A CUSTOMIZABLE SNACK ORDERING AND DELIVERY APP

DESCRIPTION

The basic description for a customizable snack ordering and delivery app using Kotlin for Android development. This app will allow users to browse, customize, and order snacks for delivery. It includes essential features for an intuitive and efficient user experience.

App Name: Snack squad

Key Features

- User Authentication: Secure login and registration using Firebase Auth or any secure API to enable user profiles.
- Snack Catalog: Displays a range of snacks organized by categories. Each snack has a detailed view including description, price, nutritional info, and customization options.
- Customization Options:Users can choose add-ons (like extra toppings or sides).Select portions or quantity.Options for dietary preferences (like vegan, gluten-free, etc.).
- Cart Management:Easily add and remove items.Display total cost in real time.Apply discount codes or loyalty points.
- Order Scheduling:Immediate or scheduled delivery.Track delivery progress.
- Notifications:Order confirmation, status updates, and delivery notifications using Push Notifications (Firebase Cloud Messaging).
- Payment Integration:Integration with payment gateways like Stripe or PayPal for secure payments.Save payment details for quick checkout.
- Order History:Track past orders and reorder favorite snacks quickly.

Main Activity.kt:

```
package com.example.snackordering
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.layout.*
import androidx.compose.material.*
import androidx.compose.runtime.*
import androidx.compose.ui.Alignment
import androidx.compose.ui.Modifier
import androidx.compose.ui.graphics.Color
import androidx.compose.ui.layout.ContentScale
import androidx.compose.ui.res.painterResource
import androidx.compose.ui.text.font.FontFamily
import androidx.compose.ui.text.font.FontWeight
import androidx.compose.ui.unit.dp
import androidx.compose.ui.unit.sp
import androidx.core.content.ContextCompat
import com.example.snackordering.ui.theme.SnackOrderingTheme
```

```
class MainActivity : ComponentActivity() {
 private lateinit var databaseHelper: UserDatabaseHelper
 override fun onCreate(savedInstanceState: Bundle?) {
super.onCreate(savedInstanceState)
databaseHelper = UserDatabaseHelper(this)
 setContent {
 SnackOrderingTheme {
// A surface container using the 'background' color from the theme
Surface(
modifier = Modifier.fillMaxSize(),
color = MaterialTheme.colors.background
 ) {
 RegistrationScreen(this,databaseHelper)
}
          }
       }
 }
}
```

```
@Composable
fun RegistrationScreen(context: Context, databaseHelper:
UserDatabaseHelper) {
 Image(
 painterResource(id = R.drawable.order),
 contentDescription = "",
        alpha =0.3F,
        contentScale = ContentScale.FillHeight,
        )
var username by remember { mutableStateOf("") }
var password by remember { mutableStateOf("") }
var email by remember { mutableStateOf("") }
var error by remember { mutableStateOf("") }
   Column(
        modifier = Modifier.fillMaxSize(),
       horizontalAlignment = Alignment.CenterHorizontally,
        verticalArrangement = Arrangement.Center
    ) {
```

```
Text(
            fontSize = 36.sp,
           fontWeight = FontWeight.ExtraBold,
           fontFamily = FontFamily.Cursive,
            color = Color.White,
            text = "Register"
       )
 Spacer(modifier = Modifier.height(10.dp))
        TextField(
value = username,
            onValueChange = { username = it },
           label = { Text("Username") },
            modifier = Modifier
               .padding(10.dp)
              .width(280.dp)
       )
TextField(
           value = email,
            onValueChange = { email = it },
            label = { Text("Email") },
            modifier = Modifier
                .padding(10.dp)
                .width(280.dp)
        )
```

```
TextField(
            value = password,
            onValueChange = { password = it },
            label = { Text("Password") },
            modifier = Modifier
                .padding(10.dp)
              .width(280.dp)
        )
       if (error.isNotEmpty()) {
            Text(
                text = error,
                color = MaterialTheme.colors.error,
               modifier = Modifier.padding(vertical = 16.dp)
            )
        }
Button(
            onClick = {
              if (username.isNotEmpty() &&
 password.isNotEmpty() && email.isNotEmpty()) {
                    val user = User(
                        id = null,
```

```
firstName = username,
                    lastName = null,
                    email = email,
                   password = password
                )
 databaseHelper.insertUser(user)
                error = "User registered successfully"
                // Start LoginActivity using the current context
context.startActivity(
                   Intent(
                       context,
                      LoginActivity::class.java0
                    )
               )
 } else {
                   error = "Please fill all fields"
              }
          },
           modifier = Modifier.padding(top = 16.dp)
       ) {
           Text(text = "Register")
      }
       Spacer(modifier = Modifier.width(10.dp))
       Spacer(modifier = Modifier.height(10.dp))
```

```
Row() {
        Text(
            modifier = Modifier.padding(top = 14.dp), text = "Have an account?“
         )
         TextButton(onClick = {
            context.startActivity(
                Intent(
                   context,
                    LoginActivity::class.java
                )
            )
        })
        {
            Spacer(modifier = Modifier.width(10.dp))
           Text(text = "Log in")
 }
      }
   }
}
private fun startLoginActivity(context: Context) {
    val intent = Intent(context, LoginActivity::class.java)
  ContextCompat.startActivity(context, intent, null)
}
```

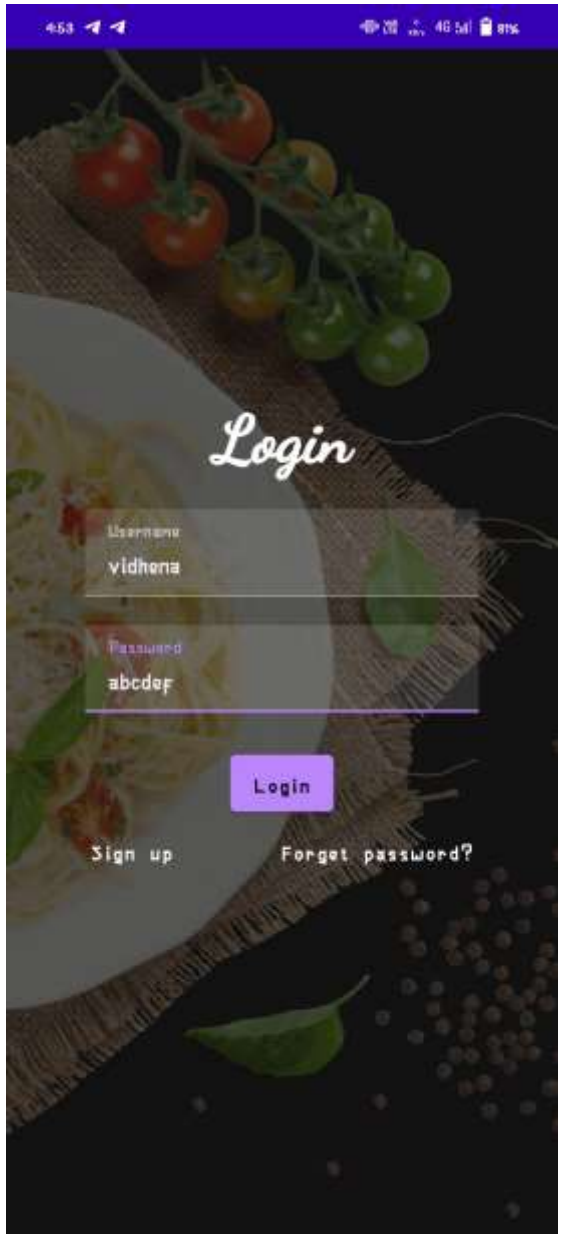
AndroidManifest.xml

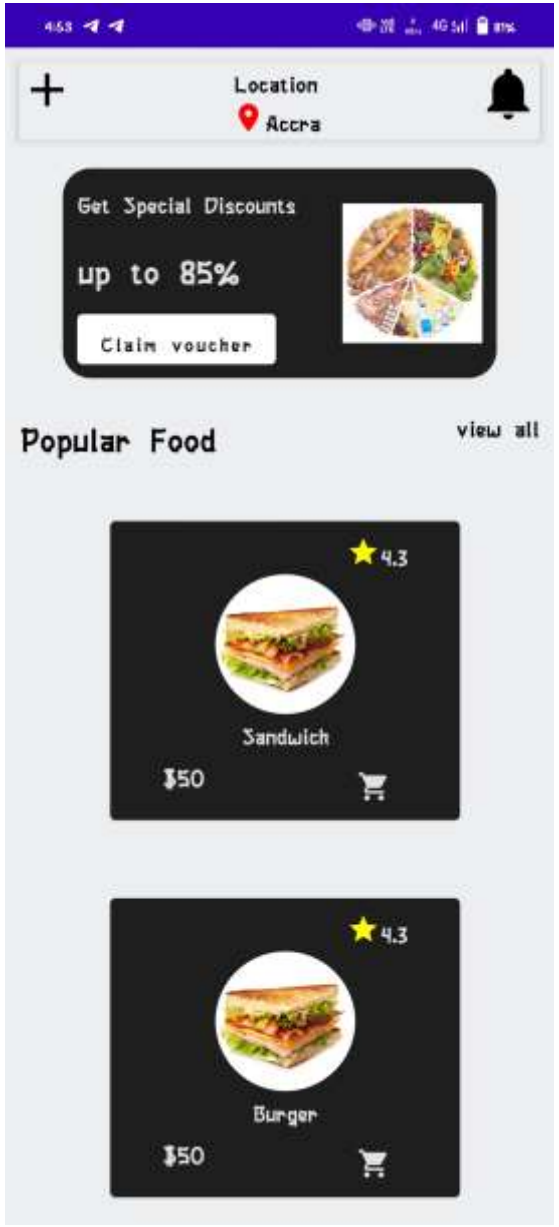
```
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
xmlns:tools="http://schemas.android.com/tools">
    <application
        android:allowBackup="true"
android:dataExtractionRules="@xml/data_extraction_rules"
android:fullBackupContent="@xml/backup_rules"
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" />
```

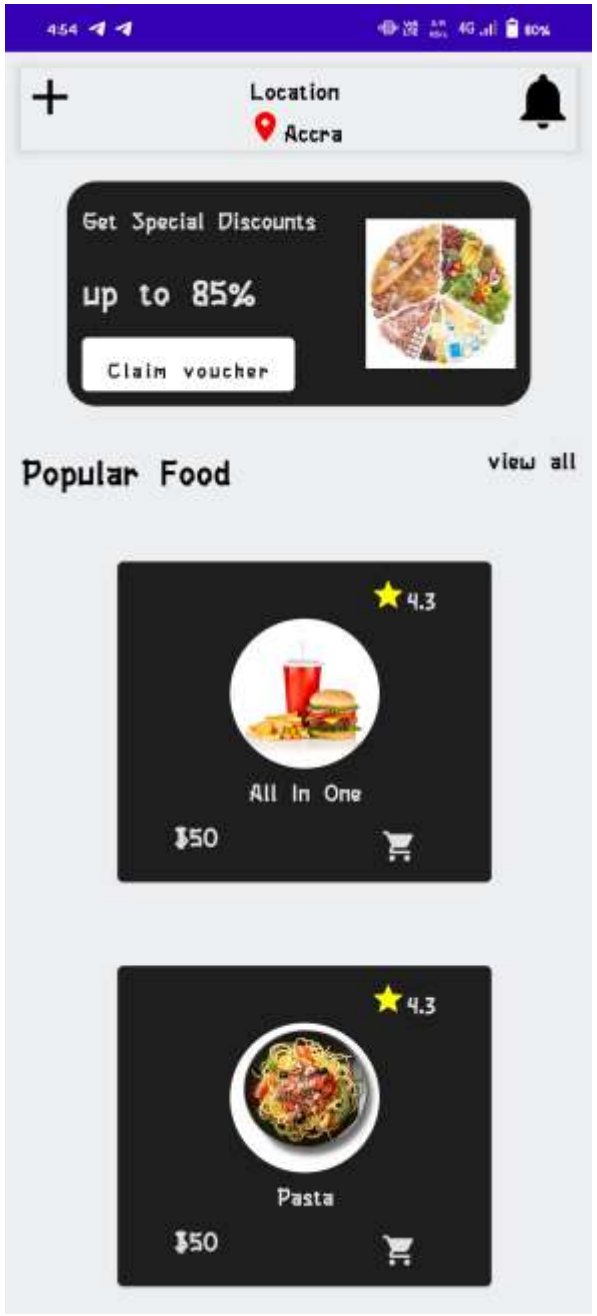
```
 <activity
        android:name=".MainActivity"
        android:exported="false"
         android:label="MainActivity"
android:theme="@style/Theme.SnackOrdering" />
  </application></manifest>
```

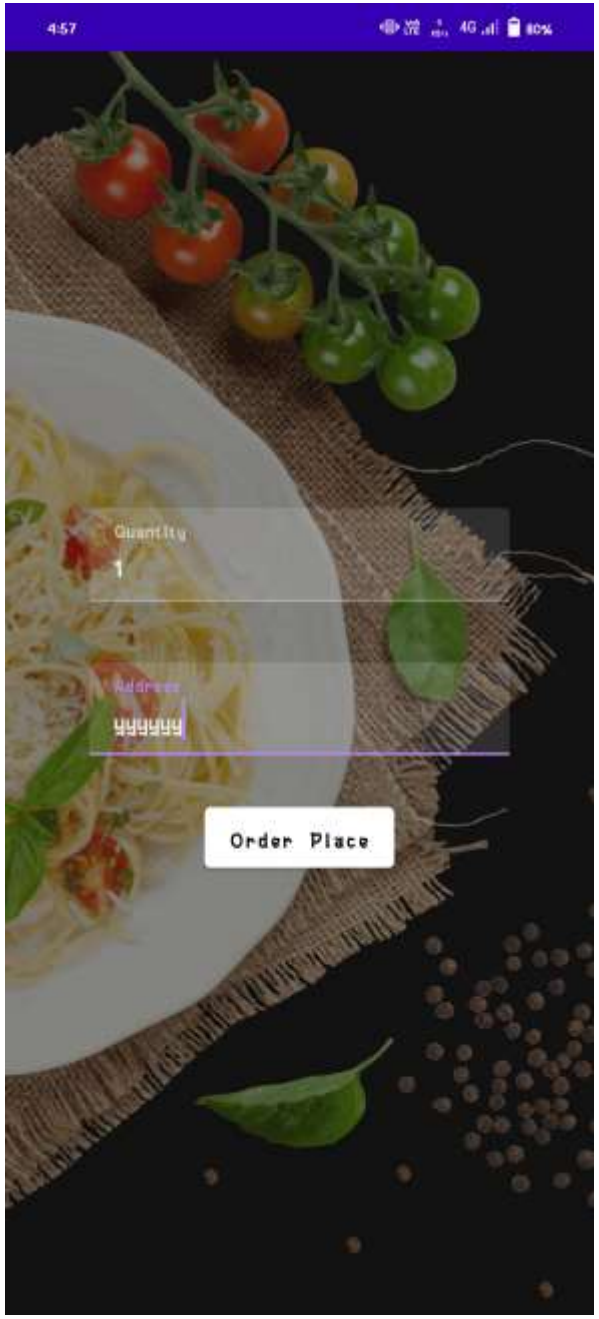
OUTPUT


Login
Username
vidhena
Password
abcdef
Login
Sign up
Forget password?


Location
Accra
Get Special Discounts
up to 85%
Claim voucher
Popular Food
view all
4.3
Sandwich
$50
4.3
Burger
$50


Location
Accra
Get Special Discounts
up to 85%
Claim voucher
Popular Food
view all
4.3
Salad
$50
4.3
Pop Corn
$50


Location
Accra
Get Special Discounts
up to 85%
Claim voucher
Popular Food
view all
4.3
All In One
$50
4.3
Pasta
$50


4:57
4G
80%
Quantity
1
Address
yyyyyy
Order Place

https://drive.google.com/file/d/1RzLYQ3WFvff-6Nw2NOEOc9pGKfrzARQh/view?usp=drivesdk