# A Material Design Study App

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# DESCRIPTION

- This app is tailored for students and lifelong learners, providing tools to organize, track, and enhance their learning journey. With a modern, user-friendly interface, FocusFlow simplifies study routines, promotes productivity, and ensures users stay motivated and on track.
- **Materials**: designed with Material Design principles, ensures a modern and intuitive user experience. Key components include cards, floating action buttons (FAB), and navigation bars for smooth interaction. It offers customizable light and dark themes with adaptive colors for accessibility.
- **Resources**: The app offers a central repository for study materials, customizable flashcards and quizzes, AI-powered recommendations, collaboration features for sharing resources, and offline access for uninterrupted study. These resources create an efficient and interactive learning environment.
- **Electronic material Software**: The app includes tools for viewing and annotating PDFs, creating multimedia flashcards, taking notes, and integrating videos and images, with cloud storage for syncing materials across devices.
- **Mobile Apps**: The app stands out with AI-driven study recommendations, gamification, offline access, collaboration features, and customizable study plans, making it unique compared to other study apps.
- **Online Platforms**: The app stands out with AI-driven study plans, gamified learning, offline access, collaborative tools, and customizable schedules, offering a more interactive and tailored learning experience than typical online platforms.

Main Activity.java:

```
package com.example.owlapplication
import android.content.Context
import android.content.Intent
import android.os.Bundle
import androidx.activity.ComponentActivity
import androidx.activity.compose.setContent
import androidx.compose.foundation.Image
import androidx.compose.foundation.clickable
import androidx.compose.foundation.layout.*
import
androidx.compose.foundation.rememberScrollState
import androidx.compose.foundation.verticalScroll
import androidx.compose.material.Card
import androidx.compose.material.Text
```

```
import androidx.compose.runtime.Composable
import androidx.compose.ui.Alignment
import androidx.compose.ui.Modifier
import androidx.compose.ui.draw.scale
import androidx.compose.ui.graphics.Color
import androidx.compose.ui.res.painterResource
import androidx.compose.ui.res.stringResource
import androidx.compose.ui.text.font.FontWeight
import androidx.compose.ui.text.style.TextAlign
import androidx.compose.ui.unit.dp
import androidx.compose.ui.unit.sp
```

```
class MainActivity : ComponentActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContent {
            StudyApp(this)
        }
    }
}

@Composable
fun StudyApp(context: Context) {

    Column(
        modifier = Modifier
            .padding(20.dp)
            .verticalScroll(rememberScrollState())

    ) {
```

```
Text(text = "Ⓜ Ⓨ  ⓂⒶⓉⒺⓇⒾⒶⓁ",
        fontSize = 36.sp,
        fontWeight = FontWeight.Bold,
        color = Color(0xFF6C6D70),
        modifier = Modifier.align(Alignment.CenterHorizontally))

    Spacer(modifier = Modifier.height(20.dp))
Card(
        modifier = Modifier
            .fillMaxWidth()
            .height(250.dp)
            .clickable {
                context.startActivity(
                    Intent(context, MainActivity2::class.java)
```

```
)
            },
        elevation = 8.dp
    )
    {
        Column(
            horizontalAlignment = Alignment.CenterHorizontally
        ) {
            Image(
                painterResource(id = R.drawable.arts), contentDescription = "",
                modifier = Modifier
                    .height(150.dp)
                    .scale(scaleX = 1.2F, scaleY = 1F)
            )
            Text(text = stringResource(id = R.string.course1),color = Color(0xFF69031F),
                fontSize = 16.sp)
Text(
                text = stringResource(id = R.string.topic1),
                fontWeight = FontWeight.Bold,
                fontSize = 20.sp,
                textAlign = TextAlign.Center,
```

```
            }
        }
        Spacer(modifier = Modifier.height(20.dp))
Card(
            modifier = Modifier
                .fillMaxWidth()
                .height(250.dp)
                .clickable {
  context.startActivity(
                        Intent(context, MainActivity3::class.java)
                    )
                },
                elevation = 8.dp
            )
            {
                Column(
                horizontalAlignment = Alignment.CenterHorizontally
            ) {
```

```
Image(
            painterResource(id = R.drawable.paint), contentDescription = "",
            modifier = Modifier
                .height(150.dp)
                .scale(scaleX = 1.4F, scaleY = 1F)
        )
        Text(text = stringResource(id = R.string.course2),color = Color(0xFF69031F),
            fontSize = 16.sp)
        Text(
            text = stringResource(id = R.string.topic2),
            fontWeight = FontWeight.Bold,
            fontSize = 20.sp,
            textAlign = TextAlign.Center,
        )
    }
    }
    Spacer(modifier = Modifier.height(20.dp))
```

```
card(
        modifier = Modifier
            .fillMaxWidth()
            .height(250.dp)
            .clickable {
                context.startActivity(
                    Intent(context, MainActivity4::class.java)


                )
            },
        elevation = 8.dp
    ){
        Column(
            horizontalAlignment = Alignment.CenterHorizontally
        ) {
            Image(
                painterResource(id = R.drawable.arch), contentDescription = "",
```

```
 modifier = Modifier
                    .height(150.dp)
                    .scale(scaleX = 1.2F, scaleY = 1F)
 )
            Text(text = stringResource(id = R.string.course3),color =
Color(0xFF69031F),
                fontSize = 16.sp)
            Text(
                text = stringResource(id = R.string.topic3),
                fontWeight = FontWeight.Bold,
                fontSize = 20.sp,
                textAlign = TextAlign.Center,
            )
        }
    }
    Spacer(modifier = Modifier.height(20.dp))
        horizontalAlignment = Alignment.CenterHorizontally
    ) {
```

```
Image(
        painterResource(id = R.drawable.arch), contentDescription = "",
        modifier = Modifier
            .height(150.dp)
            .scale(scaleX = 1.2F, scaleY = 1F)
    )
    Text(text = stringResource(id = R.string.course3),color = Color(0xFF69031F),
        fontSize = 16.sp)

    Text(
        text = stringResource(id = R.string.topic3),
        fontWeight = FontWeight.Bold,
        fontSize = 20.sp,
        textAlign = TextAlign.Center,
    )
  }
}
```

```
Image(
        painterResource(id = R.drawable.design), contentDescription = "",
        modifier = Modifier
            .height(150.dp)
            .scale(scaleX = 1.2F, scaleY = 1F))
    Text(text = stringResource(id = R.string.course4),color = Color(0xFF69031F),
        fontSize = 16.sp)
    Text(
        text = stringResource(id = R.string.topic4),
        fontWeight = FontWeight.Bold,
        fontSize = 20.sp,
        textAlign = TextAlign.Center,)}}
```

Activity_main.xml:

```
<?xml version="1.0" encoding="utf-8"?>
<manifest
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools">
```

```
<application
        android:allowBackup="true"
        android:dataExtractionRules="@xml/data_extraction_rules"
        android:fullBackupContent="@xml/backup_rules"
        android:icon="@mipmap/ic_launcher"
        android:label="@string/app_name"
        android:supportsRtl="true"
        android:theme="@style/Theme.OwlApplication"
        tools:targetApi="31">


    <activity
        android:name=".RegisterActivity"
        android:exported="false"
        android:label="@string/title_activity_register"
        android:theme="@style/Theme.OwlApplication" />
```

```
<activity
    android:name=".MainActivity"
    android:exported="false"
    android:label="MainActivity"
    android:theme="@style/Theme.OwlApplication" />


<activity
    android:name=".MainActivity5"
    android:exported="false"
    android:label="@string/title_activity_main5"
    android:theme="@style/Theme.OwlApplication" />
```

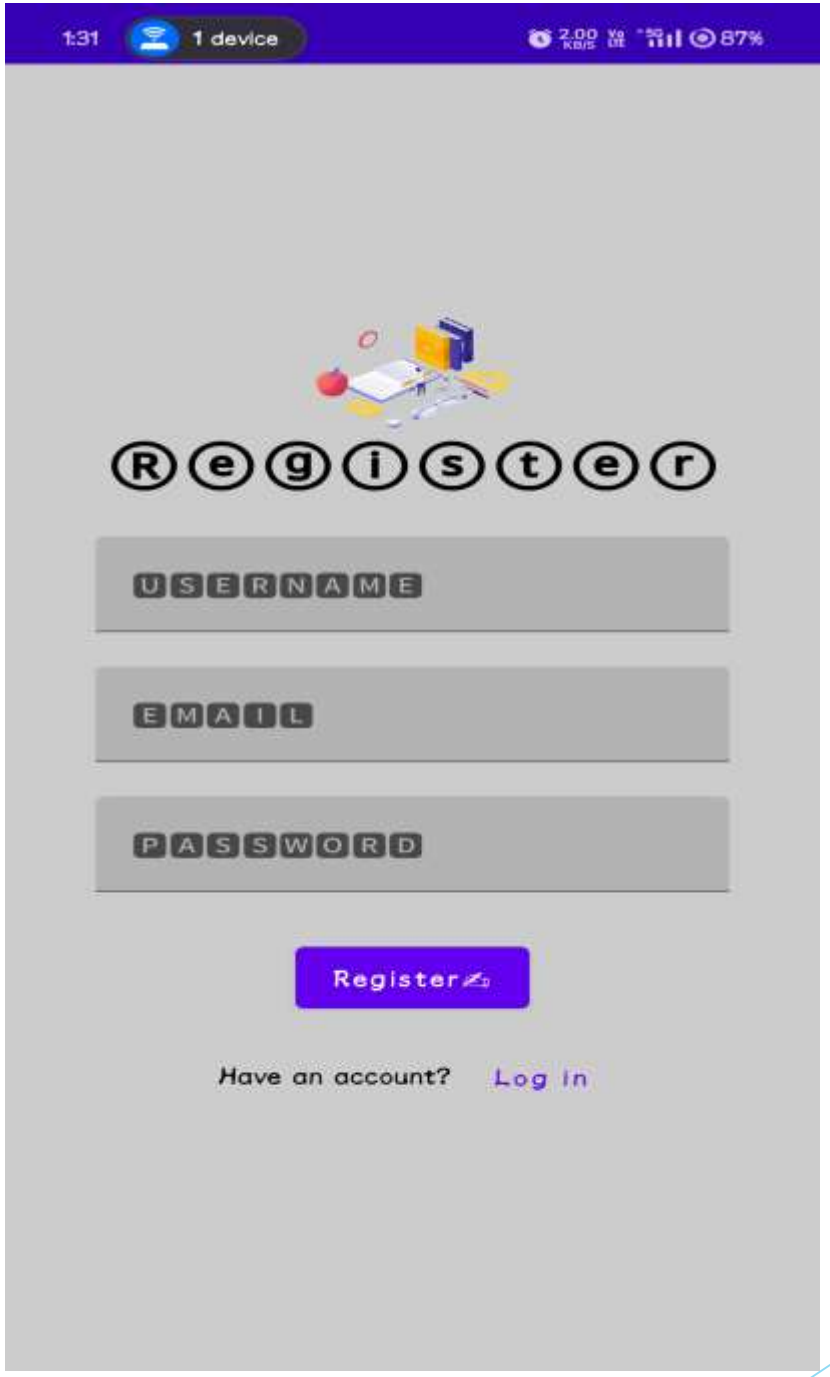
```
<activity
    android:name=".MainActivity4"
    android:exported="false"
    android:label="@string/title_activity_main4"
    android:theme="@style/Theme.OwlApplication" />

<activity
    android:name=".MainActivity3"
    android:exported="false"
    android:label="@string/title_activity_main3"
    android:theme="@style/Theme.OwlApplication" />
```

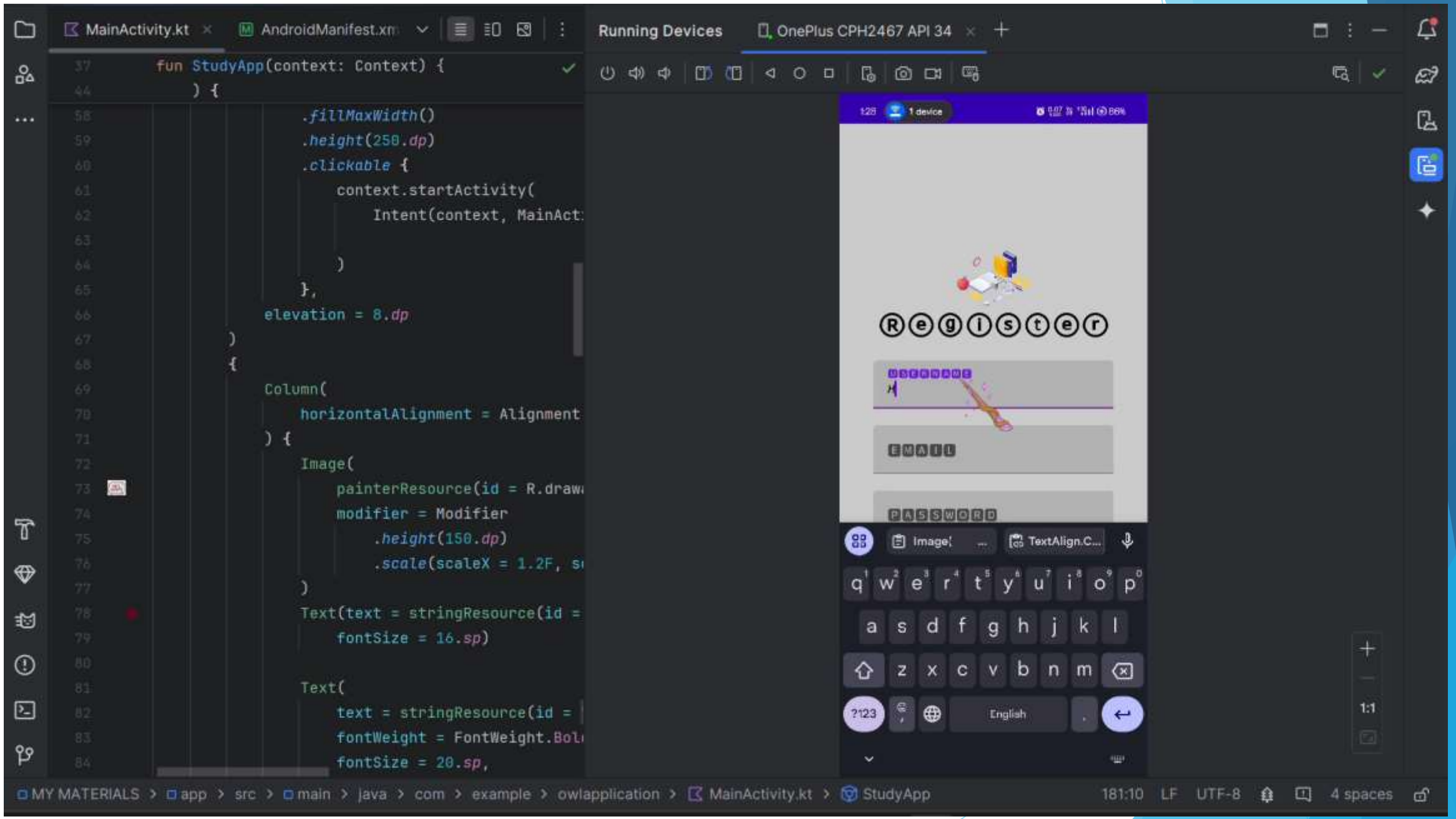
```
<activity
    android:name=".MainActivity2"
    android:exported="false"
    android:label="@string/title_activity_main2"
    android:theme="@style/Theme.OwlApplication" />

<activity
        android:name=".LoginActivity"
        android:exported="true"
        android:label="@string/app_name"
        android:theme="@style/Theme.OwlApplication">
        <intent-filter>
```

```
<action android:name="android.intent.action.MAIN" />

                <category
android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>
    </application>

</manifest>
```

## OUTPUT:

1:30
1 device
87%
WELCOME
USERNAME
PASSWORD
Successfully log in
LOGIN
Register
Forget password?


1:31
1 device
87%
Register
USERNAME
EMAIL
PASSWORD
Register
Have an account?
Log in


MainActivity.kt
AndroidManifest.xml
fun StudyApp(context: Context) {
) {
.fillMaxWidth()
.height(250.dp)
.clickable {
context.startActivity(
Intent(context, MainAct
)
},
elevation = 8.dp
)
{
Column(
horizontalAlignment = Alignment
) {
Image(
painterResource(id = R.draw
modifier = Modifier
.height(150.dp)
.scale(scaleX = 1.2F, s
)
Text(text = stringResource(id =
fontSize = 16.sp)
Text(
text = stringResource(id =
fontWeight = FontWeight.Bol
fontSize = 20.sp,
Running Devices
OnePlus CPH2467 API 34
1 device
Register
USERNAME
EMAIL
PASSWORD
English
MY MATERIALS
app
src
main
java
com
example
owlapplication
MainActivity.kt
StudyApp
181:10
LF
UTF-8
4 spaces