Leave Management System

DbHelper.java

```
package com.rohan.q1lms;
import android.database.sqlite.SQLiteDatabase;
import android.database.sqlite.SQLiteOpenHelper;
public class DbHelper extends SQLiteOpenHelper {
         super(context, DATABASE NAME, null, Version);
    public static final String TABLE_EMPLOYEES = "tblEmployees";
public static final String TABLE_LEAVES = "tblLeaves";
public static final String ID = "_id";
public static final String USERNAME = "username";
    public static final String PASSWORD = "password";
    public static final String EMP_ID = "id";
    public static final String LEAVE_TIME = "time";
              + USERNAME + " TEXT,"
+ PASSWORD + " TEXT )";
    @Override
    public void onCreate(SQLiteDatabase db) {
         db.execSQL(CREATE TBLEMPLOYEES);
         db.execSQL(CREATE TBLLEAVES);
    public void onUpgrade(SQLiteDatabase db, int oldVersion, int
newVersion) {
         db.execSQL("DROP TABLE IF EXISTS " + TABLE EMPLOYEES);
         db.execSQL("DROP TABLE IF EXISTS " + TABLE LEAVES);
         onCreate(db);
```

DbManager.java

```
import android.content.Context;
import android.database.sqlite.SQLiteDatabase;
import java.util.ArrayList;
public class DbManager {
    private DbHelper dbHelper;
    private SQLiteDatabase db;
       c.close();
       db.close();
    public long addEmployee(String username, String password) {
        cv.put(dbHelper.USERNAME, username);
        cv.put(dbHelper.PASSWORD, password);
        SQLiteDatabase db = dbHelper.getWritableDatabase();
        long isAdded = db.insert(dbHelper.TABLE EMPLOYEES, null, cv);
```

```
public long addLeaveRequest(int employeeId, String reason, String
    cv.put(dbHelper.EMP_ID, employeeId);
    SQLiteDatabase db = dbHelper.getWritableDatabase();
    long isApplied = db.insert(dbHelper.TABLE LEAVES, null, cv);
   db.close();
   return isApplied;
    SQLiteDatabase db = dbHelper.getReadableDatabase();
    Cursor c = db.query(dbHelper. TABLE LEAVES, null, null, null, null,
public List<String> getLeaveRequestsForEmployee(int employeeId) {
    SQLiteDatabase db = dbHelper.getReadableDatabase();
   Cursor c = db.query(DbHelper. TABLE LEAVES, null, dbHelper. EMP ID +
    List<String> leaveReqList = new ArrayList<>();
        String id = c.getString(0);
        String reason = c.getString(2);
        String date = c.getString(3);
        String time = c.getString(4);
        String status = c.getString(5);
        leaveReqList.add("Id: " + id + "\nReason: " + reason + "\nDate:
   c.close();
   db.close();
   return leaveReqList;
    SQLiteDatabase db = dbHelper.getWritableDatabase();
    int rowsAffected = db.update(dbHelper. TABLE LEAVES, cv, dbHelper.ID
    return rowsAffected > 0;
```

```
// Approve Leave
public boolean approveLeaveRequest(int leaveId) {
        SQLiteDatabase db = dbHelper.getWritableDatabase();
        ContentValues cv = new ContentValues();
        cv.put(dbHelper.LEAVE_STATUS, "Approved");
        int rowsAffected = db.update(dbHelper.TABLE_LEAVES, cv, dbHelper.ID
+ " = ?", new String[]{String.valueOf(leaveId)});
        return rowsAffected > 0;
}
```

activity_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
   android:layout width="match parent"
   android:layout height="match parent"
   <TextView
       android:textSize="30dp"
       android:textStyle="bold" />
       android:orientation="horizontal">
           android:layout_width="wrap_content"
           android:layout height="wrap content"
           android:id="@+id/btnLogin"
           android:layout width="wrap content"
           android:text="Login" />
   </LinearLayout>
```

MainActivity.java

```
package com.rohan.q1lms;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import androidx.activity.EdgeToEdge;
import androidx.core.graphics.Insets;
import androidx.core.view.ViewCompat;
import androidx.core.view.WindowInsetsCompat;
public class MainActivity extends AppCompatActivity {
    protected void onCreate(Bundle savedInstanceState) {
        EdgeToEdge.enable(this);
        setContentView(R.layout.activity main);
        ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main),
insets.getInsets(WindowInsetsCompat.Type.systemBars());
            v.setPadding(systemBars.left, systemBars.top, systemBars.right,
            return insets;
        SharedPreferences sharedPreferences =
getSharedPreferences("MySharedPref", MODE_PRIVATE);
        int id = sharedPreferences.getInt("id", 0);
        boolean isAdmin = sharedPreferences.getBoolean("isAdmin", false);
                startActivity(new Intent(getApplicationContext(),
                startActivity(new Intent(getApplicationContext(),
EmployeeDashboard.class));
        buttonClicks();
   protected void buttonClicks() {
            @Override
                startActivity(new Intent(getApplicationContext(),
```

activity_registration.xml

```
<?xml version="1.0" encoding="utf-8"?>
<InnearLayout 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:da="0+id/main"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    tools:context=".Registration">

    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_height="center"
        android:text="Registration"
        android:textSize="30dp" />

    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="20dp"
        android:layout_width="match_parent"
        android:layout_width="match_parent"
        android:layout_width="match_parent"
        android:layout_width="match_parent"
        android:layout_width="match_parent"
        android:layout_width="match_parent"
        android:layout_width="match_parent"
        android:layout_width="match_parent"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="20dp"
        android:text="Password:"
        android:textSize="20dp" />
```

Registration.java

```
package com.rohan.q1lms;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;
import androidx.activity.EdgeToEdge;
import androidx.appcompat.app.AppCompatActivity;
public class Registration extends AppCompatActivity {
    protected void onCreate(Bundle savedInstanceState) {
        EdgeToEdge.enable(this);
        setContentView(R.layout.activity registration);
        ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main),
            Insets systemBars =
insets.getInsets(WindowInsetsCompat.Type.systemBars());
            v.setPadding(systemBars.left, systemBars.top, systemBars.right,
        db = new DbManager(this);
        controlInitialization();
        buttonClicks();
```

```
String username = txtUsername.getText().toString();
                String password = txtPassword.getText().toString();
                if (username.isEmpty() || password.isEmpty()) {
                        Toast.makeText(Registration.this, "Username already
                        long result = db.addEmployee(username, password);
                            startActivity(new
                            Toast.makeText(Registration.this, "Registration
failed", Toast.LENGTH SHORT).show();
        txtUsername = findViewById(R.id.txtUsername);
        txtPassword = findViewById(R.id.txtPassword);
```

activity_login.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/main"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    tools:context=".Login">

    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Login"
        android:textAlignment="center"
        android:textSize="30dp" />
```

```
<TextView
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginTop="20dp"
    android:text="User Name:"
    android:textsize="20dp" />

<EditText
    android:id="@+id/txtUsername"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="20dp"
    android:layout_marginTop="20dp"
    android:text="Fassword:"
    android:layout_height="wrap_content"
    android:layout_width="match_parent"
    android:layout_width="match_parent"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_height="wrap_content"
    android:layout_height="wrap_content"
    android:layout_height="wrap_content"
    android:layout_width="marap_content"
    android:layout_height="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="20dp"
    android:layout_marginTop="20dp"
    android:text="Login" />

</LinearLayout>
```

Login.java

```
package com.rohan.q1lms;
import android.content.Intent;
import android.content.SharedPreferences;
import android.database.Cursor;
import android.database.sqlite.SQLiteDatabase;
import android.database.sqlite.SQLiteOpenHelper;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;

import androidx.activity.EdgeToEdge;
import androidx.activity.EngeToEdge;
import androidx.core.graphics.Insets;
import androidx.core.view.WiewCompat;
import androidx.core.view.WiewCompat;
import androidx.core.view.WindowInsetsCompat;
```

```
DbManager db;
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        EdgeToEdge.enable(this);
        setContentView(R.layout.activity login);
        ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main),
            Insets systemBars =
insets.getInsets(WindowInsetsCompat.Type.systemBars());
            v.setPadding(systemBars.left, systemBars.top, systemBars.right,
systemBars.bottom);
       db = new DbManager(this);
       controlInitialization();
                String username = txtUsername.getText().toString();
                String password = txtPassword.getText().toString();
                if (!username.isEmpty() || !password.isEmpty()) {
                        if (username.equals("admin") &&
password.equals("12345")) {
                            SharedPreferences sharedPreferences =
getSharedPreferences("MySharedPref", MODE_PRIVATE);
                            sharedPreferences.edit().putBoolean("isAdmin",
true).apply();
                            startActivity(new
Intent(getApplicationContext(), AdminDashboard.class));
                            startActivity(new
Intent(getApplicationContext(), EmployeeDashboard.class));
                        Toast.makeText(Login.this, "Invalid username or
fields", Toast.LENGTH SHORT).show();
    private boolean authenticateUser(String username, String password) {
        DbHelper dbHelper = new DbHelper(this);
        SQLiteDatabase database = dbHelper.getWritableDatabase();
```

```
Cursor c = database.query(dbHelper.TABLE_EMPLOYEES, new
String[](DbHelper.ID}, dbHelper.USERNAME + " = ? AND " + dbHelper.PASSWORD
+ " = ?", new String[] {username, password}, null, null, null);

boolean isAuthenticated = (c.getCount() > 0);
if (isAuthenticated) {
        c.moveToFirst();
        int id = c.getInt(0);
        getSharedPreferences("MySharedPref",

MODE_PRIVATE).edit().putInt("id", id).apply();
}

c.close();
database.close();

return isAuthenticated;
}

protected void controlInitialization() {
    txtUsername = findViewById(R.id.txtUsername);
    txtPassword = findViewById(R.id.txtPassword);
    btnLogin = findViewById(R.id.btnLogin);
}
```

activity_employee_dashboard.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="0+id/main"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    tools:context=".EmployeeDashboard">

    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_height="wrap_content"
        android:textAlignment="center"
        android:textSize="30dp" />

    <Button
        android:layout_width="wrap_content"
        android:layout_width="wrap_content"
        android:layout_marginTop="20dp"
        android:layout_marginTop="20dp"
        android:layout_width="wrap_content"
        android:layout_width="wrap_content"
        android:layout_width="wrap_content"
        android:layout_width="wrap_content"
        android:layout_width="wrap_content"
        android:layout_width="wrap_content"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="20dp"
        android:layout_marginTop="20dp"
```

```
android:text="Apply Leave"/>

<Button
    android:id="@+id/btnLogout"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="20dp"
    android:text="Logout"/>

</LinearLayout>
```

EmployeeDashboard.java

```
package com.rohan.gllms;
import android.widget.Button;
import androidx.activity.EdgeToEdge;
public class EmployeeDashboard extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        EdgeToEdge.enable(this);
        setContentView(R.layout.activity employee dashboard);
       ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main),
(v, insets) -> {
            Insets systemBars =
insets.getInsets(WindowInsetsCompat.Type.systemBars());
            v.setPadding(systemBars.left, systemBars.top, systemBars.right,
        controlInitialization();
        buttonClicks();
                getSharedPreferences("MySharedPref",
MODE PRIVATE).edit().clear().apply();
                startActivity(new Intent(getApplicationContext(),
MainActivity.class));
```

activity_apply_leave.xml

```
(?xml version="1.0" encoding="utf-8"?>
   android:layout width="match parent"
   android:layout height="match parent">
       xmlns:app="http://schemas.android.com/apk/res-auto"
       android:layout width="match parent"
       android:layout height="match parent"
       <TextView
           android:layout width="match parent"
           android:layout height="wrap content"
           android:textAlignment="center"
           android:textSize="30dp" />
       <TextView
           android:layout width="match parent"
           android:layout height="wrap content"
           android:text="Leave Reason:"
           android:textSize="20dp" />
       <EditText
           android:id="@+id/txtReason"
```

```
android:layout_width="match parent"
       <TextView
            android:layout_width="match_parent"
           android:layout_marginTop="20dp"
android:text="Leave Date:"
       <DatePicker
            android:layout_width="wrap_content"
           android:layout marginTop="24dp"
           android:datePickerMode="spinner" />
       <TextView
           android:layout width="match parent"
       <TimePicker
            android:layout width="wrap content"
            android:layout_height="wrap content"
           android:layout marginTop="24dp" />
           android:layout width="match parent"
           android:layout height="wrap content"
           android:layout marginTop="20dp"
   </LinearLayout>
</ScrollView>
```

ApplyLeave.java

```
package com.rohan.q1lms;
import android.content.Intent;
import android.content.SharedPreferences;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.DatePicker;
import android.widget.EditText;
import android.widget.TimePicker;
import android.widget.Toast;
import android.widget.Toast;
import androidx.activity.EdgeToEdge;
import androidx.appcompat.app.AppCompatActivity;
```

```
import androidx.core.view.WindowInsetsCompat;
public class ApplyLeave extends AppCompatActivity {
    EditText txtReason;
        super.onCreate(savedInstanceState);
        EdgeToEdge.enable(this);
        setContentView(R.layout.activity apply leave);
        ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main),
            Insets systemBars =
insets.getInsets(WindowInsetsCompat.Type.systemBars());
           v.setPadding(systemBars.left, systemBars.top, systemBars.right,
systemBars.bottom);
       db = new DbManager(this);
       buttonClicks();
                String reason = txtReason.getText().toString();
(dpDate.getMonth() + 1) + "/" + dpDate.getYear();
                if (reason.isEmpty()) {
for leave", Toast.LENGTH SHORT).show();
                    SharedPreferences sharedPreferences =
getSharedPreferences("MySharedPref", MODE PRIVATE);
                    int employeeId = sharedPreferences.getInt("id", 0);
                    long result = db.addLeaveRequest(employeeId, reason,
                        startActivity(new Intent(getApplicationContext(),
EmployeeDashboard.class));
                        Toast.makeText(ApplyLeave.this, "Failed to apply
leave", Toast.LENGTH SHORT).show();
```

```
}
}
});

protected void controlInitialization() {
   txtReason = findViewById(R.id.txtReason);
   dpDate = findViewById(R.id.dpDate);
   tpTime = findViewById(R.id.tpTime);
   btnApply = findViewById(R.id.btnApply);
}
```

activity_employee_leaves.xml

EmployeeLeaves.java

```
package com.rohan.qllms;
import android.content.SharedPreferences;
import android.os.Bundle;
import android.widget.ArrayAdapter;
import android.widget.ListView;
import android.widget.Toast;
import androidx.activity.EdgeToEdge;
import androidx.appcompat.app.AppCompatActivity;
import androidx.core.graphics.Insets;
import androidx.core.view.ViewCompat;
import androidx.core.view.WindowInsetsCompat;
import java.util.List;

public class EmployeeLeaves extends AppCompatActivity {
    ListView lvLeaveList;
    DbManager db;
```

```
@Override
        EdgeToEdge.enable(this);
        setContentView(R.layout.activity employee leaves);
        ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main),
insets.getInsets(WindowInsetsCompat.Type.systemBars());
            v.setPadding(systemBars.left, systemBars.top, systemBars.right,
systemBars.bottom);
       db = new DbManager(this);
       controlInitialization();
           displayLeaves();
        } catch (Exception e) {
requests"+e.getMessage(), Toast.LENGTH SHORT).show();
getSharedPreferences("MySharedPref", MODE PRIVATE);
        int employeeId = sharedPreferences.getInt("id", 0);
        if (employeeId != 0) {
            List<String> leaveRequests =
db.getLeaveRequestsForEmployee(employeeId);
            if (leaveRequests.isEmpty()) {
               ArrayAdapter<String> adapter = new ArrayAdapter<>(this,
android.R.layout.simple list item 1, leaveRequests);
               lvLeaveList.setAdapter(adapter);
```

activity_admin_dashboard.xml

AdminDashboard.java

```
package com.rohan.qllms;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import androidx.activity.EdgeToEdge;
import androidx.appcompat.app.AppCompatActivity;
import androidx.core.graphics.Insets;
import androidx.core.view.ViewCompat;
import androidx.core.view.WindowInsetsCompat;

public class AdminDashboard extends AppCompatActivity {

    Button btnLogout, btnShowLeaves;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        EdgeToEdge.enable(this);
        setContentView(R.layout.activity_admin_dashboard);
```

```
ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main),
            Insets systemBars =
insets.getInsets(WindowInsetsCompat.Type.systemBars());
            v.setPadding(systemBars.left, systemBars.top, systemBars.right,
systemBars.bottom);
       buttonClicks();
       btnShowLeaves.setOnClickListener(new View.OnClickListener() {
            @Override
               startActivity(new Intent(getApplicationContext(),
AdminLeaves.class));
        btnLogout.setOnClickListener(new View.OnClickListener() {
                getSharedPreferences("MySharedPref",
MODE PRIVATE).edit().clear().apply();
               startActivity(new Intent(getApplicationContext(),
MainActivity.class));
       btnLogout = findViewById(R.id.btnLogout);
        btnShowLeaves = findViewById(R.id.btnShowLeaves);
```

activity_admin_leaves.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/main"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".AdminLeaves">

    </listView
        android:layout_width="match_parent"
        android:layout_width="match_parent"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:divider="@android:color/darker_gray"
        android:dividerHeight="ldp"/>
</LinearLayout>
```

AdminLeaves.java

```
import android.content.Context;
import android.graphics.Color;
import android.os.Bundle;
import android.util.Log;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.AdapterView;
import android.widget.Button;
import android.widget.CursorAdapter;
import android.widget.ListView;
import android.widget.SimpleCursorAdapter;
import androidx.activity.EdgeToEdge;
import androidx.appcompat.app.AppCompatActivity;
import androidx.core.graphics.Insets;
import androidx.core.view.ViewCompat;
public class AdminLeaves extends AppCompatActivity {
    DbManager db;
    DbHelper dbHelper;
   protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        EdgeToEdge.enable(this);
        setContentView(R.layout.activity admin leaves);
        ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main),
            Insets systemBars =
insets.getInsets(WindowInsetsCompat.Type.systemBars());
            v.setPadding(systemBars.left, systemBars.top, systemBars.right,
systemBars.bottom);
       dbHelper = new DbHelper(this);
        displayLeaves();
        Cursor cursor = db.getAllLeaveRequests();
            LeaveCursorAdapter adapter = new LeaveCursorAdapter(this,
           adapter.notifyDataSetChanged();
            lvLeaves.setAdapter(adapter);
```

```
public class LeaveCursorAdapter extends CursorAdapter {
        public LeaveCursorAdapter(Context context, Cursor cursor, DbManager
dbManager) {
        @Override
parent) {
            LayoutInflater inflater = LayoutInflater.from(context);
            return inflater.inflate(R.layout.leave view, parent, false);
            TextView lblId = view.findViewById(R.id.lblId);
            TextView lblEmpId = view.findViewById(R.id.lblEmpId);
            TextView lblReason = view.findViewById(R.id.lblReason);
            Button btnReject = view.findViewById(R.id.btnReject);
            int empIdIndex = cursor.getColumnIndex("id");
            int statusIndex = cursor.getColumnIndex("status");
            String reason = cursor.getString(reasonIndex);
            String status = cursor.getString(statusIndex);
            String date = cursor.getString(dateIndex);
            String time = cursor.getString(timeIndex);
            lblId.setText(String.valueOf(id));
            lblEmpId.setText(String.valueOf(empId));
            lblReason.setText(reason);
            lblStatus.setText(status);
            lblDate.setText(date);
            lblTime.setText(time);
            int color = status.equals("Pending") ? Color.RED : Color.BLACK;
            lblStatus.setTextColor(color);
                    boolean approve = dbManager.approveLeaveRequest(id);
                    if (approve) {
                        displayLeaves();
```

LeaveCursorAdapter.java

```
import android.content.Context;
import android.database.Cursor;
import android.graphics.Color;
import android.view.LayoutInflater;
import android.view.View;
import android.view.View;
import android.widget.Button;
import android.widget.CursorAdapter;
import android.widget.TextView;
import android.widget.Toast;

public class LeaveCursorAdapter extends CursorAdapter {
    private final DbManager dbManager;

    public LeaveCursorAdapter(Context context, Cursor cursor, DbManager dbManager) {
        super(context, cursor, 0);
        this.dbManager = dbManager;
    }
}
```

```
@Override
    public View newView(Context context, Cursor cursor, ViewGroup parent) {
        LayoutInflater inflater = LayoutInflater.from(context);
        return inflater.inflate(R.layout.leave view, parent, false);
        TextView lblId = view.findViewById(R.id.lblId);
        TextView lblEmpId = view.findViewById(R.id.lblEmpId);
        TextView lblReason = view.findViewById(R.id.lblReason);
        Button btnApprove = view.findViewById(R.id.btnApprove);
       Button btnReject = view.findViewById(R.id.btnReject);
        int empIdIndex = cursor.getColumnIndex("id");
        int statusIndex = cursor.getColumnIndex("status");
        int empId = cursor.getInt(empIdIndex);
        String reason = cursor.getString(reasonIndex);
        String status = cursor.getString(statusIndex);
        String date = cursor.getString(dateIndex);
       String time = cursor.getString(timeIndex);
        lblId.setText(String.valueOf(id));
        lblEmpId.setText(String.valueOf(empId));
        int color = status.equals("Pending") ? Color.RED : Color.BLACK;
        lblStatus.setTextColor(color);
       btnApprove.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                boolean approve = dbManager.approveLeaveRequest(id);
                if (approve) {
Toast.LENGTH SHORT).show();
                    notifyDataSetChanged();
        btnReject.setOnClickListener(new View.OnClickListener() {
                boolean reject = dbManager.rejectLeaveRequest(id);
```

leave_view.java

```
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
   android:orientation="vertical">
       android:layout width="match parent"
        android:layout height="wrap content"
        android:layout marginTop="8dp"
        android:orientation="horizontal">
        <TextView
            android:layout width="wrap content"
            android:layout height="wrap content"
            android:textSize="20dp"
            android:textStyle="bold" />
        <TextView
            android:layout width="wrap content"
            android:layout height="wrap content"
            android:textSize="20dp"
   </LinearLayout>
   <LinearLayout</pre>
        android:layout width="match parent"
        android:layout height="wrap content"
        android:layout marginTop="8dp"
        android:orientation="horizontal">
        <TextView
            android:layout width="wrap content"
            android:layout_height="wrap_content"
android:text="Employee Id: "
```

```
<TextView
        android:layout width="wrap content"
        android:layout height="wrap content"
        android:textSize="20dp"
</LinearLayout>
    android:orientation="horizontal">
    <TextView
        android:layout width="wrap content"
        android:textSize="20dp"
        android:textStyle="bold" />
    <TextView
        android:id="@+id/lblReason"
        android:layout width="wrap content"
<LinearLayout
    android:layout width="match parent"
    android:layout_height="wrap content"
    android:layout_marginTop="8dp"
    android:orientation="horizontal">
    <TextView
        android:layout width="wrap content"
        android:layout height="wrap content"
        android:text="Leave Status: "
        android:textSize="20dp"
        android:textStyle="bold" />
    <TextView
        android:layout width="wrap content"
        android:layout height="wrap content"
        android:textSize="20dp"
        android:textStyle="bold" />
</LinearLayout>
<LinearLayout
    android:layout width="match parent"
    android:layout height="wrap content"
    android:layout marginTop="8dp"
    android:orientation="horizontal">
    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
android:text="Leave Date: "
```

```
<TextView
           android:layout_width="wrap_content"
           android:layout height="wrap content"
           android:textSize="20dp"
       android:orientation="horizontal">
       <TextView
           android:textStyle="bold" />
       <TextView
   <LinearLayout
       android:layout width="match parent"
       android:layout height="wrap content"
       android:layout marginTop="8dp"
           android:layout width="wrap content"
           android:layout height="wrap content"
           android:id="@+id/btnReject"
           android:layout width="wrap content"
   </LinearLayout>
</LinearLayout>
```