Snacks Ordering App

DESCRIPTION

Snacks Ordering App

A project that demonstrates the use of Android Jetpack Compose to build a UI for a snack squad app. Snack Squad is a sample project built using the Android Compose UI toolkit. It demonstrates how to create a simple e-commerce app for snacks using the Compose libraries.The user can see a list of snacks, and by tapping on a snack,and by tapping on the "Add to Cart" button, the snack will be added to the cart. The user can also see the list of items in the cart and can proceed to checkout to make the purchase.

Main Activity.java:

```
package com.example.snackordering
import android.annotation.SuppressLint
import android.content.Contextimport android.os.Bundle
import androidx.activity.ComponentActivity
import androidx.activity.compose.setContent
import androidx.annotation.DrawableRes
import androidx.annotation.StringResimport androidx.compose.foundation.Image
import androidx.compose.foundation.background
```

```
import androidx.compose.foundation.layout.
import androidx.compose.foundation.shape.CircleShape
import androidx.compose.foundation.shape.RoundedCornerShape
import androidx.compose.material.
import androidx.compose.material.icons.Icons
import androidx.compose.material.icons.filled.
import androidx.compose.runtime.Composable
import androidx.compose.ui.Alignmentimport androidx.compose.ui.Modifier
```

```
import androidx.compose.ui.Modifier
import androidx.compose.ui.graphics.Color
import androidx.compose.ui.res.painterResource
import androidx.compose.ui.text.font.FontWeight
import androidx.compose.ui.text.style.TextAlign
import androidx.compose.ui.tooling.preview.Preview
import androidx.compose.ui.unit.dp
import androidx.compose.ui.unit.sp
import com.example.expensestracker.ui.theme.Snacks Ordering
Theme
```

```
class MainPage : ComponentActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContent {
            SnackOrderingTheme {
                // A surface container using the 'background' color from the theme
                Surface(
                    modifier = Modifier.fillMaxSize(),
                    color = MaterialTheme.colors.background
                ) {
                    FinalView(this)
                    val context = LocalContext.current
                    //PopularFoodColumn(context)
                }
            }
        }
    }
}
```

```
@Composable
fun TopPart() {

    Row(
        modifier = Modifier
            .fillMaxWidth()
            .background(Color(0xFFECF0F0)), Arrangement.SpaceBetween
    ) {
        Icon(
            imageVector = Icons.Default.Add, contentDescription = "Menu Icon",
            Modifier

                .clip(CircleShape)
                .size(40.dp),
            tint = Color.Black,
        )
        Column(horizontalAlignment = Alignment.CenterHorizontally) {
            Text(text = "Location", style = MaterialTheme.typography.subtitle1, color = Color.Black)
            Row {
                Icon(
                    imageVector = Icons.Default.LocationOn,
                    contentDescription = "Location",
                    tint = Color.Red,
                )
```

```
 Text(text = "coimbatore" , color = Color.Black)
        }

    }
    Icon(
        imageVector = Icons.Default.Notifications, contentDescription = "Notification Icon",

        Modifier
            .size(45.dp),
        tint = Color.Black,
    )
  }
}

@Composable
fun CardPart() {
  Card(modifier = Modifier.size(width = 310.dp, height = 150.dp), RoundedCornerShape(20.dp)) {
    Row(modifier = Modifier.padding(10.dp), Arrangement.SpaceBetween) {
      Column(verticalArrangement = Arrangement.spacedBy(12.dp)) {
        Text(text = "TODAY ONLY!!!!")
        Text(text = "Eat and Enjoy")
        Text(text = "Up to 85%", style = MaterialTheme.typography.h5)
        Button(onClick = {}, colors = ButtonDefaults.buttonColors(Color.White)) {
          Text(text = "Claim voucher", color = MaterialTheme.colors.surface)
        }
```

```
}
        Image(
            painter = painterResource(id = R.drawable.all_in_one),
            contentDescription = "Food Image", Modifier.size(width = 100.dp, height = 200.dp)
        )
    }
  }
}


@Composable
fun PopularFood(
    @DrawableRes drawable: Int,
    @StringRes text1: Int,
    context: Context
) {
    Card(
        modifier = Modifier
            .padding(top = 20.dp, bottom = 20.dp, start = 65.dp)
            .width(250.dp)

    ) {
```

```
Column(
        verticalArrangement = Arrangement.Top,
        horizontalAlignment = Alignment.CenterHorizontally
    ) {
        Spacer(modifier = Modifier.padding(vertical = 5.dp))
        Row(
            modifier = Modifier
                .fillMaxWidth(0.7f), Arrangement.End
        ) {
            Icon(
                imageVector = Icons.Default.Star,
                contentDescription = "Star Icon",
                tint = Color.Yellow
            )
            Text(text = "4.3", fontWeight = FontWeight.Black)
        }
        Image(
            painter = painterResource(id = drawable),
            contentDescription = "Food Image",
            contentScale = ContentScale.Crop,
            modifier = Modifier
                .size(100.dp)
                .clip(CircleShape)
```

```
)
        Text(text = stringResource(id = text1), fontWeight = FontWeight.Bold)
        Row(modifier = Modifier.fillMaxWidth(0.7f), Arrangement.SpaceBetween) {
            /TODO Implement Prices for each card/
            Text(
                text = "$50",
                style = MaterialTheme.typography.h6,
                fontWeight = FontWeight.Bold,
                fontSize = 18.sp
            )

            IconButton(onClick = {

                //var no=FoodList.lastIndex;
                //Toast.
                val intent = Intent1(context, TargetActivity::class.java)
                context.startActivity(intent)

            }) {
                Icon(
                    imageVector = Icons.Default.ShoppingCart,
                    contentDescription = "shopping cart",
                )
            }
        }
    }
}
```

```
private val FoodList = listOf(
    R.drawable.sandwitch to R.string.sandwich,
    R.drawable.all_in_one to R.string.burgers,
    R.drawable.friedchicken to R.string.pack,
    R.drawable.pasta to R.string.pasta,
    R.drawable.gril to R.string.Chicken,
    R.drawable.coco to R.string.wine,
    R.drawable.deo to R.string.salad,
    R.drawable.pizza to R.string.pizza,
    R.drawable.momos to R.string.momos,
    R.drawable.tandoori to R.string.tandoori,
    R.drawable.friedchicken to R.string.friedchicken
).map { DrawableStringPair(it.first, it.second) }


private data class DrawableStringPair(
    @DrawableRes val drawable: Int,
    @StringRes val text1: Int
)
```

```
@Composable
fun App(context: Context) {

    Column(
        modifier = Modifier
            .fillMaxSize()
            .background(Color(0xffeceef0))
            .padding(10.dp),
        verticalArrangement = Arrangement.Top,
        horizontalAlignment = Alignment.CenterHorizontally
    ) {
        Surface(modifier = Modifier, elevation = 5.dp) {
            TopPart()
        }
        Spacer(modifier = Modifier.padding(10.dp))
        CardPart()
        Spacer(modifier = Modifier.padding(10.dp))
        Row(modifier = Modifier.fillMaxWidth(), Arrangement.SpaceBetween) {
            Text(text = "Popular Food", style = MaterialTheme.typography.h5, color = Color.Black)
            Text(text = "view all", style = MaterialTheme.typography.subtitle1,  color = Color.Black)
        }
        Spacer(modifier = Modifier.padding(10.dp))
        PopularFoodColumn(context) // <- call the function with parentheses
    }
}
```

```
@Composable
fun PopularFoodColumn(context: Context) {

    LazyColumn(
        modifier = Modifier.fillMaxSize(),

        content = {
            items(FoodList) { item ->
                PopularFood(context = context,drawable = item.drawable, text1 = item.text1)
                abstract class Context
            }
        },
        verticalArrangement = Arrangement.spacedBy(16.dp))
}


@SuppressLint("UnusedMaterialScaffoldPaddingParameter")
@Composable
fun FinalView(mainPage: MainPage) {
    SnackOrderingTheme {
        Scaffold() {
            val context = LocalContext.current
            App(context)
        }
    }
}
```

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="@drawable/fast_food"
        android:label="@string/app_name"
        android:supportsRtl="true"
        android:theme="@style/Theme.SnackOrdering"
        tools:targetApi="31">
        <activity
            android:name=".AdminActivity"
            android:exported="false"
            android:label="@string/title_activity_admin"
            android:theme="@style/Theme.SnackOrdering" />
```

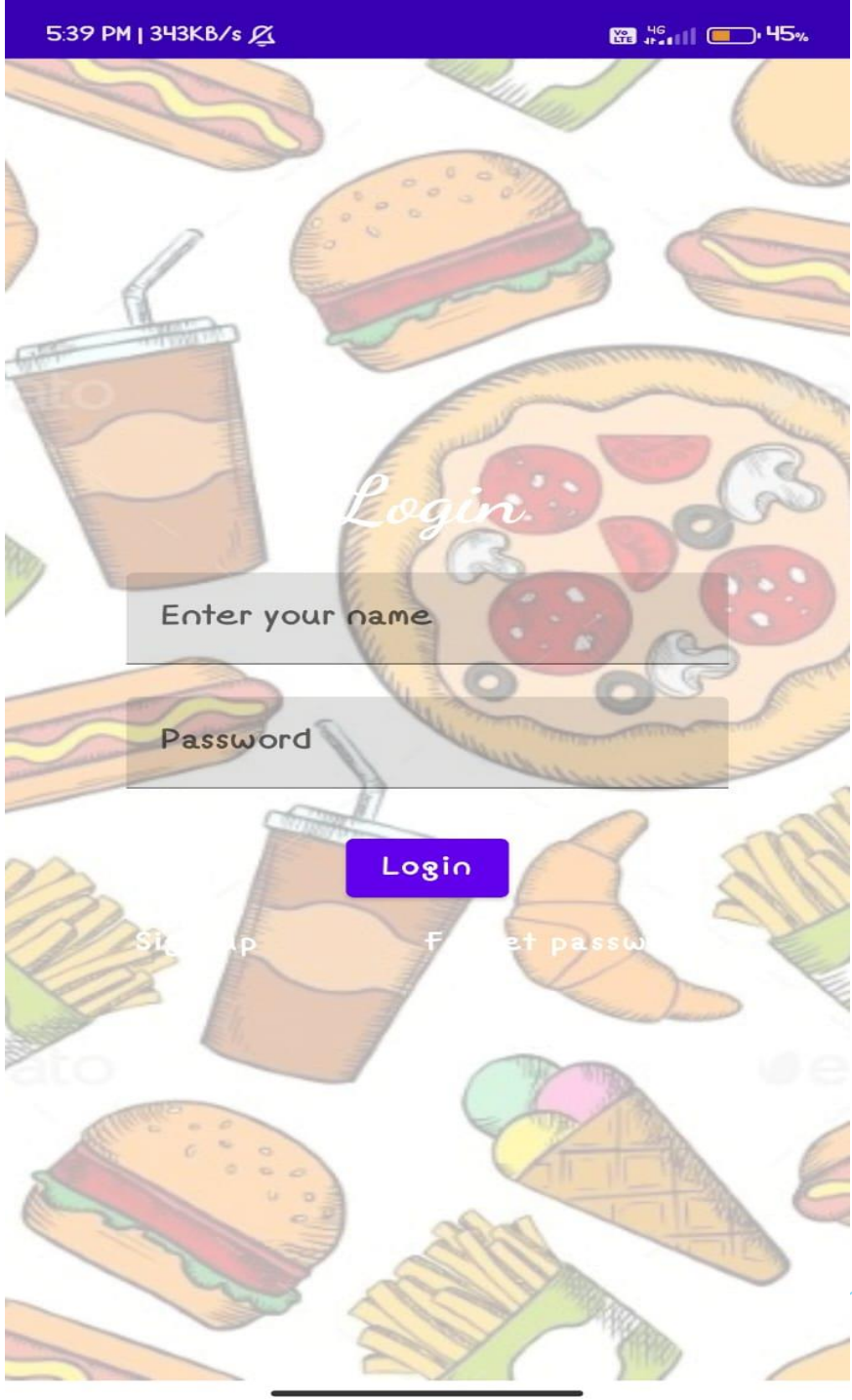
```
<activity
        android:name=".LoginActivity"
        android:exported="true"
        android:label="SnackSquad"
        android:theme="@style/Theme.SnackOrdering">
        <intent-filter>
            <action android:name="android.intent.action.MAIN" />

            <category android:name="android.intent.category.LAUNCHER" />
        </intent-filter>
    </activity>
    <activity
        android:name=".TargetActivity"
        android:exported="false"
        android:label="@string/title_activity_target"
        android:theme="@style/Theme.SnackOrdering" />
```

```
<activity
            android:name=".MainPage"
            android:exported="false"
            android:label="@string/title_activity_main_page"
            android:theme="@style/Theme.SnackOrdering" />
        <activity
            android:name=".MainActivity"
            android:exported="false"
            android:label="MainActivity"
            android:theme="@style/Theme.SnackOrdering" />
    </application>

</manifest>
```

OUTPUT:



5:39 PM | 241KB/s 45%

Username

Email

Password

Register

Have an account? Log in

5:40 PM | 202KB/s 45%

Location
coimbatore

TODAY ONLY!!!!

Eat and Enjoy

Up to 85%

Popular Food

view all

4.3

Sandwich

$50

4.3

Burger

$50