WANDERLUST

A PERSONALIZED TRAVEL PLANNING AND TRACKING APP

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DESCRIPTION

Wandurlust is a personalized travel planning and tracking Android app aimed at helping users streamline their travel experiences. The app enables users to create customized itineraries, view details about popular destinations, track their journey, and document memories with photos and notes.

Key Features:

Personalized Itineraries: Plan daily activities and destinations for each trip.

Destination Insights: Explore key information on locations like Singapore, Paris, and Bali.

Journey Tracking: Visualize travel routes and track visited locations.

Photo Journal: Attach photos and notes to create a travel log.

Technical Stack:

Frontend: Android SDK, XML layouts, Material Design.

APIs: Google Maps API for route visualization.

Additional Services: Firebase for user authentication and data storage.

Future Enhancements could include collaborative trip planning, budget tracking, and offline access, making Wandurlust a comprehensive travel companion.

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PROJECT STRUCTURE

Activities:

MainActivity - Home screen and navigation hub.

LoginActivity - User authentication and onboarding.

RegisterActivity - New user registration.

Destination Activities (e.g., SingaporeActivity, ParisActivity, BaliActivity) - Detailed insights for each destination.

Resources:

Layouts: XML files in res/layout define the UI structure for each screen.

Drawables: Custom icons, images, and logos.

Values: strings.xml, styles.xml, and theme settings for cohesive design.

Future Enhancements

Collaborative Planning: Allow users to plan trips with friends and family.

Budget Tracking: Integrate a feature to help track travel expenses.

Offline Mode: Access itineraries and travel notes without internet connectivity.

This description covers the core aspects of Wandurlust, including features, technical stack, and potential future improvements

Let me know if you'd like to modify or expand on any sections!

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PROJECT CODE

MainActivity.java

```
package com.example.wandurlust;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import androidx.appcompat.app.AppCompatActivity;

public class MainActivity extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
    }

    public void openSingapore(View view) {
        startActivity(new Intent(this, SingaporeActivity.class));
    }

    public void openParis(View view) {
        startActivity(new Intent(this, ParisActivity.class));
    }

    public void openBali(View view) {
        startActivity(new Intent(this, BaliActivity.class));
    }

}
```

LoginActivity.java

```
package com.example.wandurlust;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import androidx.appcompat.app.AppCompatActivity;

public class LoginActivity extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_login);
    }

    public void login(View view) {
        startActivity(new Intent(this, MainActivity.class));
    }

    public void openRegister(View view) {
        startActivity(new Intent(this, RegisterActivity.class));
    }
}
```

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activity_main.xml

```
<linearlayout xmlns:android
="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical">

    <Button
        android:text="Visit Singapore"
        android:onClick="openSingapore"
        android:layout_width="match_parent"
        android:layout_height="wrap_content" />

    <Button
        android:text="Visit Paris"
        android:onClick="openParis"
        android:layout_width="match_parent"
        android:layout_height="wrap_content" />

    <Button
        android:text="Visit Bali"
        android:onClick="openBali"
        android:layout_width="match_parent"
        android:layout_height="wrap_content" />
</linearlayout>
```

activity_login.xml

```
<linearlayout xmlns:android="http://schemas.android.com/apk/res/andro
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical">

    <EditText
        android:hint="Username"
        android:layout_width="match_parent"
        android:layout_height="wrap_content" />

    <EditText
        android:hint="Password"
        android:inputType="textPassword"
        android:layout_width="match_parent"
        android:layout_height="wrap_content" />

    <Button
        android:text="Login"
        android:onClick="login"
        android:layout_width="match_parent"
        android:layout_height="wrap_content" />

    <Button
        android:text="Register"
        android:onClick="openRegister"
        android:layout_width="match_parent"
        android:layout_height="wrap_content" />
</linearlayout>
```

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activity_register.xml

```
<Linearlayout xmlns:android=
"http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical">

    <EditText
        android:hint="Username"
        android:layout_width="match_parent"
        android:layout_height="wrap_content" />

    <EditText
        android:hint="Password"
        android:inputType="textPassword"
        android:layout_width="match_parent"
        android:layout_height="wrap_content" />

    <Button
        android:text="Register"
        android:layout_width="match_parent"
        android:layout_height="wrap_content" />
</Linearlayout>
```

strings.xml

```
<resources>
    <string name="app_name">Wandurlust</string>
    <string name="login">Login</string>
    <string name="register">Register</string>
    <string name="visit_singapore">Visit Singapore</string>
    <string name="visit_paris">Visit Paris</string>
    <string name="visit_bali">Visit Bali</string>
</resources>
```

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AndroidManifest.xml

```xml
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="com.example.wandurlust">

    <application
        android:allowBackup="true"
        android:icon="@mipmap/ic_launcher"
        android:label="@string/app_name"
        android:supportsRtl="true"
        android:theme="@style/Theme.Wandurlust">

        <activity android:name=".RegisterActivity" />
        <activity android:name=".SingaporeActivity" />
        <activity android:name=".ParisActivity" />
        <activity android:name=".BaliActivity" />
        <activity android:name=".MainActivity" />

        <activity android:name=".LoginActivity">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />
                <category android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>
    </application>
</manifest>
```

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OUTPUT

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OUTPUT

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THANK YOU!

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