**Mobile Application Development**

**Vehicle Registration Form**

**activity\_main.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:layout\_width="match\_parent"

android:layout\_height="match\_parent"

tools:context=".MainActivity"

android:background="@color/teslared"

>

<TextView

android:id="@+id/textView2"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:gravity="center"

android:text="Vehicle Registration Form"

android:textColor="@color/white"

android:textSize="25sp"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintLeft\_toLeftOf="parent"

app:layout\_constraintRight\_toRightOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.054" />

<EditText

android:id="@+id/editTextTextPersonName"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:ems="10"

android:hint="Name"

android:textColorHint="@color/white"

android:textColor="@color/teslasilver"

android:inputType="textPersonName"

android:text=""

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.497"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.341" />

<EditText

android:id="@+id/editTextTextPersonName2"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:ems="10"

android:hint="Email"

android:textColorHint="@color/white"

android:inputType="textPersonName"

android:textColor="@color/teslasilver"

android:text=""

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.497"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.444" />

<EditText

android:id="@+id/editTextTextPersonName3"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:ems="10"

android:hint="Vehicle Brand"

android:textColorHint="@color/white"

android:inputType="textPersonName"

android:textColor="@color/teslasilver"

android:text=""

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.497"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.549" />

<EditText

android:id="@+id/editTextTextPersonName4"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:ems="10"

android:hint="Vehicle Model"

android:textColorHint="@color/white"

android:inputType="textPersonName"

android:textColor="@color/teslasilver"

android:text=""

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.497"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.651" />

<Button

android:id="@+id/button"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Submit"

android:backgroundTint="#F2C7CA"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.498"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.762" />

<ImageView

android:id="@+id/imageView"

android:layout\_width="151dp"

android:layout\_height="115dp"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.139"

app:srcCompat="@drawable/img" />

</androidx.constraintlayout.widget.ConstraintLayout>

**MainActivity.java:**

package com.example.vehicleregistration;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.*activity\_main*);

Button btn = (Button) findViewById(R.id.*button*);

EditText nametxt = (EditText) findViewById(R.id.*editTextTextPersonName*);

EditText emailtxt = (EditText) findViewById(R.id.*editTextTextPersonName2*);

EditText brandtxt = (EditText) findViewById(R.id.*editTextTextPersonName3*);

EditText modeltxt = (EditText) findViewById(R.id.*editTextTextPersonName4*);

btn.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

String name = nametxt.getText().toString();

String email = emailtxt.getText().toString();

String brand = brandtxt.getText().toString();

String model = modeltxt.getText().toString();

String str = "Name:"+name+"\nEmail: "+email+"\nBrand: "+brand+"\nModel: "+model+"\nCongratulations on your new vehicle!";

Toast.*makeText*(getApplicationContext(), str, Toast.*LENGTH\_LONG*).show();

}

});

}

}

**Output:**

