Snacks Ordering App

DESCRIPTION

Snacks Ordering App

- **Personalized Recommendations**: Suggests snacks based on user preferences and history.
- **Real-Time Order Tracking**: Tracks orders from placement to delivery.
- **Secure Payments**: Uses **Stripe** or **Razorpay** for safe transactions.
- **Dynamic Reports**: Visualizes spending trends via **Chart.js**.
- **Cloud Syncing**: Saves preferences and order history with **Firebase**.
- **Push Notifications**: Alerts for deals, new snacks, and updates.

Development Tools

- **Figma** for design.
- **React Native/Flutter** for frontend.
- **Firebase/PostgreSQL** for backend.

Competitive Edge

- Snack-focused, with curated menus and faster delivery than broad platforms like **Zomato**.

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(0xffeceef0)), 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 = "Accra" , 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 = "Get Special Discounts")
            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.food_tip_im),
            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.sandwish to R.string.sandwich,
    R.drawable.sandwish to R.string.burgers,
    R.drawable.pack to R.string.pack,
    R.drawable.pasta to R.string.pasta,
    R.drawable.tequila to R.string.tequila,
    R.drawable.wine to R.string.wine,
    R.drawable.salad to R.string.salad,
    R.drawable.pop to R.string.popcorn
).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" />
```

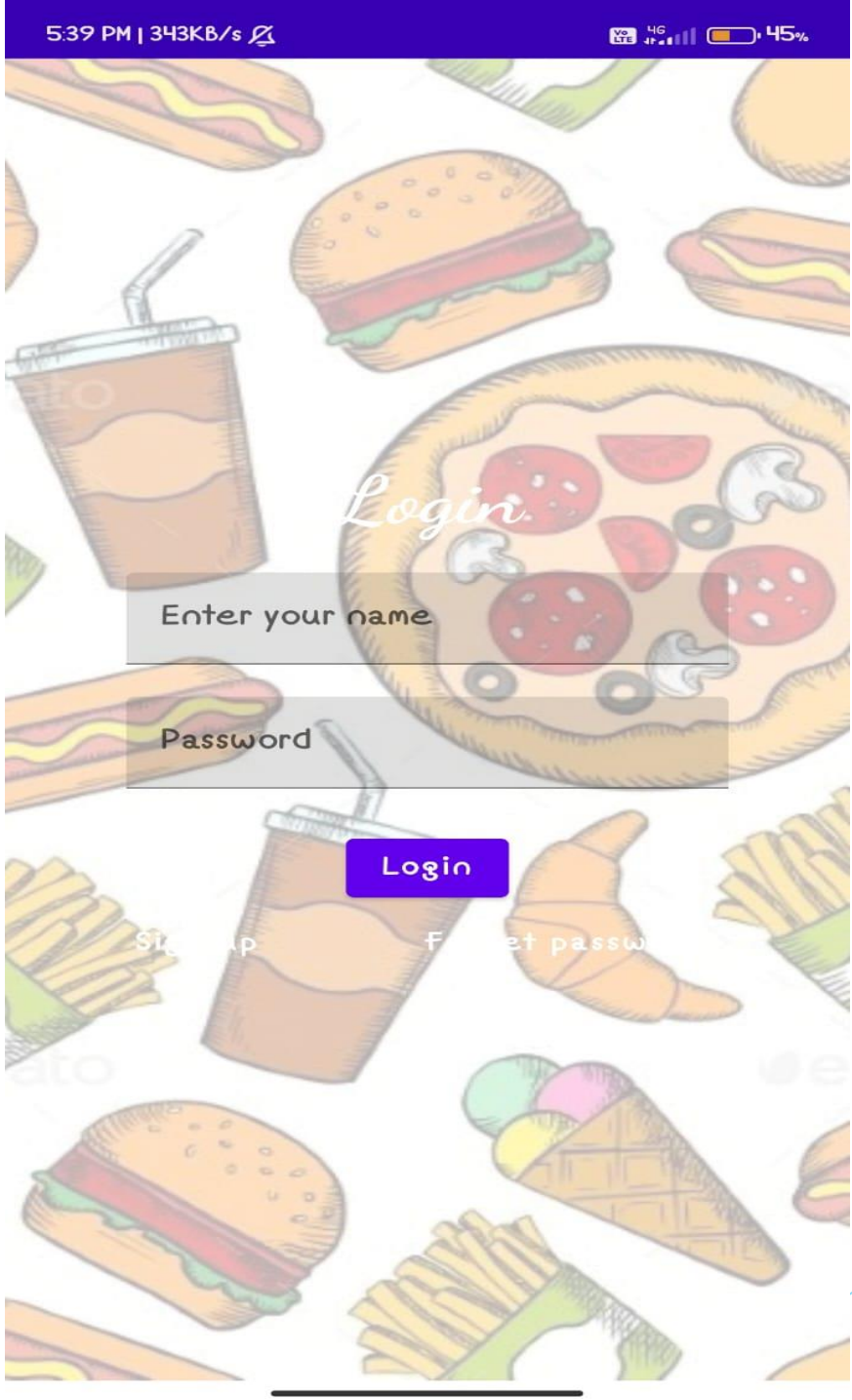
```
<activity
        android:name=".LoginActivity"
        android:exported="true"
        android:label="SnackSquad"
        android:theme="@style/Theme.SnackOrdering">
        <intent-filter>
            <action android:name="android.intent.action.MAIN" />

            <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