog.show();       return false;  }  });      }     @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;  }  }** |

**AttendanceBean.java**

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| **package com.android.attendance.bean;  public class AttendanceBean {   private int attendance\_session\_id;  private int attendance\_student\_id;  private String attendance\_status;    public int getAttendance\_session\_id() {  return attendance\_session\_id;  }  public void setAttendance\_session\_id(int attendance\_session\_id) {  this.attendance\_session\_id = attendance\_session\_id;  }  public int getAttendance\_student\_id() {  return attendance\_student\_id;  }  public void setAttendance\_student\_id(int attendance\_student\_id) {  this.attendance\_student\_id = attendance\_student\_id;  }  public String getAttendance\_status() {  return attendance\_status;  }  public void setAttendance\_status(String attendance\_status) {  this.attendance\_status = attendance\_status;  }       }** |

**AttendanceSessionBean.java**

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| **package com.android.attendance.bean;  public class AttendanceSessionBean {    private int attendance\_session\_id;  private int attendance\_session\_faculty\_id;  private String attendance\_session\_department;  private String attendance\_session\_class;  private String attendance\_session\_date;  private String attendance\_session\_subject;    public int getAttendance\_session\_id() {  return attendance\_session\_id;  }  public void setAttendance\_session\_id(int attendance\_session\_id) {  this.attendance\_session\_id = attendance\_session\_id;  }  public int getAttendance\_session\_faculty\_id() {  return attendance\_session\_faculty\_id;  }  public void setAttendance\_session\_faculty\_id(int attendance\_session\_faculty\_id) {  this.attendance\_session\_faculty\_id = attendance\_session\_faculty\_id;  }  public String getAttendance\_session\_department() {  return attendance\_session\_department;  }  public void setAttendance\_session\_department(  String attendance\_session\_department) {  this.attendance\_session\_department = attendance\_session\_department;  }  public String getAttendance\_session\_class() {  return attendance\_session\_class;  }  public void setAttendance\_session\_class(String attendance\_session\_class) {  this.attendance\_session\_class = attendance\_session\_class;  }  public String getAttendance\_session\_date() {  return attendance\_session\_date;  }  public void setAttendance\_session\_date(String attendance\_session\_date) {  this.attendance\_session\_date = attendance\_session\_date;  }  public String getAttendance\_session\_subject() {  return attendance\_session\_subject;  }  public void setAttendance\_session\_subject(String attendance\_session\_subject) {  this.attendance\_session\_subject = attendance\_session\_subject;  }      }** |

**FacultyBean.java**

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| **package com.android.attendance.bean;  public class FacultyBean {    private int faculty\_id;  private String faculty\_firstname;  private String faculty\_lastname;  private String faculty\_mobilenumber;  private String faculty\_address;  private String faculty\_username;  private String faculty\_password;  public int getFaculty\_id() {  return faculty\_id;  }  public void setFaculty\_id(int faculty\_id) {  this.faculty\_id = faculty\_id;  }  public String getFaculty\_firstname() {  return faculty\_firstname;  }  public void setFaculty\_firstname(String faculty\_firstname) {  this.faculty\_firstname = faculty\_firstname;  }  public String getFaculty\_lastname() {  return faculty\_lastname;  }  public void setFaculty\_lastname(String faculty\_lastname) {  this.faculty\_lastname = faculty\_lastname;  }  public String getFaculty\_mobilenumber() {  return faculty\_mobilenumber;  }  public void setFaculty\_mobilenumber(String faculty\_mobilenumber) {  this.faculty\_mobilenumber = faculty\_mobilenumber;  }  public String getFaculty\_address() {  return faculty\_address;  }  public void setFaculty\_address(String faculty\_address) {  this.faculty\_address = faculty\_address;  }  public String getFaculty\_username() {  return faculty\_username;  }  public void setFaculty\_username(String faculty\_username) {  this.faculty\_username = faculty\_username;  }  public String getFaculty\_password() {  return faculty\_password;  }  public void setFaculty\_password(String faculty\_password) {  this.faculty\_password = faculty\_password;  }       }** |

**StudentBean.java**

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| **package com.android.attendance.bean;  public class StudentBean {    private int student\_id;  private String student\_firstname;  private String student\_lastname;  private String student\_mobilenumber;  private String student\_address;  private String student\_department;  private String student\_class;  public int getStudent\_id() {  return student\_id;  }  public void setStudent\_id(int student\_id) {  this.student\_id = student\_id;  }  public String getStudent\_firstname() {  return student\_firstname;  }  public void setStudent\_firstname(String student\_firstname) {  this.student\_firstname = student\_firstname;  }  public String getStudent\_lastname() {  return student\_lastname;  }  public void setStudent\_lastname(String student\_lastname) {  this.student\_lastname = student\_lastname;  }  public String getStudent\_mobilenumber() {  return student\_mobilenumber;  }  public void setStudent\_mobilenumber(String student\_mobilenumber) {  this.student\_mobilenumber = student\_mobilenumber;  }  public String getStudent\_address() {  return student\_address;  }  public void setStudent\_address(String student\_address) {  this.student\_address = student\_address;  }  public String getStudent\_department() {  return student\_department;  }  public void setStudent\_department(String student\_department) {  this.student\_department = student\_department;  }  public String getStudent\_class() {  return student\_class;  }  public void setStudent\_class(String student\_class) {  this.student\_class = student\_class;  }     }** |

**DBAdapter.java**

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| **package com.android.attendance.db;  import java.util.ArrayList;  import com.android.attendance.bean.AttendanceBean; import com.android.attendance.bean.AttendanceSessionBean; import com.android.attendance.bean.FacultyBean; import com.android.attendance.bean.StudentBean;  import android.content.Context; import android.database.Cursor; import android.database.sqlite.SQLiteDatabase; import android.database.sqlite.SQLiteOpenHelper; import android.util.Log;  public class DBAdapter extends SQLiteOpenHelper {   // All Static variables  // Database Version  private static final int *DATABASE\_VERSION* = 1;   // Database Name  private static final String *DATABASE\_NAME* = "Attendance";   // Contacts table name  private static final String *FACULTY\_INFO\_TABLE* = "faculty\_table";  private static final String *STUDENT\_INFO\_TABLE* = "student\_table";  private static final String *ATTENDANCE\_SESSION\_TABLE* = "attendance\_session\_table";  private static final String *ATTENDANCE\_TABLE* = "attendance\_table";    // Contacts Table Columns names  private static final String *KEY\_FACULTY\_ID* = "faculty\_id";  private static final String *KEY\_FACULTY\_FIRSTNAME* = "faculty\_firstname";  private static final String *KEY\_FACULTY\_LASTNAME* = "faculty\_Lastname";  private static final String *KEY\_FACULTY\_MO\_NO* = "faculty\_mobilenumber";  private static final String *KEY\_FACULTY\_ADDRESS* = "faculty\_address";  private static final String *KEY\_FACULTY\_USERNAME* = "faculty\_username";  private static final String *KEY\_FACULTY\_PASSWORD* = "faculty\_password";   private static final String *KEY\_STUDENT\_ID* = "student\_id";  private static final String *KEY\_STUDENT\_FIRSTNAME* = "student\_firstname";  private static final String *KEY\_STUDENT\_LASTNAME* = "student\_lastname";  private static final String *KEY\_STUDENT\_MO\_NO* = "student\_mobilenumber";  private static final String *KEY\_STUDENT\_ADDRESS* = "student\_address";  private static final String *KEY\_STUDENT\_DEPARTMENT* = "student\_department";  private static final String *KEY\_STUDENT\_CLASS* = "student\_class";   private static final String *KEY\_ATTENDANCE\_SESSION\_ID* = "attendance\_session\_id";  private static final String *KEY\_ATTENDANCE\_SESSION\_FACULTY\_ID* = "attendance\_session\_faculty\_id";  private static final String *KEY\_ATTENDANCE\_SESSION\_DEPARTMENT* = "attendance\_session\_department";  private static final String *KEY\_ATTENDANCE\_SESSION\_CLASS* = "attendance\_session\_class";  private static final String *KEY\_ATTENDANCE\_SESSION\_DATE* = "attendance\_session\_date";  private static final String *KEY\_ATTENDANCE\_SESSION\_SUBJECT* = "attendance\_session\_subject";   private static final String *KEY\_SESSION\_ID* = "attendance\_session\_id";  private static final String *KEY\_ATTENDANCE\_STUDENT\_ID* = "attendance\_student\_id";  private static final String *KEY\_ATTENDANCE\_STATUS* = "attendance\_status";    public DBAdapter(Context context) {  super(context, *DATABASE\_NAME*, null, *DATABASE\_VERSION*);  }    @Override   public void onCreate(SQLiteDatabase db) {  String queryFaculty="CREATE TABLE "+ *FACULTY\_INFO\_TABLE* +" (" +  *KEY\_FACULTY\_ID* + " INTEGER PRIMARY KEY AUTOINCREMENT, " +  *KEY\_FACULTY\_FIRSTNAME* + " TEXT, " +   *KEY\_FACULTY\_LASTNAME* + " TEXT, " +  *KEY\_FACULTY\_MO\_NO* + " TEXT, " +  *KEY\_FACULTY\_ADDRESS* + " TEXT," +  *KEY\_FACULTY\_USERNAME* + " TEXT," +  *KEY\_FACULTY\_PASSWORD* + " TEXT " + ")";  Log.*d*("queryFaculty",queryFaculty);    String queryStudent="CREATE TABLE "+ *STUDENT\_INFO\_TABLE* +" (" +  *KEY\_STUDENT\_ID* + " INTEGER PRIMARY KEY AUTOINCREMENT, " +  *KEY\_STUDENT\_FIRSTNAME* + " TEXT, " +   *KEY\_STUDENT\_LASTNAME* + " TEXT, " +  *KEY\_STUDENT\_MO\_NO* + " TEXT, " +  *KEY\_STUDENT\_ADDRESS* + " TEXT," +  *KEY\_STUDENT\_DEPARTMENT* + " TEXT," +  *KEY\_STUDENT\_CLASS* + " TEXT " + ")";  Log.*d*("queryStudent",queryStudent );    String queryAttendanceSession="CREATE TABLE "+ *ATTENDANCE\_SESSION\_TABLE* +" (" +  *KEY\_ATTENDANCE\_SESSION\_ID* + " INTEGER PRIMARY KEY AUTOINCREMENT, " +  *KEY\_ATTENDANCE\_SESSION\_FACULTY\_ID* + " INTEGER, " +   *KEY\_ATTENDANCE\_SESSION\_DEPARTMENT* + " TEXT, " +  *KEY\_ATTENDANCE\_SESSION\_CLASS* + " TEXT, " +  *KEY\_ATTENDANCE\_SESSION\_DATE* + " DATE," +  *KEY\_ATTENDANCE\_SESSION\_SUBJECT* + " TEXT" + ")";  Log.*d*("queryAttendanceSession",queryAttendanceSession );    String queryAttendance="CREATE TABLE "+ *ATTENDANCE\_TABLE* +" (" +  *KEY\_SESSION\_ID* + " INTEGER, " +  *KEY\_ATTENDANCE\_STUDENT\_ID* + " INTEGER, " +  *KEY\_ATTENDANCE\_STATUS* + " TEXT " + ")";  Log.*d*("queryAttendance",queryAttendance );    try  {  db.execSQL(queryFaculty);  db.execSQL(queryStudent);  db.execSQL(queryAttendanceSession);  db.execSQL(queryAttendance);  }  catch (Exception e) {  e.printStackTrace();  Log.*e*("Exception", e.getMessage());  }   }     @Override  public void onUpgrade(SQLiteDatabase db, int arg1, int arg2) {  String queryFaculty="CREATE TABLE "+ *FACULTY\_INFO\_TABLE* +" (" +  *KEY\_FACULTY\_ID* + " INTEGER PRIMARY KEY AUTOINCREMENT, " +  *KEY\_FACULTY\_FIRSTNAME* + " TEXT, " +   *KEY\_FACULTY\_LASTNAME* + " TEXT, " +  *KEY\_FACULTY\_MO\_NO* + " TEXT, " +  *KEY\_FACULTY\_ADDRESS* + " TEXT," +  *KEY\_FACULTY\_USERNAME* + " TEXT," +  *KEY\_FACULTY\_PASSWORD* + " TEXT " + ")";  Log.*d*("queryFaculty",queryFaculty);    String queryStudent="CREATE TABLE "+ *STUDENT\_INFO\_TABLE* +" (" +  *KEY\_STUDENT\_ID* + " INTEGER PRIMARY KEY AUTOINCREMENT, " +  *KEY\_STUDENT\_FIRSTNAME* + " TEXT, " +   *KEY\_STUDENT\_LASTNAME* + " TEXT, " +  *KEY\_STUDENT\_MO\_NO* + " TEXT, " +  *KEY\_STUDENT\_ADDRESS* + " TEXT," +  *KEY\_STUDENT\_DEPARTMENT* + " TEXT," +  *KEY\_STUDENT\_CLASS* + " TEXT " + ")";  Log.*d*("queryStudent",queryStudent );    String queryAttendanceSession="CREATE TABLE "+ *ATTENDANCE\_SESSION\_TABLE* +" (" +  *KEY\_ATTENDANCE\_SESSION\_ID* + " INTEGER PRIMARY KEY AUTOINCREMENT, " +  *KEY\_ATTENDANCE\_SESSION\_FACULTY\_ID* + " INTEGER, " +   *KEY\_ATTENDANCE\_SESSION\_DEPARTMENT* + " TEXT, " +  *KEY\_ATTENDANCE\_SESSION\_CLASS* + " TEXT, " +  *KEY\_ATTENDANCE\_SESSION\_DATE* + " TEXT," +  *KEY\_ATTENDANCE\_SESSION\_SUBJECT* + " TEXT" +")";  Log.*d*("queryAttendanceSession",queryAttendanceSession );    String queryAttendance="CREATE TABLE "+ *ATTENDANCE\_TABLE* +" (" +  *KEY\_SESSION\_ID* + " INTEGER, " +  *KEY\_ATTENDANCE\_STUDENT\_ID* + " INTEGER, " +  *KEY\_ATTENDANCE\_STATUS* + " TEXT " + ")";  Log.*d*("queryAttendance",queryAttendance );   try  {  db.execSQL(queryFaculty);  db.execSQL(queryStudent);  db.execSQL(queryAttendanceSession);  db.execSQL(queryAttendance);  }  catch (Exception e) {  e.printStackTrace();  Log.*e*("Exception", e.getMessage());  }   }   //facult crud  public void addFaculty(FacultyBean facultyBean) {  SQLiteDatabase db = this.getWritableDatabase();   String query = "INSERT INTO faculty\_table (faculty\_firstname,faculty\_Lastname,faculty\_mobilenumber,faculty\_address,faculty\_username,faculty\_password) values ('"+   facultyBean.getFaculty\_firstname()+"', '"+  facultyBean.getFaculty\_lastname()+"', '"+  facultyBean.getFaculty\_mobilenumber()+"', '"+  facultyBean.getFaculty\_address()+"', '"+  facultyBean.getFaculty\_username()+"', '"+  facultyBean.getFaculty\_password()+"')";  Log.*d*("query", query);  db.execSQL(query);  db.close();  }   public FacultyBean validateFaculty(String userName,String password)  {  SQLiteDatabase db = this.getWritableDatabase();    String query = "SELECT \* FROM faculty\_table where faculty\_username='"+userName+"' and faculty\_password='"+password+"'";  Cursor cursor = db.rawQuery(query, null);   if(cursor.moveToFirst())   {    FacultyBean facultyBean = new FacultyBean();  facultyBean.setFaculty\_id(Integer.*parseInt*(cursor.getString(0)));  facultyBean.setFaculty\_firstname(cursor.getString(1));  facultyBean.setFaculty\_lastname(cursor.getString(2));  facultyBean.setFaculty\_mobilenumber(cursor.getString(3));  facultyBean.setFaculty\_address(cursor.getString(4));  facultyBean.setFaculty\_username(cursor.getString(5));  facultyBean.setFaculty\_password(cursor.getString(6));  return facultyBean;  }  return null;  }   public ArrayList<FacultyBean> getAllFaculty()  {  Log.*d*("in get all","in get all" );  ArrayList<FacultyBean> list = new ArrayList<FacultyBean>();   SQLiteDatabase db = this.getWritableDatabase();  String query = "SELECT \* FROM faculty\_table";  Cursor cursor = db.rawQuery(query, null);   if(cursor.moveToFirst())   {  do{  FacultyBean facultyBean = new FacultyBean();  facultyBean.setFaculty\_id(Integer.*parseInt*(cursor.getString(0)));  facultyBean.setFaculty\_firstname(cursor.getString(1));  facultyBean.setFaculty\_lastname(cursor.getString(2));  facultyBean.setFaculty\_mobilenumber(cursor.getString(3));  facultyBean.setFaculty\_address(cursor.getString(4));  facultyBean.setFaculty\_username(cursor.getString(5));  facultyBean.setFaculty\_password(cursor.getString(6));  list.add(facultyBean);   }while(cursor.moveToNext());  }  return list;  }   public void deleteFaculty(int facultyId) {  SQLiteDatabase db = this.getWritableDatabase();   String query = "DELETE FROM faculty\_table WHERE faculty\_id="+facultyId ;   Log.*d*("query", query);  db.execSQL(query);  db.close();  }   //student crud  public void addStudent(StudentBean studentBean) {  SQLiteDatabase db = this.getWritableDatabase();   String query = "INSERT INTO student\_table (student\_firstname,student\_lastname,student\_mobilenumber,student\_address,student\_department,student\_class) values ('"+   studentBean.getStudent\_firstname()+"', '"+  studentBean.getStudent\_lastname()+"','"+  studentBean.getStudent\_mobilenumber()+"', '"+  studentBean.getStudent\_address()+"', '"+  studentBean.getStudent\_department()+"', '"+  studentBean.getStudent\_class()+"')";  Log.*d*("query", query);  db.execSQL(query);  db.close();  }   public ArrayList<StudentBean> getAllStudent()  {  ArrayList<StudentBean> list = new ArrayList<StudentBean>();   SQLiteDatabase db = this.getWritableDatabase();  String query = "SELECT \* FROM student\_table";  Cursor cursor = db.rawQuery(query, null);   if(cursor.moveToFirst())   {  do{  StudentBean studentBean = new StudentBean();  studentBean.setStudent\_id(Integer.*parseInt*(cursor.getString(0)));  studentBean.setStudent\_firstname(cursor.getString(1));  studentBean.setStudent\_lastname(cursor.getString(2));  studentBean.setStudent\_mobilenumber(cursor.getString(3));  studentBean.setStudent\_address(cursor.getString(4));  studentBean.setStudent\_department(cursor.getString(5));  studentBean.setStudent\_class(cursor.getString(6));  list.add(studentBean);  }while(cursor.moveToNext());  }  return list;  }   public ArrayList<StudentBean> getAllStudentByBranchYear(String branch,String year)  {  ArrayList<StudentBean> list = new ArrayList<StudentBean>();   SQLiteDatabase db = this.getWritableDatabase();  String query = "SELECT \* FROM student\_table where student\_department='"+branch+"' and student\_class='"+year+"'";  Cursor cursor = db.rawQuery(query, null);   if(cursor.moveToFirst())   {  do{  StudentBean studentBean = new StudentBean();  studentBean.setStudent\_id(Integer.*parseInt*(cursor.getString(0)));  studentBean.setStudent\_firstname(cursor.getString(1));  studentBean.setStudent\_lastname(cursor.getString(2));  studentBean.setStudent\_mobilenumber(cursor.getString(3));  studentBean.setStudent\_address(cursor.getString(4));  studentBean.setStudent\_department(cursor.getString(5));  studentBean.setStudent\_class(cursor.getString(6));  list.add(studentBean);  }while(cursor.moveToNext());  }  return list;  }      public ArrayList<StudentBean> getAllStudentmobile()  {  ArrayList<StudentBean> list = new ArrayList<StudentBean>();   SQLiteDatabase db = this.getWritableDatabase();  String query = "SELECT \* FROM student\_table ";  Cursor cursor = db.rawQuery(query, null);   if(cursor.moveToFirst())  {  do{  StudentBean studentBean = new StudentBean();  studentBean.setStudent\_id(Integer.*parseInt*(cursor.getString(0)));  studentBean.setStudent\_firstname(cursor.getString(1));  studentBean.setStudent\_lastname(cursor.getString(2));  studentBean.setStudent\_mobilenumber(cursor.getString(3));  studentBean.setStudent\_address(cursor.getString(4));  studentBean.setStudent\_department(cursor.getString(5));  studentBean.setStudent\_class(cursor.getString(6));  list.add(studentBean);  }while(cursor.moveToNext());  }  return list;  }               public StudentBean getStudentById(int studentId)  {  StudentBean studentBean = new StudentBean();  SQLiteDatabase db = this.getWritableDatabase();  String query = "SELECT \* FROM student\_table where student\_id="+studentId;  Cursor cursor = db.rawQuery(query, null);   if(cursor.moveToFirst())   {  do{    studentBean.setStudent\_id(Integer.*parseInt*(cursor.getString(0)));  studentBean.setStudent\_firstname(cursor.getString(1));  studentBean.setStudent\_lastname(cursor.getString(2));  studentBean.setStudent\_mobilenumber(cursor.getString(3));  studentBean.setStudent\_address(cursor.getString(4));  studentBean.setStudent\_department(cursor.getString(5));  studentBean.setStudent\_class(cursor.getString(6));    }while(cursor.moveToNext());  }  return studentBean;  }   public void deleteStudent(int studentId) {  SQLiteDatabase db = this.getWritableDatabase();   String query = "DELETE FROM student\_table WHERE student\_id="+studentId ;   Log.*d*("query", query);  db.execSQL(query);  db.close();  }   //attendance session Table crud  public int addAttendanceSession(AttendanceSessionBean attendanceSessionBean) {  SQLiteDatabase db = this.getWritableDatabase();   String query = "INSERT INTO attendance\_session\_table (attendance\_session\_faculty\_id,attendance\_session\_department,attendance\_session\_class,attendance\_session\_date,attendance\_session\_subject) values ('"+   attendanceSessionBean.getAttendance\_session\_faculty\_id()+"', '"+  attendanceSessionBean.getAttendance\_session\_department()+"','"+  attendanceSessionBean.getAttendance\_session\_class()+"', '"+  attendanceSessionBean.getAttendance\_session\_date()+"', '"+  attendanceSessionBean.getAttendance\_session\_subject()+"')";  Log.*d*("query", query);  db.execSQL(query);   String query1= "select max(attendance\_session\_id) from attendance\_session\_table";  Cursor cursor = db.rawQuery(query1, null);    if(cursor.moveToFirst())  {  int sessionId = Integer.*parseInt*(cursor.getString(0));    return sessionId;  }      db.close();  return 0;  }   public ArrayList<AttendanceSessionBean> getAllAttendanceSession()  {  ArrayList<AttendanceSessionBean> list = new ArrayList<AttendanceSessionBean>();   SQLiteDatabase db = this.getWritableDatabase();  String query = "SELECT \* FROM attendance\_session\_table";  Cursor cursor = db.rawQuery(query, null);   if(cursor.moveToFirst())   {  do{  AttendanceSessionBean attendanceSessionBean = new AttendanceSessionBean();  attendanceSessionBean.setAttendance\_session\_id(Integer.*parseInt*(cursor.getString(0)));  attendanceSessionBean.setAttendance\_session\_faculty\_id(Integer.*parseInt*(cursor.getString(1)));  attendanceSessionBean.setAttendance\_session\_department(cursor.getString(2));  attendanceSessionBean.setAttendance\_session\_class(cursor.getString(3));  attendanceSessionBean.setAttendance\_session\_date(cursor.getString(4));  attendanceSessionBean.setAttendance\_session\_subject(cursor.getString(5));  list.add(attendanceSessionBean);  }while(cursor.moveToNext());  }  return list;  }   public void deleteAttendanceSession(int attendanceSessionId) {  SQLiteDatabase db = this.getWritableDatabase();   String query = "DELETE FROM attendance\_session\_table WHERE attendance\_session\_id="+attendanceSessionId ;   Log.*d*("query", query);  db.execSQL(query);  db.close();  }  //attendance crud  public void addNewAttendance(AttendanceBean attendanceBean) {  SQLiteDatabase db = this.getWritableDatabase();   String query = "INSERT INTO attendance\_table values ("+   attendanceBean.getAttendance\_session\_id()+", "+  attendanceBean.getAttendance\_student\_id()+", '"+  attendanceBean.getAttendance\_status()+"')";  Log.*d*("query", query);  db.execSQL(query);  db.close();  }      public ArrayList<AttendanceBean> getAttendanceBySessionID(AttendanceSessionBean attendanceSessionBean)  {  int attendanceSessionId=0;  ArrayList<AttendanceBean> list = new ArrayList<AttendanceBean>();   SQLiteDatabase db = this.getWritableDatabase();  String query = "SELECT \* FROM attendance\_session\_table where attendance\_session\_faculty\_id="+attendanceSessionBean.getAttendance\_session\_faculty\_id()+""  +" AND attendance\_session\_department='"+attendanceSessionBean.getAttendance\_session\_department()+"' AND attendance\_session\_class='"+attendanceSessionBean.getAttendance\_session\_class()+"'" +  " AND attendance\_session\_date='"+attendanceSessionBean.getAttendance\_session\_date()+"' AND attendance\_session\_subject='"+attendanceSessionBean.getAttendance\_session\_subject()+"'";  Cursor cursor = db.rawQuery(query, null);   if(cursor.moveToFirst())   {  do{  attendanceSessionId=(Integer.*parseInt*(cursor.getString(0)));  }while(cursor.moveToNext());  }    String query1="SELECT \* FROM attendance\_table where attendance\_session\_id=" + attendanceSessionId+" order by attendance\_student\_id";  Cursor cursor1 = db.rawQuery(query1, null);  if(cursor1.moveToFirst())   {  do{  AttendanceBean attendanceBean = new AttendanceBean();  attendanceBean.setAttendance\_session\_id(Integer.*parseInt*(cursor1.getString(0)));  attendanceBean.setAttendance\_student\_id(Integer.*parseInt*(cursor1.getString(1)));  attendanceBean.setAttendance\_status(cursor1.getString(2));  list.add(attendanceBean);   }while(cursor1.moveToNext());  }  return list;  }    public ArrayList<AttendanceBean> getTotalAttendanceBySessionID(AttendanceSessionBean attendanceSessionBean)  {  int attendanceSessionId=0;  ArrayList<AttendanceBean> list = new ArrayList<AttendanceBean>();   SQLiteDatabase db = this.getWritableDatabase();  String query = "SELECT \* FROM attendance\_session\_table where attendance\_session\_faculty\_id="+attendanceSessionBean.getAttendance\_session\_faculty\_id()+""  +" AND attendance\_session\_department='"+attendanceSessionBean.getAttendance\_session\_department()+"' AND attendance\_session\_class='"+attendanceSessionBean.getAttendance\_session\_class()+"'" +  " AND attendance\_session\_subject='"+attendanceSessionBean.getAttendance\_session\_subject()+"'";  Cursor cursor = db.rawQuery(query, null);   if(cursor.moveToFirst())   {  do{  attendanceSessionId=(Integer.*parseInt*(cursor.getString(0)));    String query1="SELECT \* FROM attendance\_table where attendance\_session\_id=" + attendanceSessionId+" order by attendance\_student\_id";  Cursor cursor1 = db.rawQuery(query1, null);  if(cursor1.moveToFirst())   {  do{  AttendanceBean attendanceBean = new AttendanceBean();  attendanceBean.setAttendance\_session\_id(Integer.*parseInt*(cursor1.getString(0)));  attendanceBean.setAttendance\_student\_id(Integer.*parseInt*(cursor1.getString(1)));  attendanceBean.setAttendance\_status(cursor1.getString(2));  list.add(attendanceBean);   }while(cursor1.moveToNext());  }    AttendanceBean attendanceBean = new AttendanceBean();  attendanceBean.setAttendance\_session\_id(0);  attendanceBean.setAttendance\_status("Date : " + cursor.getString(4));  list.add(attendanceBean);    }while(cursor.moveToNext());  }      return list;  }    public ArrayList<AttendanceBean> getAllAttendanceByStudent()  {  ArrayList<AttendanceBean> list = new ArrayList<AttendanceBean>();   SQLiteDatabase db = this.getWritableDatabase();  String query = "SELECT attendance\_student\_id,count(\*) FROM attendance\_table where attendance\_status='P' group by attendance\_student\_id";    Log.*d*("query", query);    Cursor cursor = db.rawQuery(query, null);       if(cursor.moveToFirst())   {  do{  Log.*d*("studentId","studentId:"+cursor.getString(0)+", Count:"+cursor.getString(1));  AttendanceBean attendanceBean = new AttendanceBean();  attendanceBean.setAttendance\_student\_id(Integer.*parseInt*(cursor.getString(0)));  attendanceBean.setAttendance\_session\_id(Integer.*parseInt*(cursor.getString(1)));  list.add(attendanceBean);   }while(cursor.moveToNext());  }  return list;  }  /\*public ArrayList<AttendanceBean> getAllAttendanceBySessionID(int sessionId)  {  ArrayList<AttendanceBean> list = new ArrayList<AttendanceBean>();   SQLiteDatabase db = this.getWritableDatabase();  String query = "SELECT \* FROM attendance\_table where attendance\_session\_id=" + sessionId;  Cursor cursor = db.rawQuery(query, null);   if(!cursor.moveToFirst())   {  do{  AttendanceBean attendanceBean = new AttendanceBean();  attendanceBean.setAttendance\_session\_id(Integer.parseInt(cursor.getString(0)));  attendanceBean.setAttendance\_student\_id(Integer.parseInt(cursor.getString(1)));  attendanceBean.setAttendance\_status(cursor.getString(2));  list.add(attendanceBean);   }while(cursor.moveToNext());  }  return list;  }\*/        // Creating Tables  /\*@Override  public void onCreate(SQLiteDatabase db) {  String CREATE\_User\_Info\_TABLE = "CREATE TABLE " + TABLE\_INFO\_USER + "("  + KEY\_ID + " INTEGER PRIMARY KEY, " + KEY\_FIRSTNAME + " TEXT, "+ KEY\_LASTNAME + " TEXT, " +KEY\_MO\_NO +" TEXT, "  +KEY\_EMAIL +" TEXT, " +KEY\_USERNAME +" TEXT, " + KEY\_PASSWORD +" TEXT " + ")";   Log.d("rupali",CREATE\_User\_Info\_TABLE );  db.execSQL(CREATE\_User\_Info\_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\_INFO\_USER);   // Create tables again  onCreate(db);  }   \*/*/\*\*  \* All CRUD(Create, Read, Update, Delete) Operations  \*/*/\*     void addUserInfo(UserInfo userinfo) {  SQLiteDatabase db = this.getWritableDatabase();   ContentValues values = new ContentValues();  values.put(KEY\_FIRSTNAME, userinfo.getUser\_Firstname()); // Name  values.put(KEY\_LASTNAME, userinfo.getUser\_Lastname()); // Name  values.put(KEY\_MO\_NO, userinfo.getUser\_MobileNo()); // Contact Phone  values.put(KEY\_EMAIL, userinfo.getUser\_EmailId());  values.put(KEY\_USERNAME, userinfo.getUser\_Username());  values.put(KEY\_PASSWORD, userinfo.getUser\_Password());   // Inserting Row  db.insert(TABLE\_INFO\_USER, null, values);  //2nd argument is String containing nullColumnHack  db.close(); // Closing database connection  }    // Getting single contact  UserInfo getUserInfo(int id) {  SQLiteDatabase db = this.getReadableDatabase();   Cursor cursor = db.query(TABLE\_INFO\_USER, new String[] { KEY\_ID,  KEY\_FIRSTNAME, KEY\_LASTNAME,KEY\_MO\_NO, KEY\_EMAIL, KEY\_USERNAME, KEY\_PASSWORD }, KEY\_ID + "=?",  new String[] { String.valueOf(id) }, null, null, null, null);  if (cursor != null)  cursor.moveToFirst();   UserInfo userinfo = new UserInfo(Integer.parseInt(cursor.getString(0)),  cursor.getString(1), cursor.getString(2), cursor.getString(3), cursor.getString(4),cursor.getString(5),cursor.getString(6));  // return contact  return userinfo;  }   public UserInfo validateUser(String username, String password)  {  SQLiteDatabase db = this.getReadableDatabase();  String query = "Select \* from User\_Info\_Table WHERE User\_Username='"+ username +"' AND User\_Password='"+password+"'";  Log.d("Rupali", "Login QUERY:" + query);   Cursor cursor = db.rawQuery(query, null);    if(!cursor.moveToFirst())   {  Log.d("Rupali", "cursor is null.. returing NULL");  return null;  }  Log.d("Rupali", "cursor is NOT null.. we got user data...");    UserInfo userinfo = new UserInfo(Integer.parseInt(cursor.getString(0)),  cursor.getString(1), cursor.getString(2), cursor.getString(3), cursor.getString(4),cursor.getString(5),cursor.getString(6));   return userinfo;  }   // Updating single contact  public int updateUserPassword(UserInfo userinfo) {  SQLiteDatabase db = this.getWritableDatabase();   ContentValues values = new ContentValues();  values.put(KEY\_PASSWORD, userinfo.getUser\_Password());    // updating row  return db.update(TABLE\_INFO\_USER, values, KEY\_ID + " = ?",  new String[] { String.valueOf(userinfo.getUser\_id()) });  }   public int updateUserContact(UserInfo userinfo) {  SQLiteDatabase db = this.getWritableDatabase();   ContentValues values = new ContentValues();  values.put(KEY\_MO\_NO, userinfo.getUser\_MobileNo());  values.put(KEY\_EMAIL, userinfo.getUser\_EmailId());    // updating row  return db.update(TABLE\_INFO\_USER, values, KEY\_ID + " = ?",  new String[] { String.valueOf(userinfo.getUser\_id()) });  }    //veiw details   public UserInfo viewUserInfo(String id) {  SQLiteDatabase db = this.getReadableDatabase();   String query = "Select \* from User\_Info\_Table WHERE id='"+id+"'";  Cursor cursor = db.rawQuery(query, null);  if(!cursor.moveToFirst())   {  Log.d("Rupali", "cursor is null.. returing NULL");  return null;  }  Log.d("Rupali", "cursor is NOT null.. we got user data...");   UserInfo userinfo = new UserInfo(Integer.parseInt(cursor.getString(0)),  cursor.getString(1), cursor.getString(2), cursor.getString(3), cursor.getString(4),cursor.getString(5),cursor.getString(6));  // return contact  return userinfo;  }     // Getting All users  public List<UserInfo> getAllUserInfo() {  List<UserInfo> userinfolist = new ArrayList<UserInfo>();  // Select All Query  String selectQuery = "SELECT \* FROM " + TABLE\_INFO\_USER;   SQLiteDatabase db = this.getWritableDatabase();  Cursor cursor = db.rawQuery(selectQuery, null);   // looping through all rows and adding to list  if (cursor.moveToFirst()) {  do {   UserInfo userinfo=new UserInfo();   userinfo.setUser\_id(Integer.parseInt(cursor.getString(0)));  userinfo.setUser\_Lastname(cursor.getString(2));  userinfo.setUser\_Username(cursor.getString(5));  userinfo.setUser\_Firstname(cursor.getString(1));     // Adding contact to list  userinfolist.add(userinfo);  } while (cursor.moveToNext());  }   // return contact list  return userinfolist;  }   // Deleting single contact  public void deleteUser(UserInfo userinfo) {  SQLiteDatabase db = this.getWritableDatabase();  db.delete(TABLE\_INFO\_USER, KEY\_ID + " = ?",  new String[] { String.valueOf(userinfo.getUser\_id()) });  db.close();  }  \*/ }** |

**.xml files**

**listview\_main.xml**

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| **<?xml version="1.0" encoding="utf-8"?> <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  android:layout\_width="fill\_parent"  android:layout\_height="fill\_parent"  android:orientation="vertical"   android:background="@drawable/clg">   <ListView  android:id="@+id/listview"  android:layout\_width="wrap\_content"  android:layout\_height="match\_parent" >  </ListView>  </LinearLayout>** |

**activity\_main.xml**

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| **<?xml version="1.0" encoding="utf-8"?> <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  android:layout\_width="fill\_parent"  android:layout\_height="fill\_parent"  android:orientation="vertical"   android:background="@drawable/clg">   <ListView  android:id="@+id/listview"  android:layout\_width="wrap\_content"  android:layout\_height="match\_parent" >  </ListView>  </LinearLayout>** |

**add\_attandance.xml**

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| **<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:background="@drawable/clg"  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=".MainActivity" >   <TextView  android:id="@+id/textView1"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_alignParentLeft="true"  android:layout\_marginLeft="16dp"  android:text="Select Department"  android:textColor="#000000"  android:layout\_marginTop="75dp"  android:textAppearance="?android:attr/textAppearanceSmall" />   <Spinner  android:id="@+id/spinner1"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_alignParentTop="true"  android:layout\_marginLeft="56dp"  android:layout\_marginTop="68dp"  android:layout\_toRightOf="@+id/textView1" />   <TextView  android:id="@+id/textView2"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_below="@+id/spinner1"  android:layout\_marginTop="10dp"  android:layout\_toLeftOf="@+id/spinner1"  android:text="Select Year"  android:textAppearance="?android:attr/textAppearanceSmall" />   <Spinner  android:id="@+id/spinnerSE"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_alignLeft="@+id/spinneryear"  android:layout\_below="@+id/spinneryear" />   <Spinner  android:id="@+id/spinneryear"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_alignLeft="@+id/spinner1"  android:layout\_below="@+id/spinner1" />   <EditText  android:id="@+id/DateEditText"  android:layout\_width="150dp"  android:layout\_height="wrap\_content"  android:layout\_alignTop="@+id/DateImageButton"  android:layout\_toLeftOf="@+id/spinnerSE"  android:background="#ffffff"  android:hint="Select Date "  android:paddingLeft="26dp"  android:layout\_marginTop="10dp"  android:editable="false"  android:ems="10" >   <requestFocus />  </EditText>   <ImageButton  android:id="@+id/DateImageButton"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_alignLeft="@+id/spinnerSE"  android:layout\_below="@+id/spinnerSE"  android:layout\_marginLeft="14dp"  android:layout\_marginTop="22dp"  android:cropToPadding="true"  android:src="@drawable/calendar\_icon" />   <Button  android:id="@+id/buttonsubmit"  style="?android:attr/buttonStyleSmall"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_alignParentRight="true"  android:layout\_below="@+id/DateImageButton"  android:layout\_marginTop="22dp"  android:background="@drawable/roundedbutton"  android:text="Add Attendance" />   <TextView  android:id="@+id/textView3"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_alignLeft="@+id/textView2"  android:layout\_alignTop="@+id/spinnerSE"  android:layout\_marginTop="10dp"  android:text="Subject"  android:textAppearance="?android:attr/textAppearanceSmall" />   <Button  android:id="@+id/viewTotalAttendanceButton"  style="?android:attr/buttonStyleSmall"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_alignParentBottom="true"  android:layout\_alignParentRight="true"  android:background="@drawable/roundedbutton"  android:text="View Total Attendance" />   <Button  android:id="@+id/viewAttendancebutton"  style="?android:attr/buttonStyleSmall"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_above="@+id/button1"  android:layout\_alignParentLeft="true"  android:layout\_marginBottom="35dp"  android:background="@drawable/roundedbutton"  android:text="View Attendance" />  </RelativeLayout>** |

**add\_student\_attendance.xml**

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| **<?xml version="1.0" encoding="utf-8"?>  <TextView xmlns:android="http://schemas.android.com/apk/res/android"  android:id="@+id/labelA"  android:layout\_width="fill\_parent"  android:layout\_height="fill\_parent"  android:padding="10dip"  android:textSize="16sp"  android:textStyle="bold" > </TextView>** |

**addfaculty.xml**

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| **<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="match\_parent"  android:background="@drawable/clg"  android:paddingBottom="@dimen/activity\_vertical\_margin"  android:paddingLeft="@dimen/activity\_horizontal\_margin"  android:paddingRight="@dimen/activity\_horizontal\_margin"  android:paddingTop="@dimen/activity\_vertical\_margin" >   <RelativeLayout  android:layout\_width="match\_parent"  android:layout\_height="700dp" >  <ImageView  android:layout\_width="50dp"  android:layout\_height="50dp"  android:layout\_alignParentLeft="true"  android:layout\_alignParentTop="true"  android:layout\_centerHorizontal="true"  android:layout\_centerVertical="true"  android:layout\_marginLeft="50dp"  android:layout\_marginTop="50dp"   android:src="@drawable/register"  android:contentDescription="@string/registration"  android:layout\_marginStart="150dp"  android:layout\_alignParentStart="true" />  <TextView  android:id="@+id/textViewFormName"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_alignParentTop="true"  android:layout\_centerHorizontal="true"  android:layout\_marginTop="50dp"  android:text="@string/registration"  android:textColor="#7842f5"  android:textSize="30sp"  android:textStyle="bold" />   <TextView  android:id="@+id/textViewFirstName"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:paddingStart="10dp"  android:paddingLeft="10dp"  android:layout\_marginTop="120dp"  android:text="@string/firstname"  android:textColor="#000000"  android:textSize="20sp"  android:textStyle="bold"  tools:ignore="RtlSymmetry" />   <requestFocus />   <EditText  android:id="@+id/editTextFirstName"  android:layout\_width="match\_parent"  android:layout\_height="30dp"  android:background="@drawable/roundedtextview"  android:ems="10"  android:layout\_marginTop="150dp"  android:hint="@string/enter\_firstname"  android:inputType="textPersonName"  android:paddingLeft="15dp"  android:autofillHints=""  android:paddingStart="15dp"  tools:ignore="RtlSymmetry" />   <TextView  android:id="@+id/textViewLastName"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:paddingStart="10dp"  android:paddingLeft="10dp"  android:layout\_marginTop="190dp"  android:text="@string/lastname"  android:textColor="#000000"  android:textSize="20sp"  android:textStyle="bold"  tools:ignore="RtlSymmetry" />   <EditText  android:id="@+id/editTextLastName"  android:layout\_width="match\_parent"  android:layout\_height="30dp"  android:background="@drawable/roundedtextview"  android:ems="10"  android:layout\_marginTop="220dp"  android:hint="@string/enter\_lastname"  android:inputType="textPersonName"  android:paddingLeft="15dp"  android:paddingStart="15dp"  tools:ignore="RtlSymmetry"  android:autofillHints="" />   <TextView  android:id="@+id/textViewEmail"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_alignParentLeft="true"  android:layout\_below="@+id/editTextLastName"  android:layout\_marginTop="10dp"  android:text=""  android:textColor="#FFFFFF"  android:layout\_alignParentStart="true" />   <EditText  android:id="@+id/editTextPhone"  android:layout\_width="match\_parent"  android:layout\_height="30dp"  android:background="@drawable/roundedtextview"  android:ems="10"  android:layout\_marginTop="290dp"  android:hint="@string/enter\_mobile\_number"  android:inputType="phone"  android:paddingLeft="15dp"  android:autofillHints=""  android:paddingStart="15dp"  tools:ignore="RtlSymmetry" />   <TextView  android:id="@+id/textViewUserName"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:paddingLeft="10dp"  android:layout\_marginTop="330dp"  android:text="@string/address"  android:textColor="#000000"  android:textSize="20sp"  android:textStyle="bold"  android:paddingStart="10dp"  tools:ignore="RtlSymmetry" />   <Button  android:id="@+id/Cancel\_Button"  android:layout\_width="100dp"  android:layout\_height="40dp"  android:layout\_marginTop="600dp"  android:layout\_marginLeft="200dp"  android:textSize="20sp"  android:textStyle="bold"  android:background="@drawable/roundedbuttonlog"  android:text="@string/cancel"  android:textColor="#ffffff"  android:layout\_marginStart="200dp" />   <Button  android:id="@+id/RegisterButton"  android:layout\_width="100dp"  android:layout\_height="40dp"  android:textStyle="bold"  android:textSize="20sp"  android:layout\_marginLeft="50dp"  android:layout\_marginTop="600dp"  android:background="@drawable/roundedbutton"  android:text="@string/submit"  android:textColor="#ffffff"  android:layout\_marginStart="50dp" />   <TextView  android:id="@+id/MessageforRegister"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_below="@+id/RegisterButton"  android:layout\_marginTop="54dp"  android:layout\_toRightOf="@+id/textViewUserName"  android:text=""  android:textColor="#FFFFFF"  android:layout\_toEndOf="@+id/textViewUserName" />   <EditText  android:id="@+id/editTextPassword"  android:layout\_width="match\_parent"  android:layout\_height="30dp"  android:layout\_centerHorizontal="true"  android:layout\_marginTop="550dp"  android:background="@drawable/roundedtextview"  android:ems="10"  android:hint="@string/enter\_password"  android:inputType="textPassword"  android:paddingLeft="15dp"  android:autofillHints=""  android:paddingStart="15dp"  tools:ignore="RtlSymmetry" />   <EditText  android:id="@+id/editTextUserName"  android:layout\_width="match\_parent"  android:layout\_height="30dp"  android:layout\_marginTop="490dp"  android:background="@drawable/roundedtextview"  android:ems="10"  android:hint="@string/enter\_username"  android:inputType="textPersonName"  android:paddingLeft="15dp"  android:autofillHints=""  android:paddingStart="15dp"  tools:ignore="RtlSymmetry" />   <TextView  android:id="@+id/textViewPassword"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:paddingLeft="10dp"  android:layout\_marginTop="520dp"  android:text="@string/password"  android:textColor="#000000"  android:textSize="20sp"  android:textStyle="bold"  android:paddingStart="10dp"  tools:ignore="RtlSymmetry" />   <EditText  android:id="@+id/editTextaddr"  android:layout\_width="match\_parent"  android:layout\_height="80dp"  android:layout\_marginTop="370dp"  android:background="@drawable/roundedtextview"  android:ems="10"  android:paddingLeft="15dp"  android:hint="@string/enter\_address"  android:inputType="textMultiLine"  android:lines="10"  android:paddingStart="15dp"  tools:ignore="RtlSymmetry"  android:autofillHints="" />   <TextView  android:id="@+id/textViewPhone"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"   android:layout\_marginTop="240dp"  android:paddingStart="10dp"  android:paddingLeft="10dp"  android:paddingTop="20dp"  android:text="@string/mobile\_number"  android:textColor="#000000"  android:textSize="20sp"  android:textStyle="bold"  tools:ignore="RtlSymmetry" />   <TextView  android:id="@+id/textView1"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:paddingLeft="10dp"  android:layout\_marginTop="460dp"  android:text="@string/username"  android:textAppearance="?android:attr/textAppearanceSmall"  android:textColor="#000000"  android:textSize="20sp"  android:textStyle="bold"  android:paddingStart="10dp"  tools:ignore="RtlSymmetry" />   </RelativeLayout>  </ScrollView>** |

**addstudent.xml**

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| **<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="match\_parent"  android:background="@drawable/clg"  android:paddingBottom="@dimen/activity\_vertical\_margin"  android:paddingLeft="@dimen/activity\_horizontal\_margin"  android:paddingRight="@dimen/activity\_horizontal\_margin"  android:paddingTop="@dimen/activity\_vertical\_margin" >   <RelativeLayout  android:layout\_width="match\_parent"  android:layout\_height="700dp" >  <ImageView  android:layout\_width="50dp"  android:layout\_height="50dp"  android:layout\_alignParentLeft="true"  android:layout\_alignParentTop="true"  android:layout\_centerHorizontal="true"  android:layout\_centerVertical="true"  android:layout\_marginLeft="50dp"  android:layout\_marginTop="50dp"   android:src="@drawable/register"  android:contentDescription="@string/registration"  android:layout\_marginStart="150dp"  android:layout\_alignParentStart="true" />  <TextView  android:id="@+id/textViewFormName"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_alignParentTop="true"  android:layout\_centerHorizontal="true"  android:layout\_marginTop="50dp"  android:text="@string/registration"  android:textColor="#7842f5"  android:textSize="30sp"  android:textStyle="bold" />   <TextView  android:id="@+id/textViewFirstName"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_alignParentLeft="true"  android:layout\_below="@+id/textViewFormName"  android:layout\_marginTop="20dp"  android:text="@string/firstname"  android:textColor="#000000"  android:textSize="20sp"  android:textStyle="bold"  android:paddingLeft="10sp"  android:layout\_alignParentStart="true"  android:paddingStart="10sp"  tools:ignore="RtlSymmetry" />   <requestFocus />   <EditText  android:id="@+id/editTextFirstName"  android:layout\_width="match\_parent"  android:layout\_height="35dp"  android:layout\_alignParentLeft="true"  android:layout\_below="@+id/textViewFirstName"  android:layout\_marginTop="5dp"  android:background="@drawable/roundedtextview"  android:ems="10"  android:hint="@string/enter\_firstname"  android:inputType="textPersonName"  android:paddingLeft="15dp"  android:layout\_alignParentStart="true"  android:paddingStart="15dp"  tools:ignore="RtlSymmetry"  android:autofillHints="" />   <TextView  android:id="@+id/textViewLastName"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_alignLeft="@+id/editTextFirstName"  android:layout\_below="@+id/editTextFirstName"  android:layout\_marginTop="15dp"  android:text="@string/lastname"  android:textColor="#000000"  android:textSize="20sp"  android:textStyle="bold"  android:paddingLeft="10sp"  android:paddingStart="10sp"  tools:ignore="RtlSymmetry"  android:layout\_alignStart="@+id/editTextFirstName" />   <EditText  android:id="@+id/editTextLastName"  android:layout\_width="match\_parent"  android:layout\_height="35dp"  android:layout\_alignLeft="@+id/textViewLastName"  android:layout\_below="@+id/textViewLastName"  android:layout\_marginTop="5dp"  android:background="@drawable/roundedtextview"  android:ems="10"  android:hint="@string/enter\_lastname"  android:inputType="textPersonName"  android:paddingLeft="15dp"  android:paddingStart="15dp"  tools:ignore="RtlSymmetry"  android:autofillHints=""  android:layout\_alignStart="@+id/textViewLastName" />   <TextView  android:id="@+id/textViewPhone"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_below="@+id/editTextLastName"  android:layout\_marginTop="15dp"  android:text="@string/contact\_number"  android:textColor="#000000"  android:textSize="20sp"  android:textStyle="bold"  android:paddingLeft="10sp"  android:paddingStart="10sp"  tools:ignore="RtlSymmetry" />   <EditText  android:id="@+id/editTextPhone"  android:layout\_width="match\_parent"  android:layout\_height="35dp"  android:layout\_below="@+id/textViewPhone"  android:layout\_centerHorizontal="true"  android:layout\_marginTop="5dp"  android:background="@drawable/roundedtextview"  android:ems="10"  android:hint="@string/enter\_contact\_number"  android:inputType="phone"  android:paddingLeft="15dp"  android:paddingStart="15dp"  tools:ignore="RtlSymmetry"  android:autofillHints="" />   <TextView  android:id="@+id/textViewUserName"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_alignLeft="@+id/editTextPhone"  android:layout\_below="@+id/editTextPhone"  android:layout\_marginTop="15dp"  android:text="@string/address"  android:textColor="#000000"  android:textSize="20sp"  android:textStyle="bold"  android:paddingLeft="10sp"  android:layout\_alignStart="@+id/editTextPhone"  android:paddingStart="10sp"  tools:ignore="RtlSymmetry" />   <Button  android:id="@+id/Cancel\_Button"  android:layout\_width="130dp"  android:layout\_height="50dp"  android:layout\_above="@+id/MessageforRegister"  android:layout\_alignParentRight="true"  android:layout\_marginRight="18dp"  android:textSize="25sp"  android:textStyle="bold"  android:background="@drawable/roundedbuttonlog"  android:text="@string/cancel"  android:textColor="#ffffff"  android:layout\_alignParentEnd="true"  android:layout\_marginEnd="18dp" />   <TextView  android:id="@+id/MessageforRegister"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_below="@+id/RegisterButton"  android:layout\_marginTop="54dp"  android:layout\_toRightOf="@+id/textViewUserName"  android:text=""  android:textColor="#FFFFFF"  android:layout\_toEndOf="@+id/textViewUserName" />   <TextView  android:id="@+id/textViewPassword"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_alignParentLeft="true"  android:layout\_below="@+id/textViewUserName"  android:layout\_marginTop="14dp"  android:text=""  android:textColor="#FFFFFF"  android:layout\_alignParentStart="true" />   <EditText  android:id="@+id/editTextaddr"  android:layout\_width="match\_parent"  android:layout\_height="120dp"  android:layout\_alignParentRight="true"  android:layout\_below="@+id/textViewUserName"  android:background="@drawable/roundedtextview"  android:ems="10"  android:paddingLeft="15dp"  android:hint="@string/enter\_address"  android:layout\_alignParentEnd="true"  android:paddingStart="15dp"  tools:ignore="RtlSymmetry"  android:autofillHints=""  android:inputType="textMultiLine"  android:lines="10"  />   <TextView  android:id="@+id/textView1"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_alignParentLeft="true"  android:layout\_marginTop="100dp"  android:layout\_below="@+id/textViewPassword"  android:text="@string/select\_department"  android:textAppearance="?android:attr/textAppearanceSmall"  android:textColor="#000000"  android:textSize="20sp"  android:textStyle="bold"  android:paddingLeft="10sp"  android:layout\_alignParentStart="true"  android:paddingStart="10sp"  tools:ignore="RtlSymmetry" />   <Spinner  android:id="@+id/spinnerdept"  android:layout\_width="100dp"  android:layout\_height="wrap\_content"  android:layout\_marginTop="-35dp"  android:layout\_marginLeft="200dp"  android:layout\_alignParentLeft="true"  android:layout\_below="@+id/textView1"  android:layout\_alignParentStart="true"  android:layout\_marginStart="200dp" />   <TextView  android:id="@+id/textView2"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_marginTop="560dp"  android:layout\_marginLeft="10dp"   android:text="@string/select\_year"  android:textAppearance="?android:attr/textAppearanceSmall"  android:textColor="#000000"   android:textStyle="bold"  android:textSize="20sp"    tools:ignore="RtlSymmetry"  android:layout\_marginStart="10dp" />   <Spinner  android:id="@+id/spinneryear"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_marginTop="560dp"  android:layout\_marginLeft="130dp"  android:layout\_marginStart="130dp" />   <Button  android:id="@+id/RegisterButton"  android:layout\_width="130dp"  android:layout\_height="50dp"  android:layout\_below="@+id/spinneryear"  android:layout\_marginTop="15dp"  android:layout\_marginLeft="50dp"  android:background="@drawable/roundedbutton"  android:text="@string/submit"  android:textStyle="bold"  android:textSize="25sp"  android:textColor="#ffffff"  android:layout\_marginStart="50dp" />  </RelativeLayout>  </ScrollView>** |

**listview\_main.xml**

|  |
| --- |
| **<?xml version="1.0" encoding="utf-8"?> <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  android:layout\_width="fill\_parent"  android:layout\_height="fill\_parent"  android:orientation="vertical" >   <ListView  android:id="@+id/listview"  android:layout\_width="fill\_parent"  android:layout\_height="403dp" >  </ListView>   </LinearLayout>** |

**login.xml**

|  |
| --- |
| **<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"  android:background="@drawable/clg"  tools:context="com.android.attendance.activity.MainActivity" >    <ImageView  android:layout\_width="45dp"  android:layout\_height="45dp"  android:layout\_alignParentLeft="true"  android:layout\_alignParentTop="true"  android:layout\_centerHorizontal="true"  android:layout\_centerVertical="true"  android:layout\_marginLeft="90dp"  android:layout\_marginTop="50dp"   android:src="@drawable/login"  android:contentDescription="@string/login"  android:layout\_marginStart="150dp"  android:layout\_alignParentStart="true" />  <TextView  android:id="@+id/textView1"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_centerHorizontal="true"  android:layout\_marginTop="50dp"  android:text="@string/login"  android:textAppearance="?android:attr/textAppearanceLarge"  android:textColor="#4287f5"  android:textSize="32sp"  android:textStyle="bold" />   <TextView  android:id="@+id/textView4"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_centerHorizontal="true"  android:layout\_marginTop="120dp"  android:text="@string/select\_role"  android:textAppearance="?android:attr/textAppearanceLarge"  android:textColor="#4034eb"  android:textSize="25sp"  android:textStyle="bold" />   <EditText  android:id="@+id/editTextpassword"  android:layout\_width="wrap\_content"  android:layout\_height="40dp"  android:layout\_centerHorizontal="true"  android:layout\_marginTop="330dp"  android:autofillHints="Enter Password"  android:hint="@string/enter\_password"  android:background="@drawable/roundedtextview"  android:ems="10"  android:paddingLeft="25dp"  android:inputType="textPassword"  tools:ignore="LabelFor,RtlSymmetry"  android:paddingStart="25dp" />   <TextView  android:id="@+id/textView3"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_centerHorizontal="true"  android:layout\_marginTop="300dp"  android:text="@string/password"  android:textAppearance="?android:attr/textAppearanceMedium"  android:textColor="#4034eb"  android:textSize="25sp" />   <TextView  android:id="@+id/textView2"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_centerHorizontal="true"  android:layout\_marginTop="220dp"  android:text="@string/username"  android:textAppearance="?android:attr/textAppearanceMedium"  android:textColor="#4034eb"  android:textSize="25sp" />   <EditText  android:id="@+id/editTextusername"  android:layout\_width="wrap\_content"  android:layout\_height="40dp"   android:layout\_centerHorizontal="true"  android:layout\_marginTop="250dp"  android:autofillHints="Enter Username"  android:hint="@string/enter\_username"  android:background="@drawable/roundedtextview"  android:ems="10"  android:paddingLeft="25dp"  android:inputType="text"  tools:ignore="LabelFor,RtlSymmetry"  android:paddingStart="25dp">   <requestFocus />  </EditText>   <Spinner  android:id="@+id/spinnerloginas"  android:layout\_width="150dp"  android:layout\_height="50dp"  android:layout\_centerHorizontal="true"  android:layout\_marginTop="150dp"  android:textColor="@android:color/holo\_blue\_bright"  android:textSize="25sp" />   <Button  android:id="@+id/buttonlogin"  android:layout\_width="210dp"  android:layout\_height="38dp"  android:layout\_centerHorizontal="true"  android:layout\_marginTop="400dp"  android:background="@drawable/roundedbutton"  android:textColor="@android:color/white"  android:text="@string/login"  android:textStyle="bold"  android:textSize="23sp"/>  </RelativeLayout>** |

**menu.xml**

|  |
| --- |
| **<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:background="@drawable/clg"  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.android.attendance.activity.MainActivity" >   <Button  android:id="@+id/buttonViewstudent"  android:layout\_width="180dp"  android:layout\_height="100dp"  android:layout\_marginLeft="200dp"  android:background="@drawable/roundedbutton"  android:text="@string/view\_student"  android:layout\_marginStart="200dp"  android:textSize="20sp"  android:textStyle="bold"  android:textColor="@android:color/white"/>   <Button  android:id="@+id/buttonlogout"  android:layout\_width="match\_parent"  android:layout\_height="50dp"  android:layout\_alignParentBottom="true"  android:background="@drawable/roundedbuttonlog"  android:text="@string/logout"  android:textSize="24sp"  android:textStyle="bold"  android:textColor="@android:color/white"/>   <Button  android:id="@+id/buttonviewfaculty"  android:layout\_width="180dp"  android:layout\_height="100dp"  android:layout\_marginTop="250dp"  android:layout\_marginLeft="200dp"  android:background="@drawable/roundedbutton1"  android:text="@string/view\_faculty"  android:layout\_marginStart="200dp"  android:textSize="20sp"  android:textStyle="bold"  android:textColor="@android:color/black"/>   <Button  android:id="@+id/buttonaddfaculty"  android:layout\_width="180dp"  android:layout\_height="100dp"  android:layout\_marginTop="250dp"  android:background="@drawable/roundedbutton1"  android:text="@string/add\_faculty"  android:textSize="20sp"  android:textStyle="bold"  android:textColor="@android:color/black"/>   <Button  android:id="@+id/buttonaddstudent"  android:layout\_width="180dp"  android:layout\_height="100dp"  android:background="@drawable/roundedbutton"  android:text="@string/add\_student"  android:textSize="20sp"  android:textStyle="bold"  android:textColor="@android:color/white"/>   <Button  android:id="@+id/attendancePerStudentButton"  android:layout\_width="match\_parent"  android:layout\_height="100dp"  android:layout\_marginTop="120dp"  android:background="@drawable/roundedbutton"  android:text="@string/attendance\_per\_student"  android:textSize="20sp"  android:textStyle="bold"  android:textColor="@android:color/white"/>  <Button  android:id="@+id/smsbutton"  android:layout\_width="match\_parent"  android:layout\_height="100dp"  android:background="@drawable/roundedbutton"  android:text="Send Attendance to Students"  android:textSize="20sp"  android:textStyle="bold"  android:layout\_marginTop="380dp"  android:onClick="sendMessage"  android:textColor="@android:color/white"  />    </RelativeLayout>** |

**test\_layout.xml**

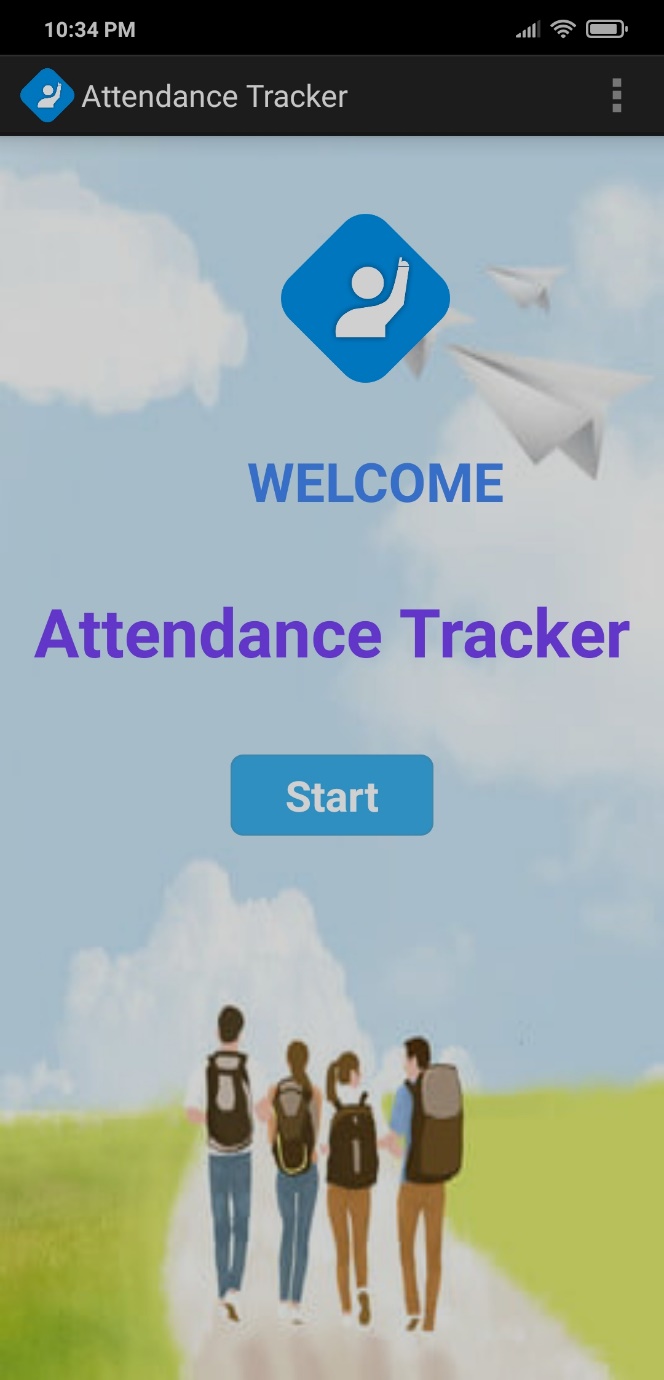
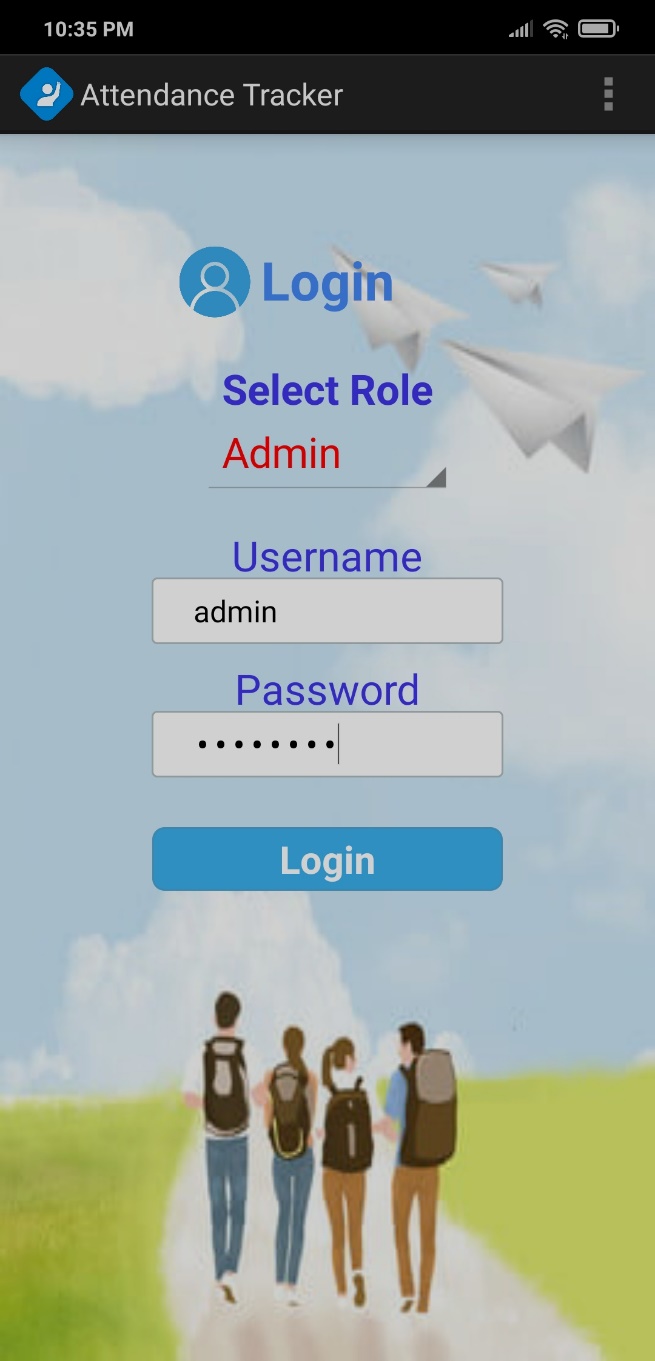
|  |
| --- |
| **<?xml version="1.0" encoding="utf-8"?> <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  xmlns:tools="http://schemas.android.com/tools"  android:layout\_width="match\_parent"  android:layout\_height="match\_parent"  android:orientation="vertical" >   <RadioGroup  android:id="@+id/radioGroup"  android:layout\_width="250dp"  android:layout\_height="120dp"  android:weightSum="1"  tools:ignore="UselessParent">   <RadioButton  android:id="@+id/PresentradioButton"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:focusable="false"  android:focusableInTouchMode="false"  android:text="P" />   <RadioButton  android:id="@+id/AbsentradioButton"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:focusable="false"  android:focusableInTouchMode="false"  android:text="A" />   <Button  android:id="@+id/attendanceSubmitButton"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:background="@drawable/roundedbutton"  android:text="Submit" />   </RadioGroup> </LinearLayout>** |

**test\_main.xml**

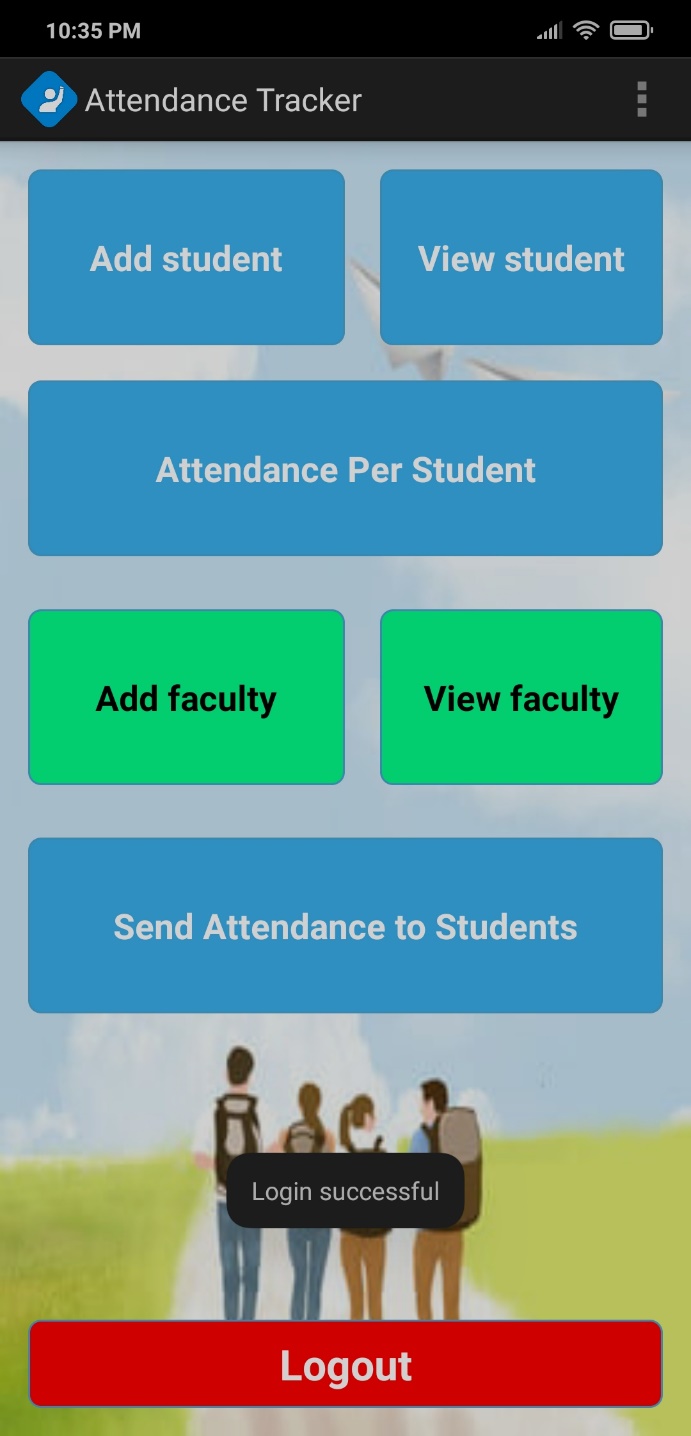
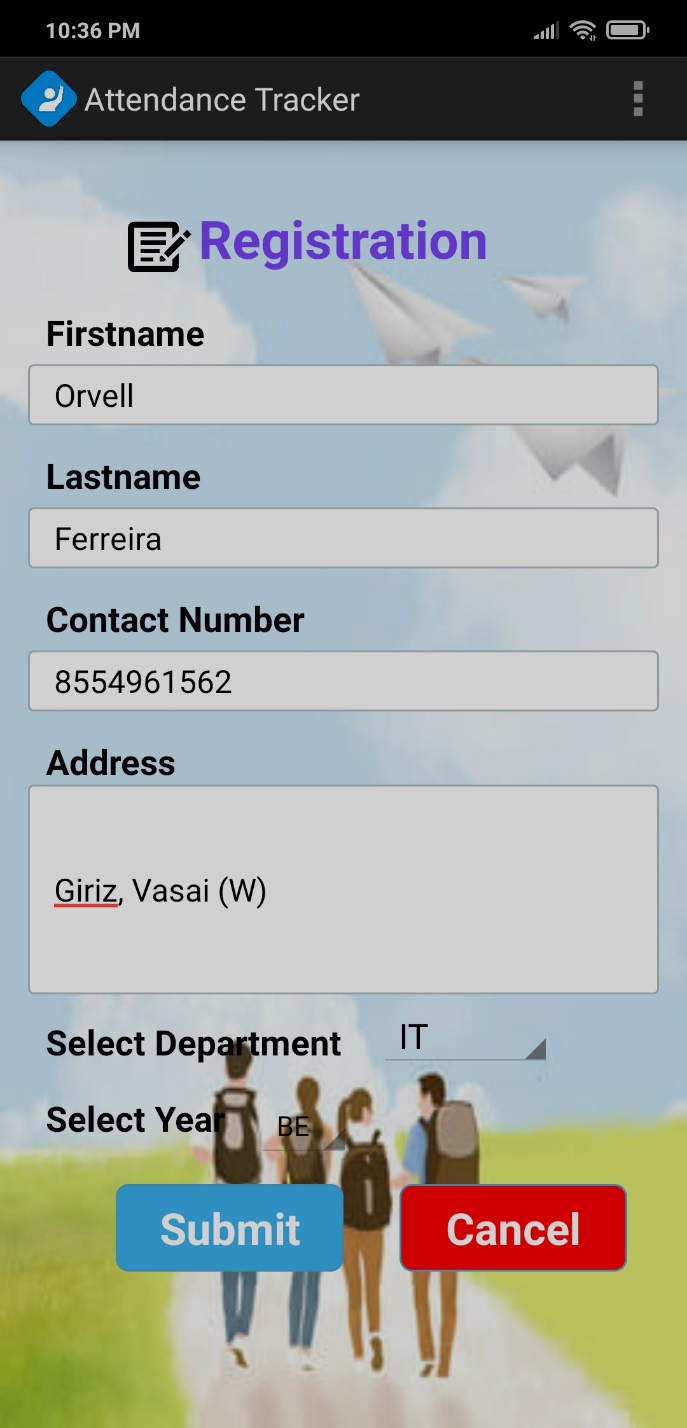
|  |
| --- |
| **<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"  xmlns:tools="http://schemas.android.com/tools"  android:layout\_width="match\_parent"  android:layout\_height="match\_parent"  android:paddingBottom="@dimen/activity\_vertical\_margin"  android:paddingLeft="@dimen/activity\_horizontal\_margin"  android:paddingRight="@dimen/activity\_horizontal\_margin"  android:paddingTop="@dimen/activity\_vertical\_margin"  tools:context=".TestActivity" >   <TextView  android:id="@+id/textView1"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:text="@string/hello\_world" />   <Button  android:id="@+id/button1"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_below="@+id/textView1"  android:layout\_marginTop="129dp"  android:layout\_toRightOf="@+id/textView1"  android:text="Button" />  </RelativeLayout>** |

**Output Screenshots**

**On Starting the App Login For Admin**

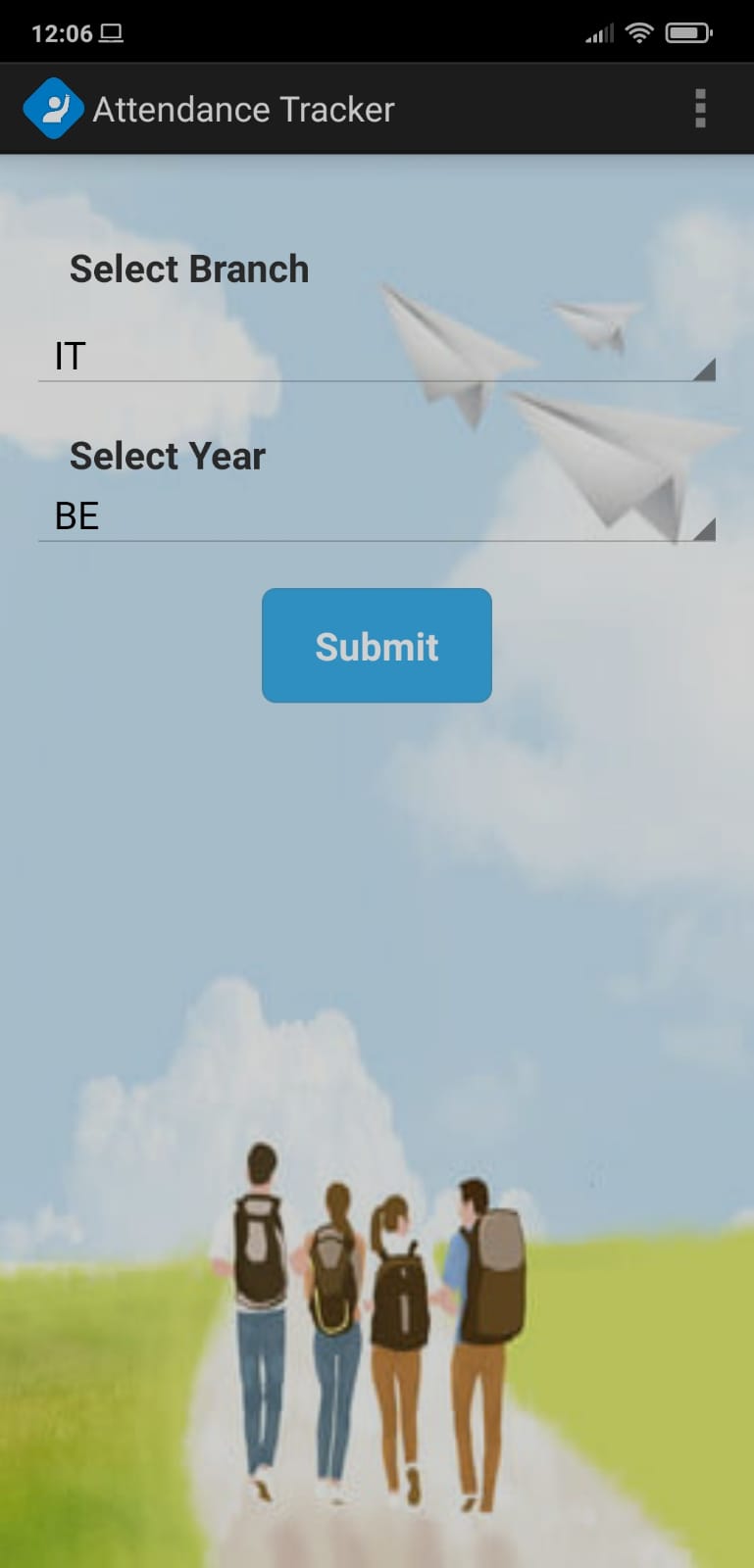
** **

**Admin Menu Add Student**

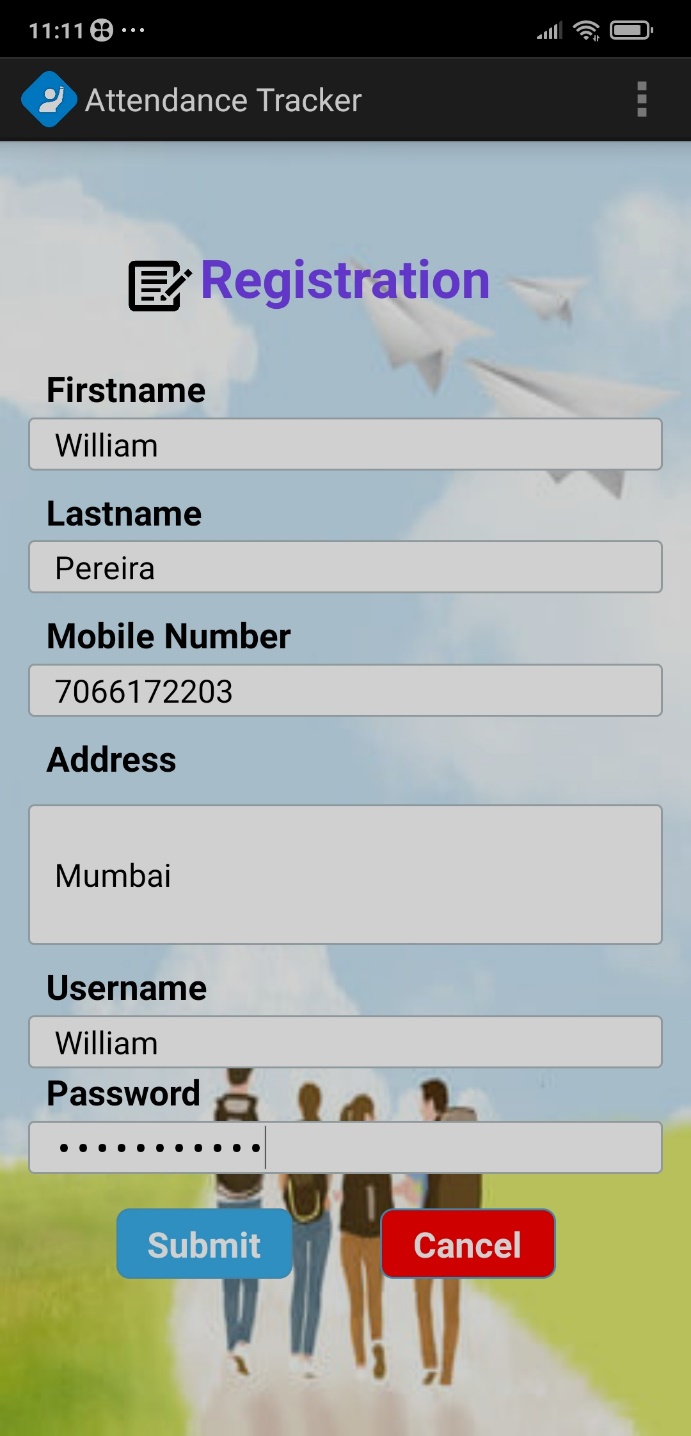
** **

**View Student**

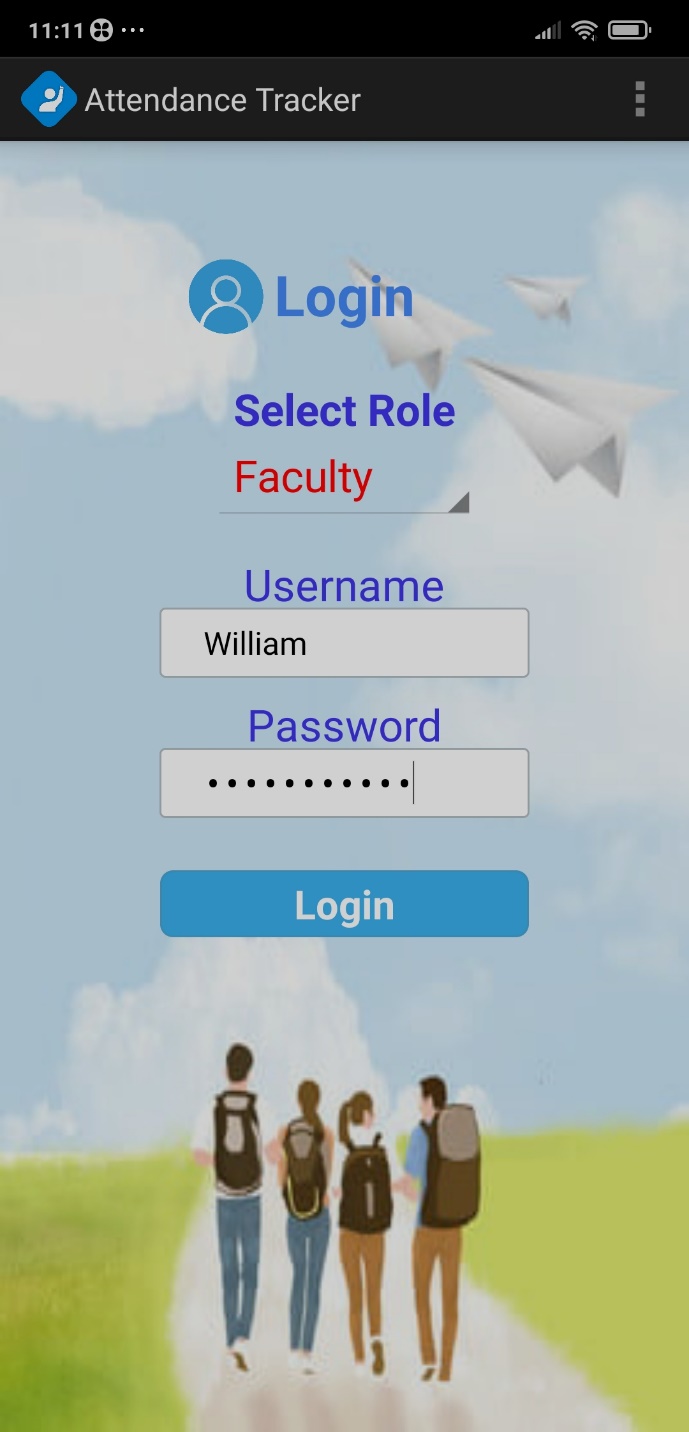
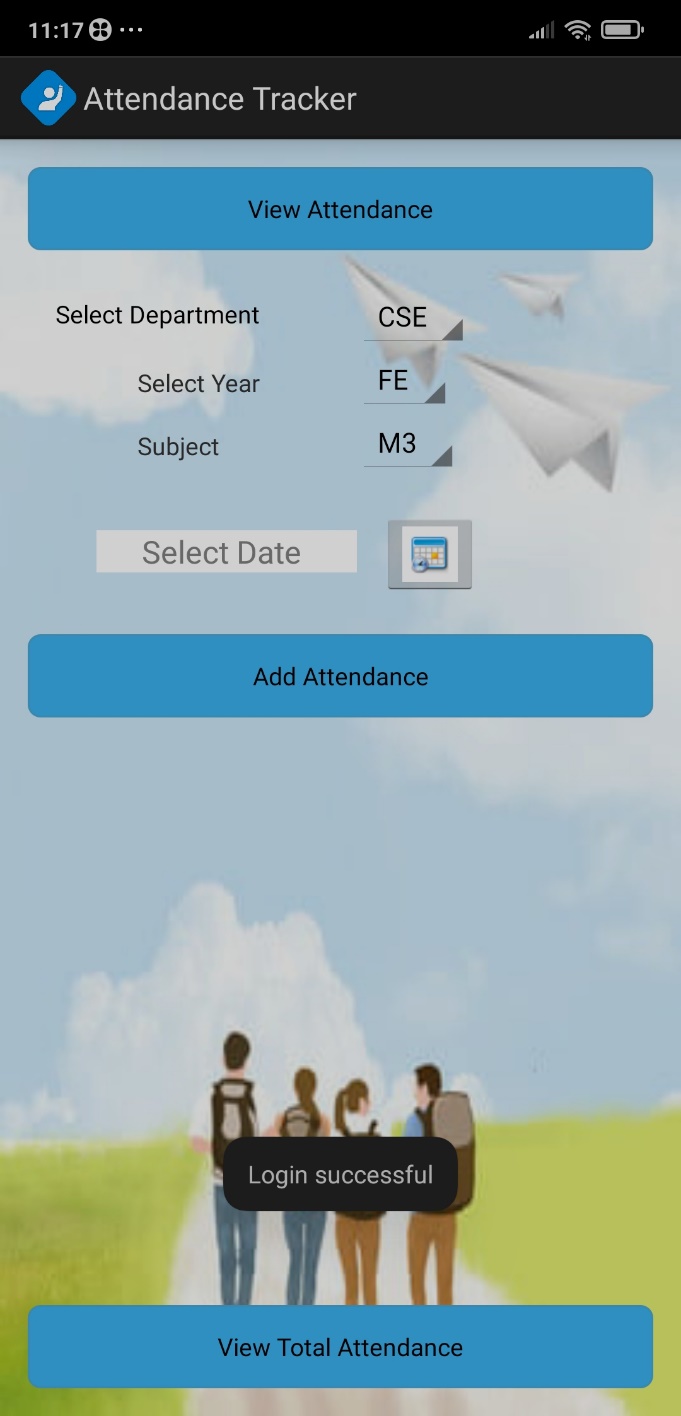
**Select Branch and Year to Display the Students**

** **

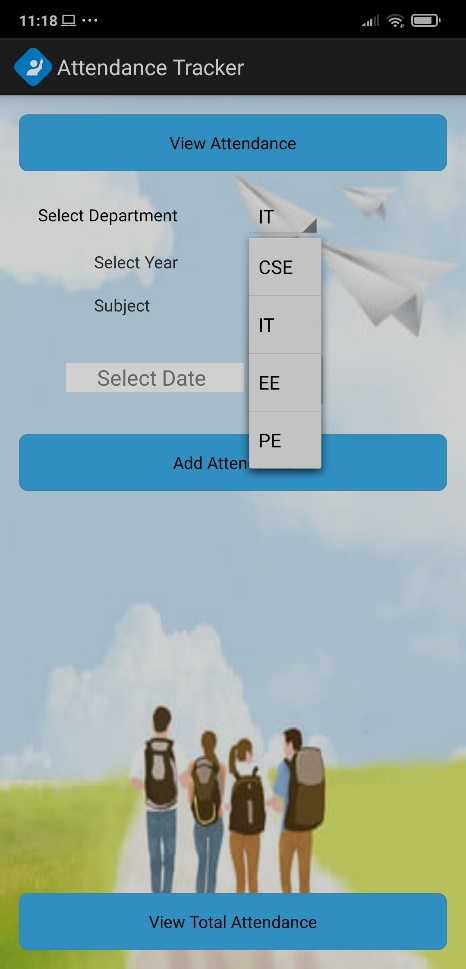
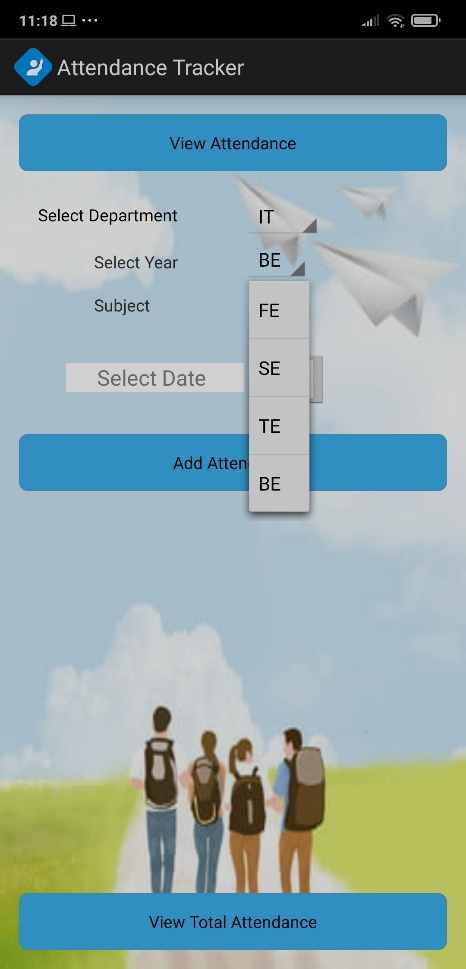
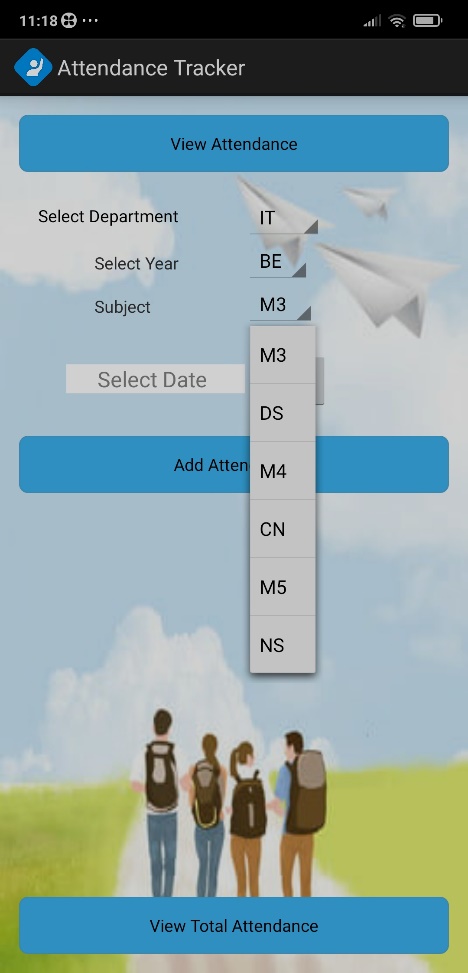
**Faculty Registration View Faculty**

** **

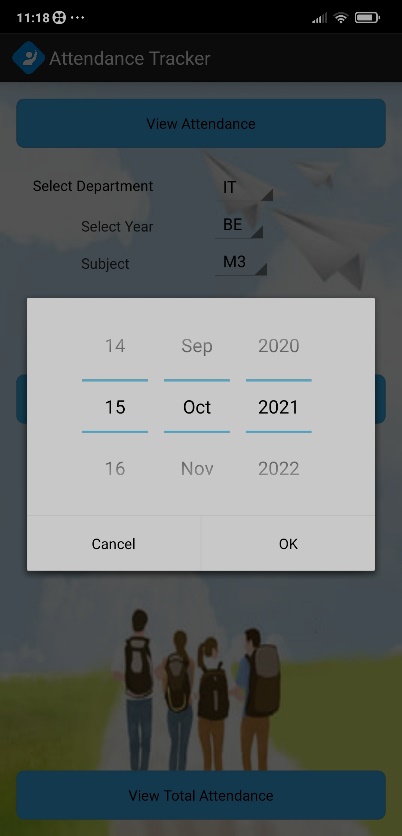
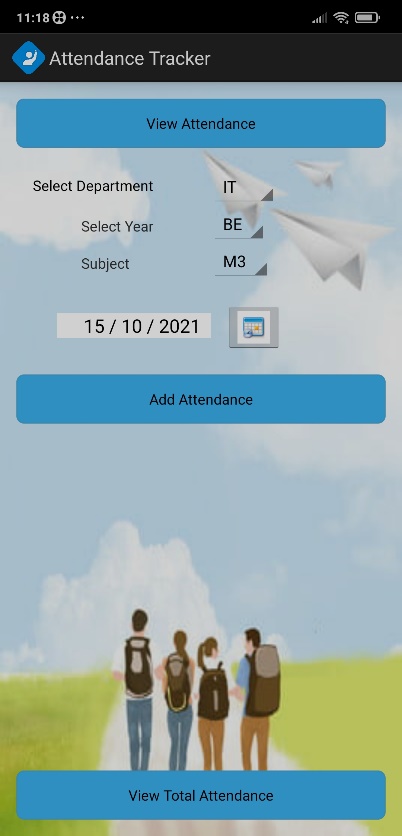
**Faculty Login Faculty Menu**

** **

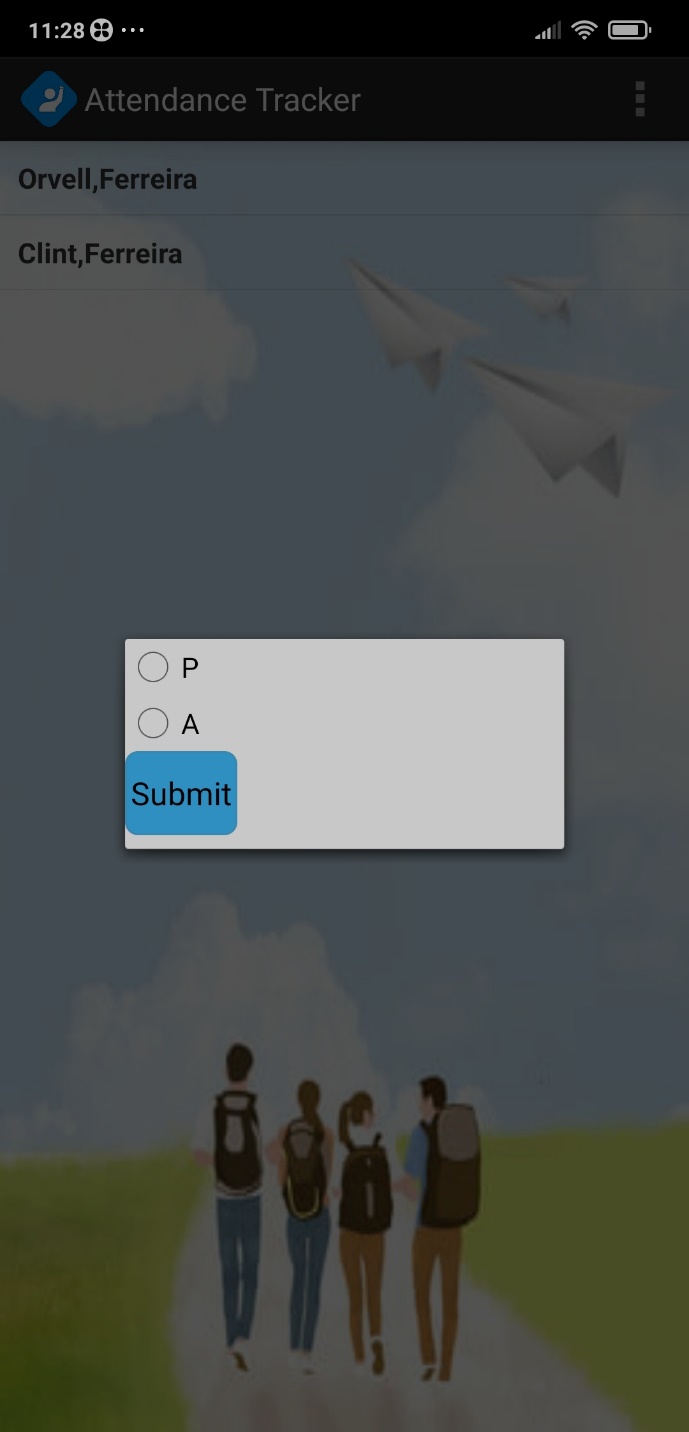
**Faculty Dropdowns**

**  **

**Date Selection**

**  **

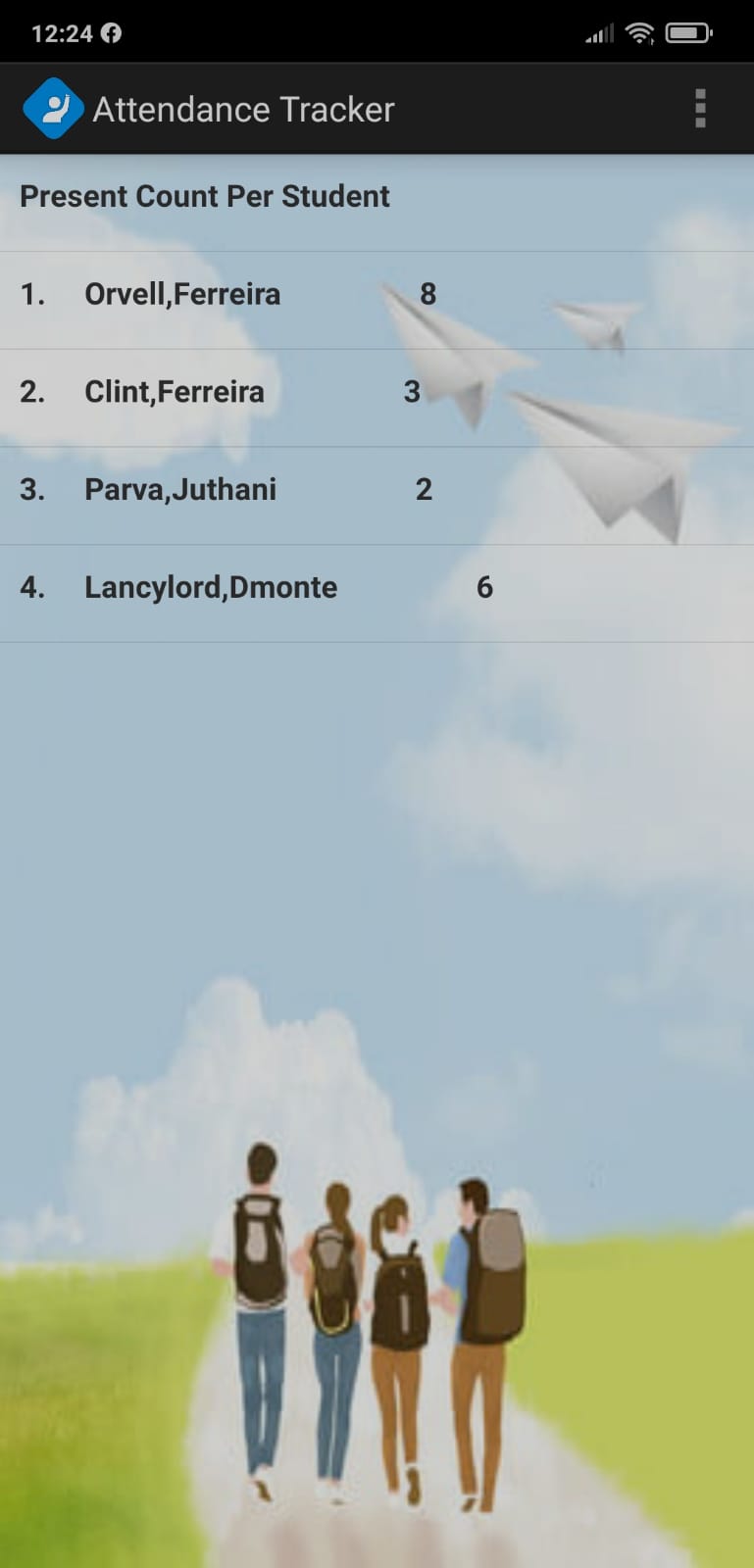
**Add Attendance View Attendance**

** **

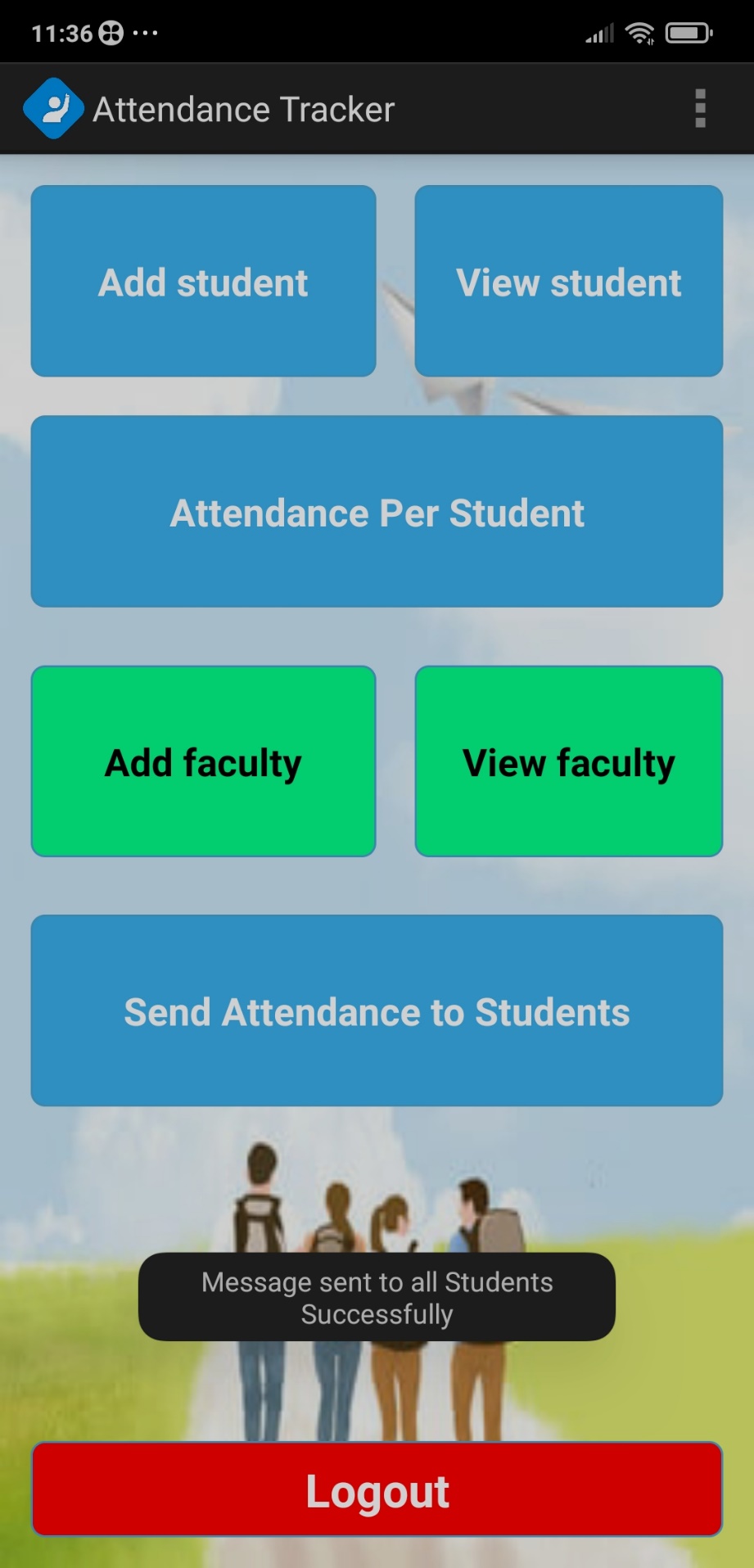
**View Total Attendance**

****

**Attendance Per Student At the Admin login**

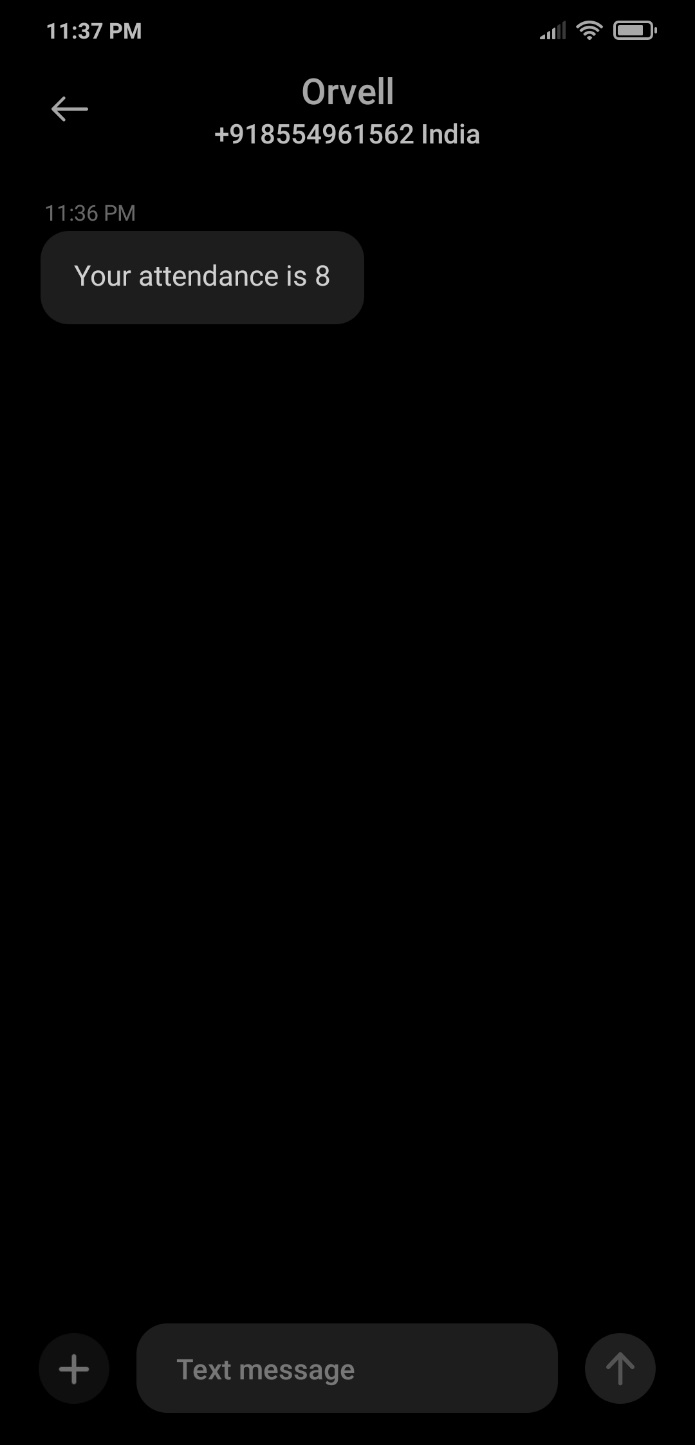
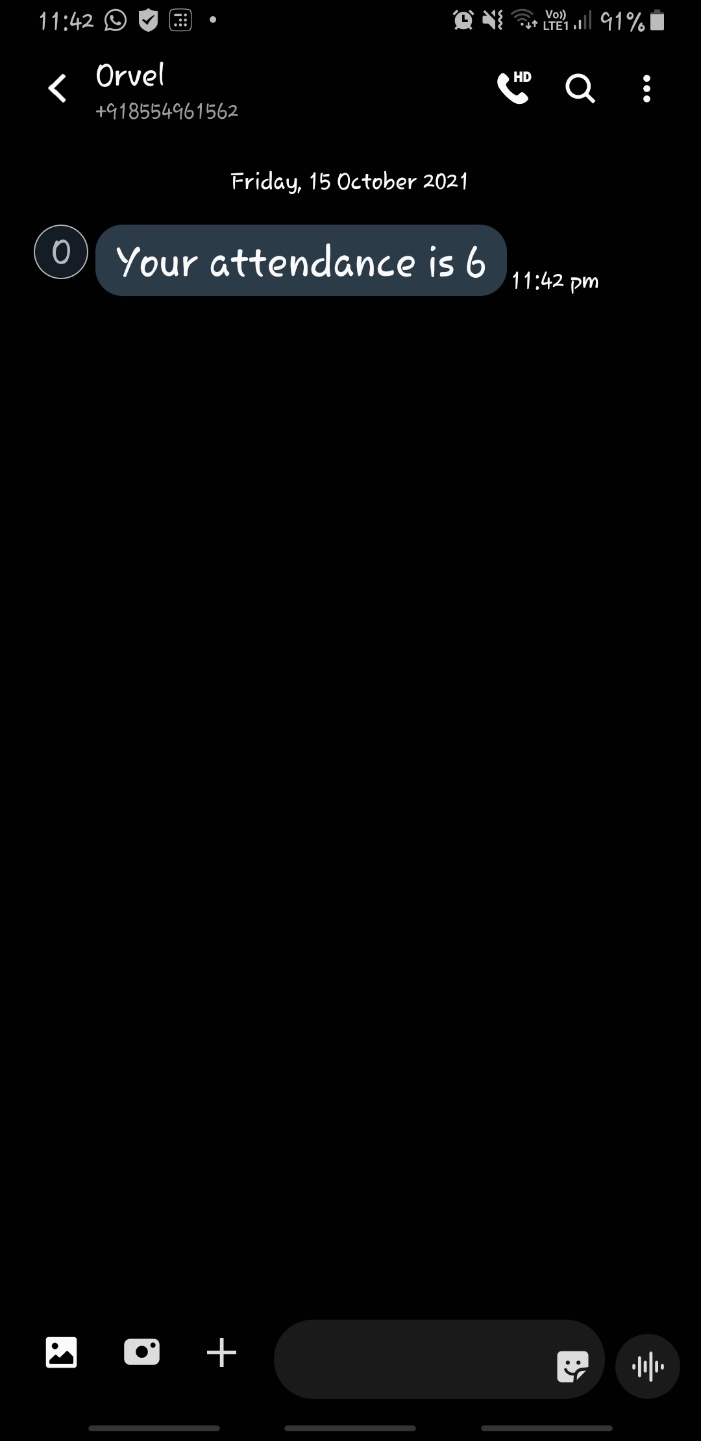
****

**Send SMS Alert of Attendance to Students**

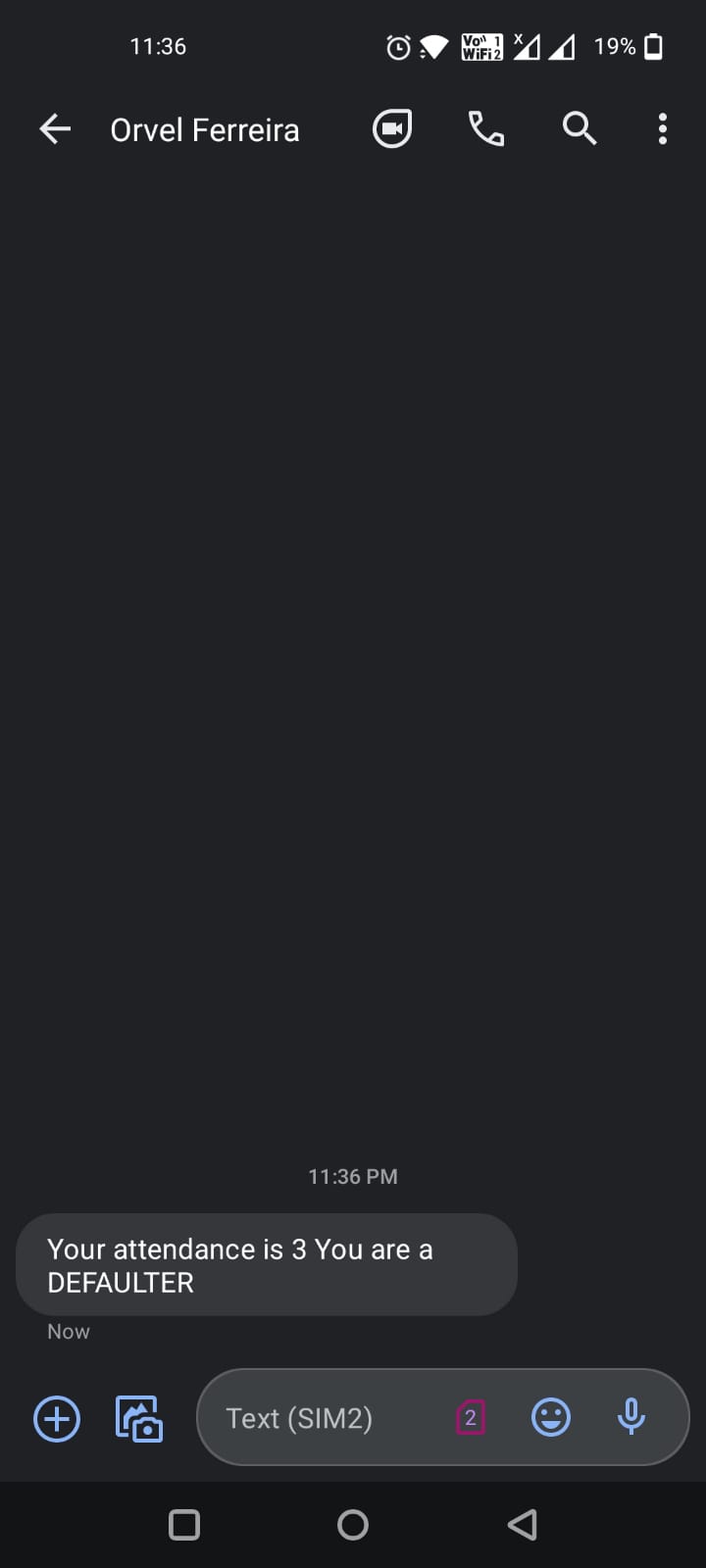
****

**SMS sent to Students**

**Student Who is not Defaulter**

** **

**Defaulters**

****

**CONCLUSION**

Thus, we have successfully created an attendance tracking android application. This application will benefit both the faculty and the institution as well. This android application is implemented to reduce the manual process for faculty members. The manual systems which were used traditionally do not serve the user in the best possible way and they can be tedious at times but with our android application the track if the attendance can be kept conveniently and a digital record of the same will be maintained.

In the future the functionality to integrate a .csv file can be added. Thus, the faculty member would non longer need to manually add every student to their class but can just import a excel file and all the student data would be added in the database. Also using the Camera API and machine learning algorithms the option to take attendance via face recognition can be added. For this purpose, FaceNet, Probablisit Face Embedding etc. can be used .

**REFERENCES**

1. <https://www.tutorialspoint.com/android/android_user_interface_layouts.htm>
2. <https://developer.android.com/guide/topics/media/camera>
3. <https://developer.android.com/studio>

4. <https://www.tutorialspoint.com/android/android_location_based_services.htm>