**Assignment-7**

**Aim: Perform Registration form using data picker.**

**.xml file code:**

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

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

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

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

android:padding="16dp"

android:orientation="vertical"

tools:context=".Datepicker">

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Registrations form"

android:layout\_marginLeft="85dp"

android:layout\_marginTop="15dp"

android:gravity="center"

android:textColor="#6A0DAD"

android:textStyle="bold"

android:textSize="22sp" />

<!-- Name Input -->

<EditText

android:id="@+id/et\_name"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:hint="Enter Name"

android:inputType="textPersonName"

android:minHeight="48dp"

android:layout\_marginTop="20dp"/>

<!-- Email Input -->

<EditText

android:id="@+id/et\_email"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:hint="Enter Email"

android:inputType="textEmailAddress"

android:minHeight="48dp"

android:layout\_marginTop="1dp"/>

<!-- Password Input -->

<EditText

android:id="@+id/et\_password"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:hint="Enter Password"

android:inputType="textPassword"

android:minHeight="48dp"

android:layout\_marginTop="1dp"/>

<!-- Gender Selection -->

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Gender :"

android:textStyle="bold"

android:paddingTop="10dp" />

<RadioGroup

android:id="@+id/rg\_gender"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:orientation="horizontal">

<RadioButton

android:id="@+id/rb\_male"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Male"/>

<RadioButton

android:id="@+id/rb\_female"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Female"/>

</RadioGroup>

<!-- Hobbies Selection -->

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Hobbies :"

android:textStyle="bold"

android:paddingTop="10dp"/>

<CheckBox

android:id="@+id/cb\_reading"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Reading"/>

<CheckBox

android:id="@+id/cb\_traveling"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Traveling"/>

<CheckBox

android:id="@+id/cb\_gaming"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Gaming"/>

<!-- Date Picker -->

<TextView

android:id="@+id/txt\_selected\_date"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Date of Birth"

android:textStyle="bold"

android:paddingTop="10dp"/>

<Button

android:id="@+id/btn\_pick\_date"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Select Date"

android:layout\_marginTop="5dp" />

<!-- Time Picker -->

<TextView

android:id="@+id/txt\_selected\_time"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Select time"

android:textStyle="bold"

android:paddingTop="8dp"/>

<Button

android:id="@+id/btn\_pick\_time"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Select Times"

android:layout\_marginTop="5dp" />

<!-- Submit Button -->

<Button

android:id="@+id/btn\_submit"

android:layout\_width="match\_parent"

android:layout\_height="48dp"

android:layout\_marginTop="15dp"

android:paddingTop="10dp"

android:paddingBottom="10dp"

android:text="Submit" />

</LinearLayout>

**.java file:**

package com.example.myapplication;

import android.annotation.SuppressLint;

import android.app.DatePickerDialog;

import android.app.TimePickerDialog;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.DatePicker;

import android.widget.EditText;

import android.widget.TextView;

import android.widget.TimePicker;

import androidx.appcompat.app.AppCompatActivity;

import java.util.Calendar;

public class Datepicker extends AppCompatActivity {

private Button btnPickDate, btnPickTime;

private TextView selectedDate, selectedTime;

private EditText date; // EditText for selecting date

@SuppressLint("MissingInflatedId")

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_datepicker);

// Initialize Buttons and TextViews

btnPickDate = findViewById(R.id.btn\_pick\_date);

btnPickTime = findViewById(R.id.btn\_pick\_time);

selectedDate = findViewById(R.id.txt\_selected\_date);

selectedTime = findViewById(R.id.txt\_selected\_time);

// Set click listener on the buttons

btnPickDate.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

showDatePickerDialog(selectedDate);

}

});

btnPickTime.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

showTimePickerDialog(selectedTime);

}

});

}

private void showDatePickerDialog(final TextView textView) {

final Calendar c = Calendar.getInstance();

int mYear = c.get(Calendar.YEAR);

int mMonth = c.get(Calendar.MONTH);

int mDay = c.get(Calendar.DAY\_OF\_MONTH);

DatePickerDialog datePickerDialog = new DatePickerDialog(Datepicker.this,

new DatePickerDialog.OnDateSetListener() {

@Override

public void onDateSet(DatePicker view, int year, int monthOfYear, int dayOfMonth) {

textView.setText(dayOfMonth + "/" + (monthOfYear + 1) + "/" + year);

}

}, mYear, mMonth, mDay);

datePickerDialog.show();

}

private void showTimePickerDialog(final TextView textView) {

final Calendar c = Calendar.getInstance();

int hour = c.get(Calendar.HOUR\_OF\_DAY);

int minute = c.get(Calendar.MINUTE);

TimePickerDialog timePickerDialog = new TimePickerDialog(Datepicker.this,

new TimePickerDialog.OnTimeSetListener() {

@Override

public void onTimeSet(TimePicker view, int hourOfDay, int minute) {

textView.setText("Selected Time: " + hourOfDay + ":" + minute);

}

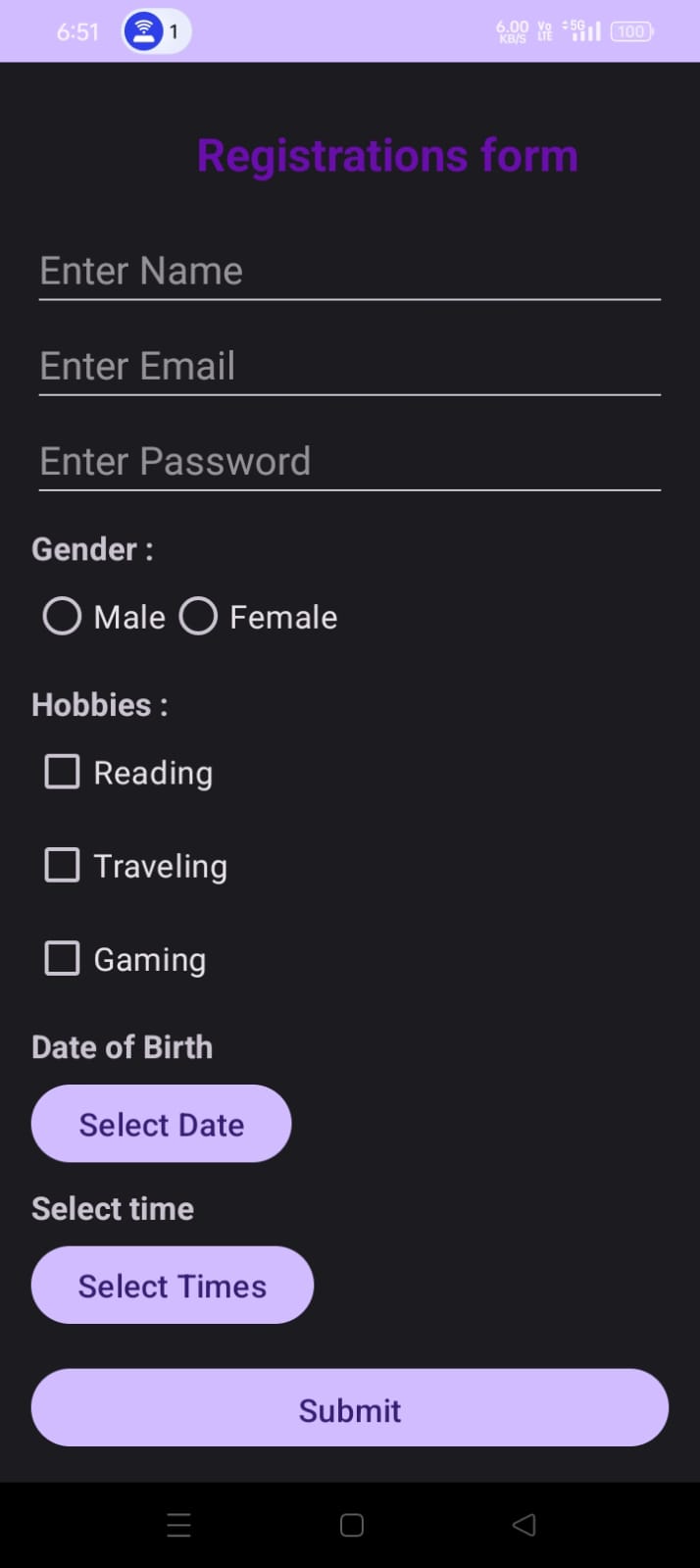
}, hour, minute, true);

timePickerDialog.show();

}

}

**OUTPUT:**

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