# ABSTRACT

In the traditional system there was a need to go on the voting booth and cast a vote. People from distinct places who did not have their voting cards cannot cast their votes. Also authentication of the user was not good and appropriate. There was a lot of paper work which was very time consuming. The results needed to be calculated manually which was very time consuming process. Therefore the proposed system is developed to remove the efforts needed in the traditional voting process.

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**CHAPTER 1**

**INTRODUCTION**

## Mobile Application Development

Mobile application development is the process to making software for smartphones and digital assistants, most commonly for Android and iOS. The software can be preinstalled on the device, downloaded from a mobile app store or accessed through a mobile web browser. The programming and markup languages used for this kind of software development include Java, Swift, C# and HTML5.

Mobile app development is rapidly growing. From retail, telecommunications and e- commerce to insurance, healthcare and government, organizations across industries must meet user expectations for real-time, convenient ways to conduct transactions and access information. Today, mobile devices—and the mobile applications that unlock their value—are the most popular way for people and businesses to connect to the internet. To stay relevant, responsive and successful, organizations need to develop the mobile applications that their customers, partners and employee’s demand.

Depending on the intended use case and target audience for the mobile application you are developing, you might have other considerations. For example, if you’re designing an app for your organization’s employees, you’ll need to support the platforms they use, which may mean developing cross-platform apps that work for both.

Android and iOS. Or if you’re building a mobile application for your customers and you know the majority of them, use iPhones, then developing iOS applications should be a top priority.

## Over view of Android Studio

Android Studio is the official integrated development environment (IDE) for Google's Android operating system, built on Jet Brains IntelliJ IDEA software and designed Specifically, for Android development. It is available for download on Windows, macOS and Linux based operating systems. It is a replacement for the Eclipse Android Development Tools(ADT) as the primary IDE for native Android application development.

Android Studio supports all the same programming languages of IntelliJ (and CLion) e.g., Java, C++, and more with extensions, such as Go, and Android Studio 3.0 or later supports Kotlin and "all Java 7 language features and a subset of Java 8 language features that vary by platform version.

Android Studio was announced on May 16, 2013 at the Google I/O conference. It was in early access preview stage starting from version 0.1 in May 2013, then entered beta stage starting from version 0.8 which was released in June 2014. The first stable build was released in December 2014, starting from version 1.0. The current stable version is 3.3, which was released in January 2019.

## Characteristics of Android Studio

* + - Gradle-based build support.
    - Android-specific [refactoring](https://en.m.wikipedia.org/wiki/Code_refactoring) and quick fixes.
    - [Lint](https://en.m.wikipedia.org/wiki/Lint_(software)) tools to catch performance, usability, version compatibility and other problems.
    - [Pro Guard](https://en.m.wikipedia.org/wiki/ProGuard_(software)) integration and app-signing capabilities.
    - Template-based wizards to create common Android designs and components.
    - A rich [layout editor](https://en.m.wikipedia.org/wiki/Graphical_user_interface_builder) that allows users to drag-and-drop UI components, option to [preview](https://en.m.wikipedia.org/wiki/WYSIWYG) [layouts](https://en.m.wikipedia.org/wiki/WYSIWYG) on multiple screen configurations.
    - Support for building [Android Wear](https://en.m.wikipedia.org/wiki/Android_Wear) apps.
    - Built-in support for Google Cloud Platform, enabling integration with Firebase Cloud Messaging (Earlier 'Google Cloud Messaging') and Google App Engine, Android Virtual Device (Emulator) to run and debug apps in the Android studio.

## Advantages of Android Studio

* + - Code and iterate faster than ever.
    - Fast and feature-rich emulator.
    - Code with confidence.
    - Testing tools and frameworks.
    - Configure builds without limits.
    - Optimized for all Android devices.
    - Create rich and connected apps

## Objective of the project

The android voting system is an android application that provides a new technique of casting votes using mobile phones. This application is especially developed for organizations, corporations and commercial businesses to get employees opinions whenever there is any new policy implemented or any issue being investigated or during controversies. The project provides an effective solution in resolving all the arguments that occurs in organizations by considering all employees opinions.

`

**CHAPTER 2**

## JAVA(JDK)

**IMPLEMENTATION**

JAVA was developed by James Gosling at Sun Micro systems Inc in the year 1991, later acquired by Oracle Corporation. It is a simple programming language. Java makes writing, compiling, and debugging programming easy. It helps to create reusable code and modular programs. Java is a class-based, object-oriented programming language and is designed to have as few implementation dependencies as possible. A general-purpose programming language made for developers to write once run anywhere that is compiled Java code can run on all platforms that support Java. Java applications are compiled to byte code that can run on any Java Virtual Machine. The syntax of Java is similar to C or C++.

The Java Development Kit (JDK) is one of three core technology packages used in

Java programming, along with the JVM (Java Virtual Machine) and the JRE (Java Runtime Environment). It's important to differentiate between these three technologies, as well as understanding how they're connected:

* The JVM is the Java platform component that executes programs.
* The JDK allows developers to create Java programs that can be executed and run by the JVM and JRE.

Developers new to Java often confuse the Java Development Kit and the Java Runtime Environment. The distinction is that the JDK is a package of tools for developing Java-based software, whereas the JRE is a package of tools for running Java code.

## XML

XML (Extensible Markup Language) is a markup language similar to HTML, but without predefined tags to use. Instead, you define your own tags designed specifically for your needs. This is a powerful way to store data in a format that can be stored, searched, and shared. Most importantly, since the fundamental format of XML is standardized, if you share or transmit XML across systems or platforms, either locally or over the internet, the recipient can still parse the data due to the standardized XML syntax. The design goals of XML focus on simplicity, generality, and usability across the Internet. It is a textual data format with strong support via Unicode for different human languages. Although the design of XML focuses on documents, the language is widely used for the representation of arbitrary data structures such as those used in web services.

Android XML layouts are also part of a larger umbrella of Android files and components called resources. Resources are the additional files and static content an application needs, such as animations, color schemes, layouts, menu layouts.

## XML Properties

* XML is a markup language that focuses on data rather than how the data looks.
* XML is designed to send, store, receive and display data. In simple words you can say that XML is used for storing and transporting data.
* XML became a W3C (W3C stands for World Wide Web Consortium, the main international standards organization for the World Wide Web) recommendation on February 10, 1998.
* XML is different from HTML. XML focuses on data while HTML focuses on how the data looks.
* XML does not depend on software and hardware, it is platform and programming language independent.
* Unlike HTML where most of the tags are predefined, XML doesn’t have predefined tags, rather you have to create your own tags.

## Android SDK

The Android SDK provides you the API libraries and developer tools necessary to build, test, and debug apps for Android. The ADT bundle includes the essential Android SDK components and a version of the Eclipse IDE with built- in Android Developer Tools to streamline the Android app development. ADT bundle consists of following components for developing the application II. Eclipse ADT plugin.

* + - Android SDK Tools
    - Android Platform-tools
    - The latest Android platform
    - The latest Android system image for the emulator

## Description of the Application

The mobile attendance system has been built to eliminate the time and effort wasted in taking attendances in schools and colleges. It also greatly reduces the amount of paper resources needed in attendance data management. The system is divided into following modules:

This android app runs on android phones. It’s built to be used for school/college faculty so that they may take student attendance on their phones.

#### 2.1 WORKING

* **Admin :** The activity of admin can Add the students, faculties add can view the faculties details and student details
* **Add Candidates:** The admin can add the candidate name
* **Create poll:** The admin can create a poll
* **Voter:** The voter can vote for the candidate of different Post

**CHAPTER 3**

SOURCE CODE

3.1 JAVA CODE

**Login Page**:

package com.eddrix.project.evoting.activities;

import android.content.Intent;

import android.os.Build;

import android.os.Bundle;

import android.text.Html;

import android.view.View;

import android.view.Window;

import android.view.WindowManager;

import android.widget.Button;

import android.widget.TextView;

import android.widget.Toast;

import androidx.annotation.NonNull;

import androidx.annotation.Nullable;

import androidx.appcompat.app.AppCompatActivity;

import androidx.appcompat.widget.Toolbar;

import com.eddrix.project.evoting.R;

import com.eddrix.project.evoting.dialogs.MyDialogLoader;

import com.google.android.material.textfield.TextInputEditText;

import java.util.HashMap;

import java.util.Map;

import java.util.Objects;

public class ActivityLogin extends AppCompatActivity implements View.OnClickListener {

private static final int CODE = 1;

Button button;

TextView SignUp;

Toolbar toolbar;

private MyDialogLoader myDialogLoader;

TextInputEditText username,password;

@Override

protected void onCreate(@Nullable Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

Window window = this.getWindow();

if (Build.VERSION.SDK\_INT >= 23) {

window.clearFlags(WindowManager.LayoutParams.FLAG\_TRANSLUCENT\_STATUS);

window.addFlags(WindowManager.LayoutParams.FLAG\_DRAWS\_SYSTEM\_BAR\_BACKGROUNDS);

window.setStatusBarColor(this.getResources().getColor(R.color.black));

window.getDecorView().setSystemUiVisibility(View.SYSTEM\_UI\_FLAG\_LIGHT\_STATUS\_BAR);

}else if(Build.VERSION.SDK\_INT<22){

window.clearFlags(WindowManager.LayoutParams.FLAG\_TRANSLUCENT\_STATUS);

window.addFlags(WindowManager.LayoutParams.FLAG\_DRAWS\_SYSTEM\_BAR\_BACKGROUNDS);

window.setStatusBarColor(this.getResources().getColor(R.color.black));

}

setContentView(R.layout.activity\_login);

toolbar=findViewById(R.id.toolbar);

toolbar.setTitle("Login");

toolbar.setTitleTextColor(getResources().getColor(R.color.colorAccent));

setSupportActionBar(toolbar);

username=findViewById(R.id.username);

password=findViewById(R.id.email);

Objects.requireNonNull(getSupportActionBar()).setDisplayHomeAsUpEnabled(true);

toolbar.setNavigationIcon(R.drawable.back);

toolbar.setNavigationOnClickListener(view -> finish());

button=findViewById(R.id.button);

button.setOnClickListener(this);

SignUp=findViewById(R.id.login);

String text = "<font color=#cc0029>No account? </font> <font color=#ffcc00>Register Now</font>";

SignUp.setText(Html.fromHtml(text));

SignUp.setOnClickListener(this);

}

@Override

public void onClick(View v) {

if (v.getId()==R.id.login){

startActivityForResult(new Intent(ActivityLogin.this,ActivityRegisteration.class),CODE);

//finish();

}else if(v.getId()==R.id.button){

if(checkFields()){

// send network request...

sendCredentials(username.getText().toString(),password.getText().toString());

button.setEnabled(false);

}else {

Toast.makeText(this,"Please Check All fields",Toast.LENGTH\_LONG).show();

}

}

}

private void sendCredentials(String username, String password) {

Map<String,Object>map=new HashMap<>();

map.put("USERNAME",username);

map.put("PASSWORD",password);

Loader(true,"Logging you in");

}

private boolean checkFields() {

if(Objects.requireNonNull(username.getText()).toString().equals("")|| Objects.requireNonNull(password.getText()).toString().equals("")){

return false;

}else

return true;

}

public void Loader(boolean state, String msg) {

if (myDialogLoader == null) {

myDialogLoader=new MyDialogLoader();

}

if (state){

Bundle bundle=new Bundle();

bundle.putString("MSG",msg);

myDialogLoader.setArguments(bundle);

myDialogLoader.show(getSupportFragmentManager(), "DL");

} else {

myDialogLoader.dismiss();

}

}

@Override

protected void onActivityResult(int requestCode, int resultCode, @Nullable Intent data) {

super.onActivityResult(requestCode, resultCode, data);

if (requestCode==CODE){

if (resultCode==RESULT\_OK)

finish();

}

}

}ic void onItemSelected(AdapterView<?> arg0, View view,  
 int arg2, long arg3) {  
 // *TODO Auto-generated method stub* ((TextView) arg0.getChildAt(0)).setTextColor(Color.*WHITE*);  
 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();  
 }  
 }  
  
  
 }  
 });  
  
  
  
 }

**Registration.java**:

package com.eddrix.project.evoting.activities;

import android.content.Intent;

import android.os.Build;

import android.os.Bundle;

import android.view.View;

import android.view.Window;

import android.view.WindowManager;

import android.widget.Button;

import android.widget.ImageView;

import androidx.annotation.Nullable;

import androidx.appcompat.app.AppCompatActivity;

import androidx.appcompat.widget.Toolbar;

import androidx.fragment.app.Fragment;

import androidx.fragment.app.FragmentManager;

import androidx.fragment.app.FragmentTransaction;

import com.eddrix.project.evoting.R;

import java.util.Objects;

public class ActivityRegisteration extends AppCompatActivity implements View.OnClickListener

{

Toolbar toolbar;

Button register;

@Override

protected void onCreate(@Nullable Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

Window window = this.getWindow();

if (Build.VERSION.SDK\_INT >= 23) {

window.clearFlags(WindowManager.LayoutParams.FLAG\_TRANSLUCENT\_STATUS);

window.addFlags(WindowManager.LayoutParams.FLAG\_DRAWS\_SYSTEM\_BAR\_BACKGROUNDS);

window.setStatusBarColor(this.getResources().getColor(R.color.black));

window.getDecorView().setSystemUiVisibility(View.SYSTEM\_UI\_FLAG\_LIGHT\_STATUS\_BAR);

}else if(Build.VERSION.SDK\_INT<22){

window.clearFlags(WindowManager.LayoutParams.FLAG\_TRANSLUCENT\_STATUS);

window.addFlags(WindowManager.LayoutParams.FLAG\_DRAWS\_SYSTEM\_BAR\_BACKGROUNDS);

window.setStatusBarColor(this.getResources().getColor(R.color.black));

}

setContentView(R.layout.activity\_reg);

register=findViewById(R.id.reg\_Proceed);

toolbar=findViewById(R.id.toolbar);

toolbar.setTitle("Register");

toolbar.setTitleTextColor(getResources().getColor(R.color.colorAccent));

setSupportActionBar(toolbar);

Objects.requireNonNull(getSupportActionBar()).setDisplayHomeAsUpEnabled(true);

toolbar.setNavigationIcon(R.drawable.back);

toolbar.setNavigationOnClickListener(view -> finish());

register.setOnClickListener(this);

}

@Override

public void onClick(View v) {

if(v.getId()==R.id.reg\_Proceed){

// start main activity..

startActivity(new Intent(ActivityRegisteration.this,MainActivity.class));

}

}

}

**Candidate.java**

package com.eddrix.project.evoting.activities;

import android.content.Intent;

import android.os.Build;

import android.os.Bundle;

import android.transition.Fade;

import android.view.View;

import android.view.Window;

import android.view.WindowManager;

import android.widget.ImageView;

import androidx.annotation.Nullable;

import androidx.appcompat.app.AppCompatActivity;

import androidx.appcompat.widget.Toolbar;

import androidx.core.app.ActivityOptionsCompat;

import androidx.recyclerview.widget.LinearLayoutManager;

import androidx.recyclerview.widget.RecyclerView;

import com.eddrix.project.evoting.R;

import com.eddrix.project.evoting.adapters.ElectionCandidatesAdpater;

import com.eddrix.project.evoting.design.Space;

import com.eddrix.project.evoting.models.ElectionCandidates;

import java.util.ArrayList;

import java.util.List;

import java.util.Objects;

public class CandidateActivity extends AppCompatActivity {

Toolbar toolbar;

ImageView dp\_pic;

@Override

protected void onCreate(@Nullable Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

Window window = this.getWindow();

if (Build.VERSION.SDK\_INT >= 23) {

window.clearFlags(WindowManager.LayoutParams.FLAG\_TRANSLUCENT\_STATUS);

window.addFlags(WindowManager.LayoutParams.FLAG\_DRAWS\_SYSTEM\_BAR\_BACKGROUNDS);

window.setStatusBarColor(this.getResources().getColor(R.color.black));

window.getDecorView().setSystemUiVisibility(View.SYSTEM\_UI\_FLAG\_LIGHT\_STATUS\_BAR);

}else if(Build.VERSION.SDK\_INT<22){

window.clearFlags(WindowManager.LayoutParams.FLAG\_TRANSLUCENT\_STATUS);

window.addFlags(WindowManager.LayoutParams.FLAG\_DRAWS\_SYSTEM\_BAR\_BACKGROUNDS);

window.setStatusBarColor(this.getResources().getColor(R.color.black));

}

setContentView(R.layout.activity\_candidate\_vote);

toolbar=findViewById(R.id.toolbar);

toolbar.setTitle("Janasena Party");

toolbar.setTitleTextColor(getResources().getColor(R.color.colorAccent));

setSupportActionBar(toolbar);

Objects.requireNonNull(getSupportActionBar()).setDisplayHomeAsUpEnabled(true);

toolbar.setNavigationIcon(R.drawable.back);

toolbar.setNavigationOnClickListener(view -> finish());

dp\_pic=findViewById(R.id.imageView2);

dp\_pic.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

viewDP();

}

});

}

private void viewDP() {

Fade fade = new Fade();

View decor = getWindow().getDecorView();

//below 3 lines of code is to exclude action bar,title bar and navigation bar from animation.

fade.excludeTarget(decor.findViewById(R.id.action\_bar\_container), true);

fade.excludeTarget(android.R.id.statusBarBackground, true);

fade.excludeTarget(android.R.id.navigationBarBackground, true);

getWindow().setEnterTransition(fade);

//we are also setting fade animation for exit transition.

getWindow().setExitTransition(fade);

ActivityOptionsCompat activityOptionsCompat =

ActivityOptionsCompat.makeSceneTransitionAnimation(this,dp\_pic,"profile");

Intent in = new Intent(this,CandidateDP\_Screen.class);

startActivity(in,activityOptionsCompat.toBundle());

}

}

**ElectedCandidate.java**

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;  
package com.eddrix.project.evoting.activities;

import android.os.Build;

import android.os.Bundle;

import android.view.View;

import android.view.Window;

import android.view.WindowManager;

import androidx.annotation.Nullable;

import androidx.appcompat.app.AppCompatActivity;

import androidx.appcompat.widget.Toolbar;

import androidx.recyclerview.widget.LinearLayoutManager;

import androidx.recyclerview.widget.RecyclerView;

import com.eddrix.project.evoting.R;

import com.eddrix.project.evoting.adapters.ElectionCandidatesAdpater;

import com.eddrix.project.evoting.design.Space;

import com.eddrix.project.evoting.models.ElectionCandidates;

import java.util.ArrayList;

import java.util.List;

import java.util.Objects;

public class ElectedCandidatesActivity extends AppCompatActivity {

Toolbar toolbar;

RecyclerView recyclerView;

@Override

protected void onCreate(@Nullable Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

Window window = this.getWindow();

if (Build.VERSION.SDK\_INT >= 23) {

window.clearFlags(WindowManager.LayoutParams.FLAG\_TRANSLUCENT\_STATUS);

window.addFlags(WindowManager.LayoutParams.FLAG\_DRAWS\_SYSTEM\_BAR\_BACKGROUNDS);

window.setStatusBarColor(this.getResources().getColor(R.color.black));

window.getDecorView().setSystemUiVisibility(View.SYSTEM\_UI\_FLAG\_LIGHT\_STATUS\_BAR);

}else if(Build.VERSION.SDK\_INT<22){

window.clearFlags(WindowManager.LayoutParams.FLAG\_TRANSLUCENT\_STATUS);

window.addFlags(WindowManager.LayoutParams.FLAG\_DRAWS\_SYSTEM\_BAR\_BACKGROUNDS);

window.setStatusBarColor(this.getResources().getColor(R.color.black));

}

setContentView(R.layout.activity\_elected\_candidates);

toolbar=findViewById(R.id.toolbar);

recyclerView=findViewById(R.id.RecyclerView);

toolbar.setTitle("Select Party");

toolbar.setTitleTextColor(getResources().getColor(R.color.colorAccent));

setSupportActionBar(toolbar);

Objects.requireNonNull(getSupportActionBar()).setDisplayHomeAsUpEnabled(true);

toolbar.setNavigationIcon(R.drawable.back);

toolbar.setNavigationOnClickListener(view -> finish());

LinearLayoutManager linearLayoutManager=new LinearLayoutManager(this);

linearLayoutManager.setOrientation(LinearLayoutManager.VERTICAL);

recyclerView.setLayoutManager(linearLayoutManager);

List<ElectionCandidates> homeProjectsPostModelList=new ArrayList<>();

homeProjectsPostModelList.add(new ElectionCandidates(1,"Janasena Party","Pavan Kalyan",R.drawable.janasena,"some description here we shall put"));

homeProjectsPostModelList.add(new ElectionCandidates(2,"BJP Party","Pavan Kalyan",R.drawable.bjp,"some description here we shall put"));

homeProjectsPostModelList.add(new ElectionCandidates(3,"Congress Party","Pavan Kalyan",R.drawable.congress,"some description here we shall put"));

homeProjectsPostModelList.add(new ElectionCandidates(4,"Telugu Desam Party","Pavan Kalyan",R.drawable.telugu,"some description here we shall put"));

homeProjectsPostModelList.add(new ElectionCandidates(5,"CPI Party","Pavan Kalyan",R.drawable.cpi,"some description here we shall put"));

homeProjectsPostModelList.add(new ElectionCandidates(6,"Janasena Party","Pavan Kalyan",R.drawable.janasena,"some description here we shall put"));

ElectionCandidatesAdpater projectRecyclerView=new

ElectionCandidatesAdpater(homeProjectsPostModelList,this);

recyclerView.addItemDecoration(new Space(1,20,true,0));

recyclerView.setAdapter(projectRecyclerView);

}

}

3.2 XML CODE

**Login.xml**

<?xml version="1.0" encoding="utf-8"?>

<androidx.constraintlayout.widget.ConstraintLayout

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

android:layout\_width="match\_parent"

android:background="@color/black"

android:layout\_height="match\_parent"

xmlns:app="http://schemas.android.com/apk/res-auto">

<androidx.appcompat.widget.Toolbar

xmlns:local="http://schemas.android.com/apk/res-auto"

android:id="@+id/toolbar"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:elevation="@dimen/\_5sdp"

android:minHeight="?attr/actionBarSize"

android:background="@color/black"

local:theme="@style/ThemeOverlay.AppCompat.Dark.ActionBar"

local:popupTheme="@style/ThemeOverlay.AppCompat.Light"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent" />

<com.google.android.material.tabs.TabLayout

android:elevation="@dimen/\_5sdp"

android:id="@+id/tab\_layout"

android:layout\_width="0dp"

android:background="@color/black"

app:tabTextColor="@color/colorAccent"

app:tabIndicatorColor="#FF9800"

app:tabIndicatorFullWidth="false"

app:tabSelectedTextColor="#FF9800"

app:tabRippleColor="#FF9800"

android:layout\_height="wrap\_content"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@+id/toolbar" />

<androidx.viewpager2.widget.ViewPager2

android:id="@+id/jos\_pager"

android:layout\_width="0dp"

android:layout\_height="0dp"

android:layout\_below="@+id/toolbar"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@+id/tab\_layout" />

</androidx.constraintlayout.widget.ConstraintLayout>

**Registration.xml**

<?xml version="1.0" encoding="utf-8"?>

<androidx.constraintlayout.widget.ConstraintLayout xmlns:app="http://schemas.android.com/apk/res-auto"

xmlns:tools="http://schemas.android.com/tools"

android:layout\_width="match\_parent"

android:background="@color/colorAccent"

android:layout\_height="match\_parent"

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

<androidx.appcompat.widget.Toolbar

xmlns:local="http://schemas.android.com/apk/res-auto"

android:id="@+id/toolbar"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:elevation="@dimen/\_5sdp"

android:minHeight="?attr/actionBarSize"

android:background="@color/black"

local:theme="@style/ThemeOverlay.AppCompat.Dark.ActionBar"

local:popupTheme="@style/ThemeOverlay.AppCompat.Light"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent" />

<ScrollView

android:layout\_width="0dp"

android:layout\_height="0dp"

app:layout\_constraintBottom\_toTopOf="@+id/reg\_Proceed"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@+id/toolbar">

<androidx.constraintlayout.widget.ConstraintLayout

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content">

<androidx.cardview.widget.CardView

android:id="@+id/mimg"

android:layout\_width="@dimen/\_100sdp"

android:layout\_height="@dimen/\_100sdp"

android:layout\_margin="@dimen/\_10sdp"

android:elevation="@dimen/\_15sdp"

app:cardCornerRadius="@dimen/\_50sdp"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent">

<ImageView

android:id="@+id/pic"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:scaleType="fitXY"

android:src="@drawable/pavan\_janasena" />

</androidx.cardview.widget.CardView>

<com.google.android.material.textfield.TextInputLayout

android:id="@+id/reg\_fn"

style="@style/Widget.MaterialComponents.TextInputLayout.OutlinedBox"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_margin="@dimen/\_10sdp"

android:layout\_marginStart="16dp"

android:layout\_marginEnd="16dp"

app:boxCornerRadiusBottomEnd="@dimen/\_10sdp"

app:boxCornerRadiusBottomStart="@dimen/\_10sdp"

app:boxCornerRadiusTopEnd="@dimen/\_10sdp"

app:boxCornerRadiusTopStart="@dimen/\_10sdp"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="@id/mimg"

app:layout\_constraintTop\_toBottomOf="@id/mimg">

<com.google.android.material.textfield.TextInputEditText

android:id="@+id/fname"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:hint="First Name"

android:imeOptions="actionNext"

android:inputType="textPersonName"

android:textColorHint="@color/colorAccent"

android:textAlignment="center"

android:textSize="@dimen/\_15sdp" />

</com.google.android.material.textfield.TextInputLayout>

<com.google.android.material.textfield.TextInputLayout

android:id="@+id/reg\_ln"

style="@style/Widget.MaterialComponents.TextInputLayout.OutlinedBox"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_margin="@dimen/\_10sdp"

android:layout\_marginStart="16dp"

android:layout\_marginEnd="16dp"

app:boxCornerRadiusBottomEnd="@dimen/\_10sdp"

app:boxCornerRadiusBottomStart="@dimen/\_10sdp"

app:boxCornerRadiusTopEnd="@dimen/\_10sdp"

app:boxCornerRadiusTopStart="@dimen/\_10sdp"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="@id/reg\_fn"

app:layout\_constraintTop\_toBottomOf="@id/reg\_fn">

<com.google.android.material.textfield.TextInputEditText

android:id="@+id/lname"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:hint="Last Name"

android:textColorHint="@color/colorAccent"

android:imeOptions="actionNext"

android:inputType="textPersonName"

android:textAlignment="center"

android:textSize="@dimen/\_15sdp" />

</com.google.android.material.textfield.TextInputLayout>

<TextView

android:id="@+id/dobt"

android:layout\_width="0dp"

android:layout\_height="wrap\_content"

android:layout\_margin="@dimen/\_10sdp"

android:padding="@dimen/\_5sdp"

android:text="Set Date Of Birth"

android:textColor="@color/black"

android:textSize="@dimen/\_15sdp"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@id/reg\_ln" />

<DatePicker

android:id="@+id/datePicker1"

android:layout\_width="0dp"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="@dimen/\_10sdp"

android:layout\_marginRight="@dimen/\_10sdp"

android:background="@color/colorAccent"

android:calendarViewShown="false"

android:datePickerMode="spinner"

android:maxDate=""

android:minDate=""

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@id/dobt" />

<com.google.android.material.textfield.TextInputLayout

android:id="@+id/aadhar"

style="@style/Widget.MaterialComponents.TextInputLayout.OutlinedBox"

android:layout\_width="0dp"

android:layout\_height="wrap\_content"

android:layout\_margin="@dimen/\_10sdp"

android:layout\_marginStart="16dp"

android:layout\_marginTop="4dp"

android:layout\_marginEnd="16dp"

app:boxCornerRadiusBottomEnd="@dimen/\_10sdp"

app:boxCornerRadiusBottomStart="@dimen/\_10sdp"

app:boxCornerRadiusTopEnd="@dimen/\_10sdp"

app:boxCornerRadiusTopStart="@dimen/\_10sdp"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@+id/datePicker1">

<com.google.android.material.textfield.TextInputEditText

android:id="@+id/aadhar\_no"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:hint="Aadhar Number"

android:imeOptions="actionNext"

android:textColorHint="@color/colorAccent"

android:inputType="textPersonName"

android:textAlignment="center"

android:textSize="@dimen/\_15sdp" />

</com.google.android.material.textfield.TextInputLayout>

<com.google.android.material.textfield.TextInputLayout

android:id="@+id/phone"

style="@style/Widget.MaterialComponents.TextInputLayout.OutlinedBox"

android:layout\_width="0dp"

android:layout\_height="wrap\_content"

android:layout\_margin="@dimen/\_10sdp"

android:layout\_marginStart="16dp"

android:layout\_marginTop="4dp"

android:layout\_marginEnd="16dp"

app:boxCornerRadiusBottomEnd="@dimen/\_10sdp"

app:boxCornerRadiusBottomStart="@dimen/\_10sdp"

app:boxCornerRadiusTopEnd="@dimen/\_10sdp"

app:boxCornerRadiusTopStart="@dimen/\_10sdp"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@+id/aadhar">

<com.google.android.material.textfield.TextInputEditText

android:id="@+id/phone\_no"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:hint="Phone Number"

android:textColorHint="@color/colorAccent"

android:imeOptions="actionNext"

android:inputType="textPersonName"

android:textAlignment="center"

android:textSize="@dimen/\_15sdp" />

</com.google.android.material.textfield.TextInputLayout>

<com.google.android.material.textfield.TextInputLayout

android:id="@+id/password"

style="@style/Widget.MaterialComponents.TextInputLayout.OutlinedBox"

android:layout\_width="0dp"

android:layout\_height="wrap\_content"

android:layout\_margin="@dimen/\_10sdp"

android:layout\_marginStart="16dp"

android:layout\_marginTop="4dp"

app:passwordToggleEnabled="true"

android:layout\_marginEnd="16dp"

app:boxCornerRadiusBottomEnd="@dimen/\_10sdp"

app:boxCornerRadiusBottomStart="@dimen/\_10sdp"

app:boxCornerRadiusTopEnd="@dimen/\_10sdp"

app:boxCornerRadiusTopStart="@dimen/\_10sdp"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@+id/phone">

<com.google.android.material.textfield.TextInputEditText

android:id="@+id/pwd"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:hint="Password"

android:textColorHint="@color/colorAccent"

android:imeOptions="actionNext"

android:inputType="textPersonName"

android:textAlignment="center"

android:textSize="@dimen/\_15sdp" />

</com.google.android.material.textfield.TextInputLayout>

<com.google.android.material.textfield.TextInputLayout

android:id="@+id/address"

style="@style/Widget.MaterialComponents.TextInputLayout.OutlinedBox"

android:layout\_width="0dp"

android:layout\_height="wrap\_content"

android:layout\_margin="@dimen/\_10sdp"

android:layout\_marginStart="16dp"

android:layout\_marginTop="4dp"

android:layout\_marginEnd="16dp"

android:layout\_marginBottom="16dp"

app:boxCornerRadiusBottomEnd="@dimen/\_10sdp"

app:boxCornerRadiusBottomStart="@dimen/\_10sdp"

app:boxCornerRadiusTopEnd="@dimen/\_10sdp"

app:boxCornerRadiusTopStart="@dimen/\_10sdp"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@+id/password">

<com.google.android.material.textfield.TextInputEditText

android:id="@+id/address\_details"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:hint="Address"

android:textColorHint="@color/colorAccent"

android:imeOptions="actionNext"

android:inputType="textPersonName"

android:textAlignment="center"

android:textSize="@dimen/\_15sdp" />

</com.google.android.material.textfield.TextInputLayout>

<androidx.cardview.widget.CardView

android:id="@+id/camera\_card"

android:layout\_width="@dimen/\_30sdp"

android:layout\_height="@dimen/\_30sdp"

app:cardCornerRadius="@dimen/\_15sdp"

app:layout\_constraintBottom\_toBottomOf="@+id/mimg"

app:layout\_constraintEnd\_toEndOf="@+id/mimg">

<ImageView

android:id="@+id/imageView"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:scaleType="center"

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

</androidx.cardview.widget.CardView>

</androidx.constraintlayout.widget.ConstraintLayout>

</ScrollView>

<Button

android:id="@+id/reg\_Proceed"

android:layout\_width="0dp"

android:layout\_height="wrap\_content"

android:background="#000000"

android:elevation="@dimen/\_10sdp"

android:padding="@dimen/\_5sdp"

android:text="Register"

android:textAllCaps="false"

android:textSize="@dimen/\_15sdp"

android:visibility="visible"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent" />

</androidx.constraintlayout.widget.ConstraintLayout>  
  
</RelativeLayout>

**ElectionList.xml**

<?xml version="1.0" encoding="utf-8"?>

<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:app="http://schemas.android.com/apk/res-auto"

xmlns:tools="http://schemas.android.com/tools"

android:id="@+id/cl"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:elevation="@dimen/\_10sdp">

<androidx.cardview.widget.CardView

android:background="@color/black"

app:cardCornerRadius="@dimen/\_15sdp"

android:layout\_width="0dp"

android:layout\_height="wrap\_content"

android:elevation="@dimen/\_10sdp"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent">

<androidx.constraintlayout.widget.ConstraintLayout

android:padding="@dimen/\_5sdp"

android:layout\_width="match\_parent"

android:background="@color/black"

android:layout\_height="wrap\_content">

<TextView

android:textColor="#FF9800"

android:id="@+id/textView"

android:layout\_width="0dp"

android:layout\_height="wrap\_content"

android:layout\_marginStart="8dp"

android:layout\_marginTop="8dp"

android:layout\_marginEnd="16dp"

android:ellipsize="end"

android:singleLine="true"

android:text="Panchayat Elections"

android:textSize="20sp"

android:textStyle="bold"

app:layout\_constraintEnd\_toStartOf="@+id/imageView"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent" />

<TextView

android:textColor="#EDEDED"

android:id="@+id/textView2"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginStart="8dp"

android:layout\_marginTop="8dp"

android:textSize="15sp"

android:text="Start Date : 12/10/2022"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@+id/textView" />

<TextView

android:textColor="#EDEDED"

android:id="@+id/textView3"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginStart="8dp"

android:textSize="15sp"

android:layout\_marginTop="8dp"

android:layout\_marginBottom="8dp"

android:text="End Date : 14/10/2022"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@+id/textView2" />

<ImageView

android:id="@+id/imageView"

android:scaleType="fitXY"

android:layout\_width="@dimen/\_15sdp"

android:layout\_height="@dimen/\_15sdp"

android:layout\_marginTop="8dp"

android:layout\_marginEnd="8dp"

android:src="@drawable/active\_election"

app:layout\_constraintBottom\_toBottomOf="@+id/textView"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

/>

</androidx.constraintlayout.widget.ConstraintLayout>

</androidx.cardview.widget.CardView>

</androidx.constraintlayout.widget.ConstraintLayout>

**CHAPTER 4**

**SYSTEM REQUIREMENT SPECIFICATION**

**4.1 Software Requirements**

* + - Operating System: Windows 7/8/10 (32-bit or 64-bit)
    - Android Studio
    - Android SDK
    - Java JDK
  1. **Hardware Requirements**
     + Minimum 4 GB RAM (8GB recommended).
     + 7GB free disk space
     + USB 2.0 or high

**CHAPTER 5**

**SNAPSHOTS AND RESULTS**

* 1. **Login page**

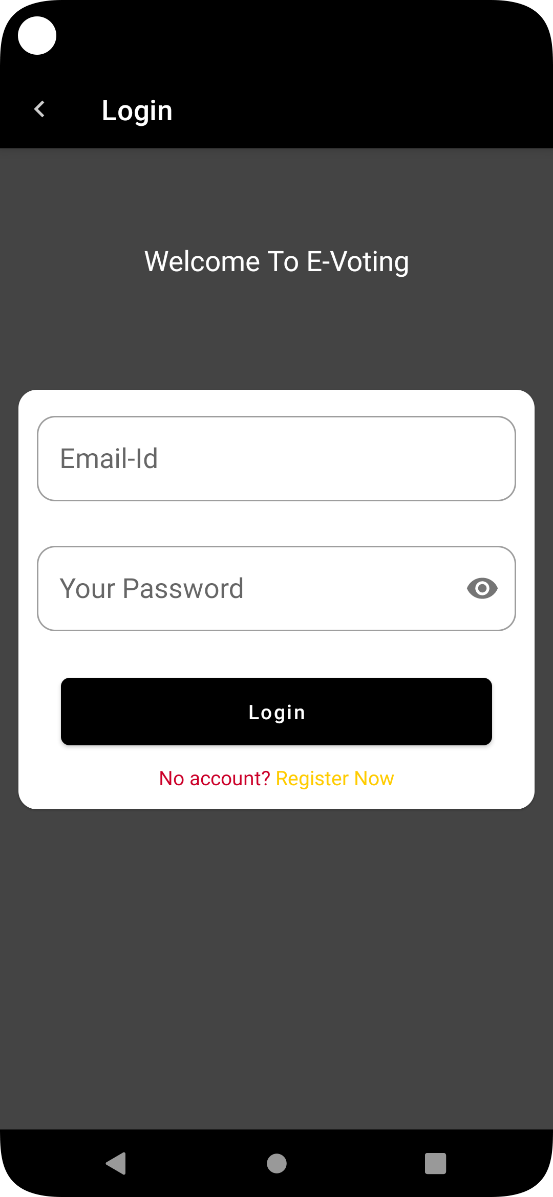
****

Fig 5.1: Login page

* 1. **RegisterPage**

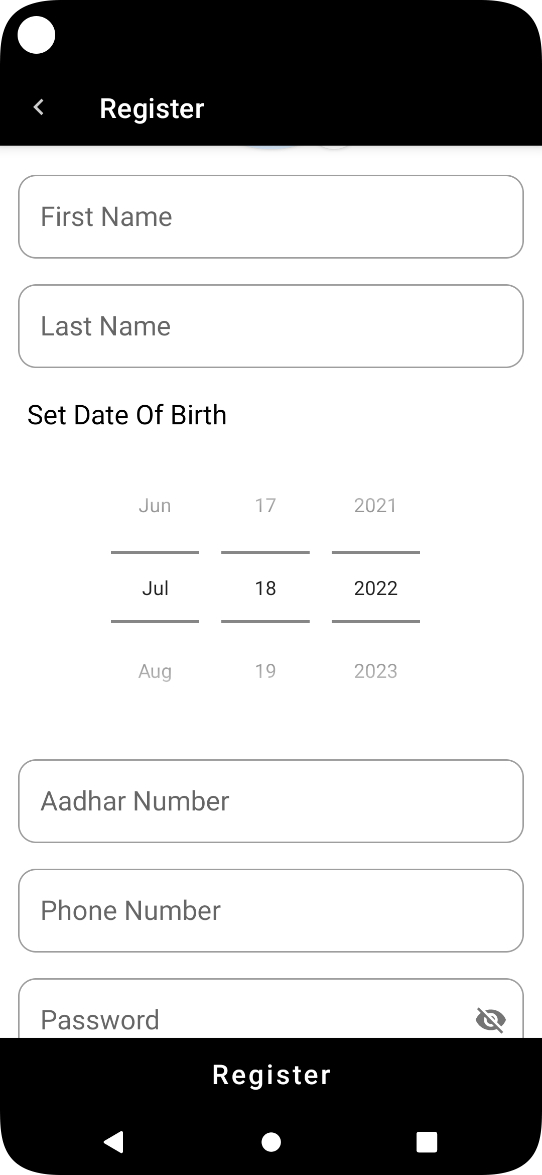
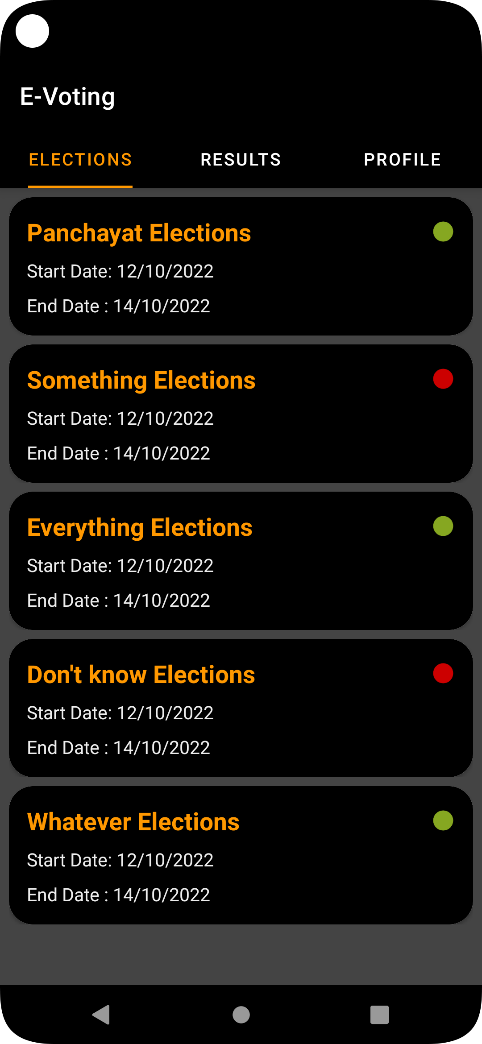


Fig 5.2: Register page

* 1. **Election List Page**

Fig 5.3: Add Student page

* 1. **Result page**



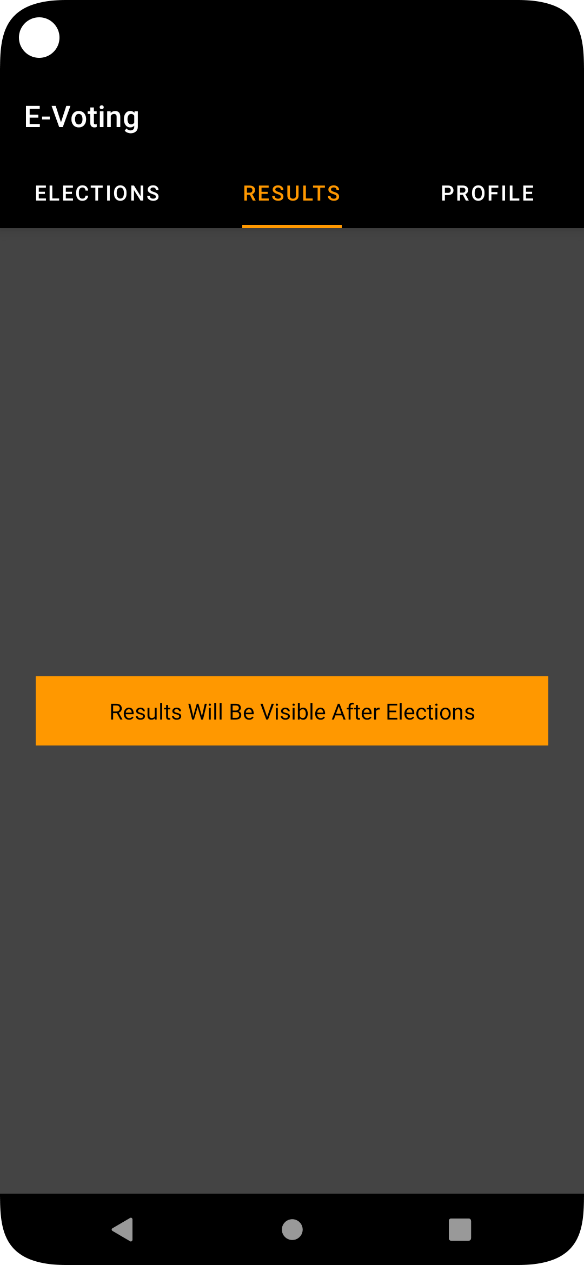


Fig 5.1: Result page

## Conclusion

This Online Voting system will manage the Voters information by which voter can login and use his voting rights. The system will incorporate all features of Voting system. It provides the tools for maintaining voters vote to every party and it count total no. of votes of every party. There is a DATABASE which is maintained by the ELECTION COMMISION OF INDIA in which all the names of voter with complete information is stored.In this user who is above 18 years register his/her information on the database and when he/she want to vote he/she has to login by his id and password and can vote to any party only single time. Voting detail store in database and the result is displayed by calculation. By online voting system percentage of voting is increases. It decreases the cost and time of voting process. It is very easy to use and It is vary less time consuming. It is very easy to debug.

# References

1. L. Foresti, C. S. Regazzoni, and R. Visvanathan, Scanning the issue/technolo- gySpecial issue on video communications, processing and understanding for third generation surveillance systems, Proc. IEEE, vol. 89, no. 10, pp. 13551367, Oct. 2016.
2. S.Misra,M. Reisslein, and G. Xue, A survey ofmultimedia streaming in wireless sensor networks, IEEE Communications Surveys and Tutorials, Fourth Quarter, vol. 10, no. 4, pp. 1839, 2015.
3. [Skinner,c.75 of young adults want to vote by SMS in the](http://www.pcadvisor.co.uk/news/index.cfm?newsid=3213010) election.89 ex- pect text voting to be introduced soon.Pcadvisor.February 18, 2010. http:// www.pcadvisor.co.uk/news/index.cfm?[newsid=3213010 Accessed in Febru-](https://en.wikipedia.org/wiki/Android_(operating_system)) ary, 2010

[4] About Android operating system https://en.wikipedia.org/wiki/Android\_ (operating\_system

**REFERENCES**

1] “Overview Guides Reference Samples Libraries Support Go to console”

2] Video link: https:

[https://youtu.be/cVA-9JHwbFY](https://youtu.be/cVA-9JHwbFY%203)

[3](https://youtu.be/cVA-9JHwbFY%203)] Video link: [https://youtu.be/KzQiRABVARk](https://www.youtube.com/watch?v=KzQiRABVARk&t=0s)

4] YouTube, [https://www.youtube.com](https://www.youtube.com/)