PROJECT REPPORT

Title: Snack Squad : A Customizable Snack Ordering and Delivery App

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1.INTRODUCTION:

1.1 Overview:

Snack Squad is a customizable snack ordering and delivery app that aims to provide a convenient and user-friendly platform for people to order their favorite snacks and have them delivered to their doorstep.

1.2 Purpose:

*A purpose of snack squad, a customizable snack ordering and delivery app is to provide a convenient and efficient way for users to order and receive snacks of their choice

* Snack squad allows users to browse a variety of snacks ,choose their favorites and place the order through the app.

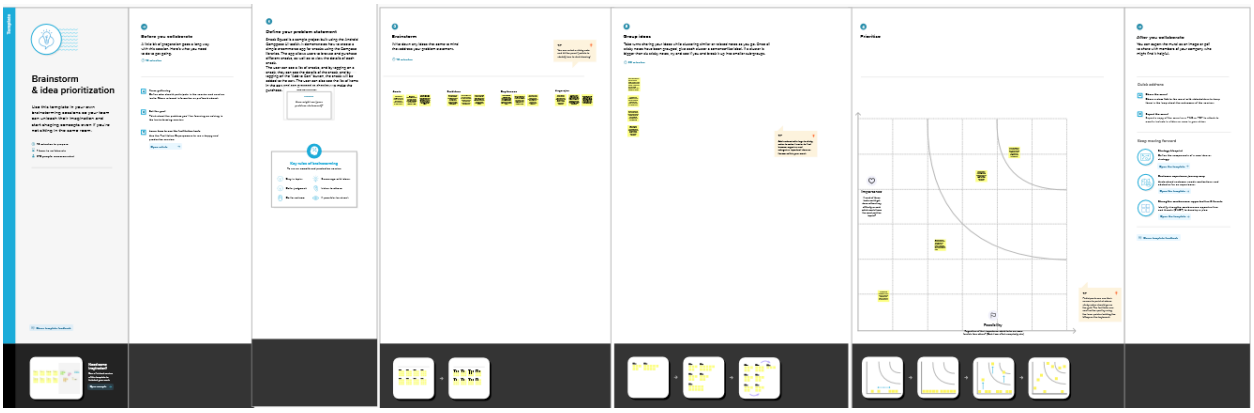
* The app aims to streaming the snack ordering and delivery process by providing a user-friendly interface that simplifies the ordering process.

* Overall, The app is designed to save users time and effort, allowing them to enjoy their favorite snacks without leaving their desks or offices.

2. PROBLEM DEFINITION & DESIGN THINKING

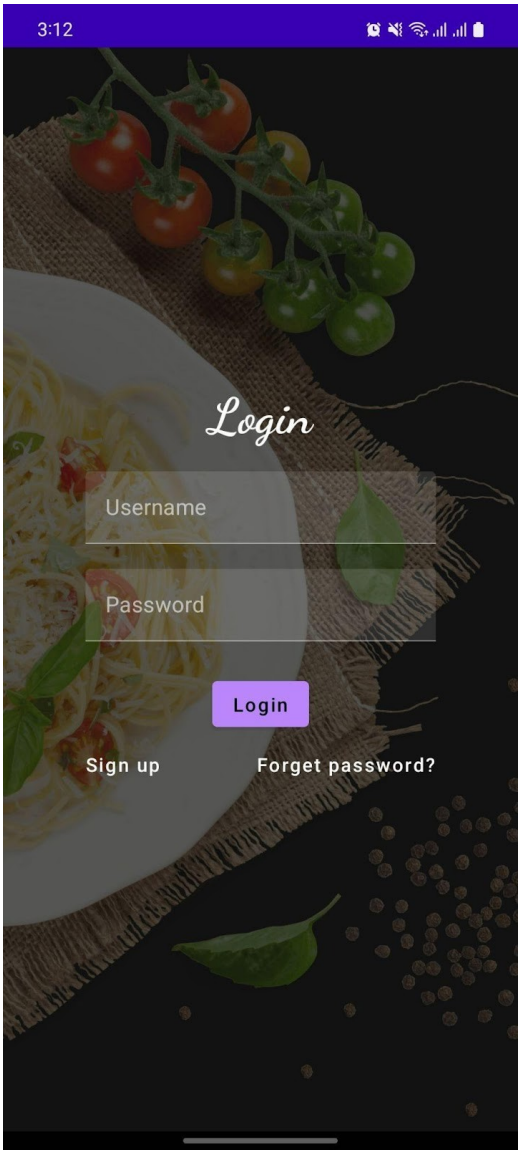
2.1 Empathy map:

2.2 Brainstorming map:

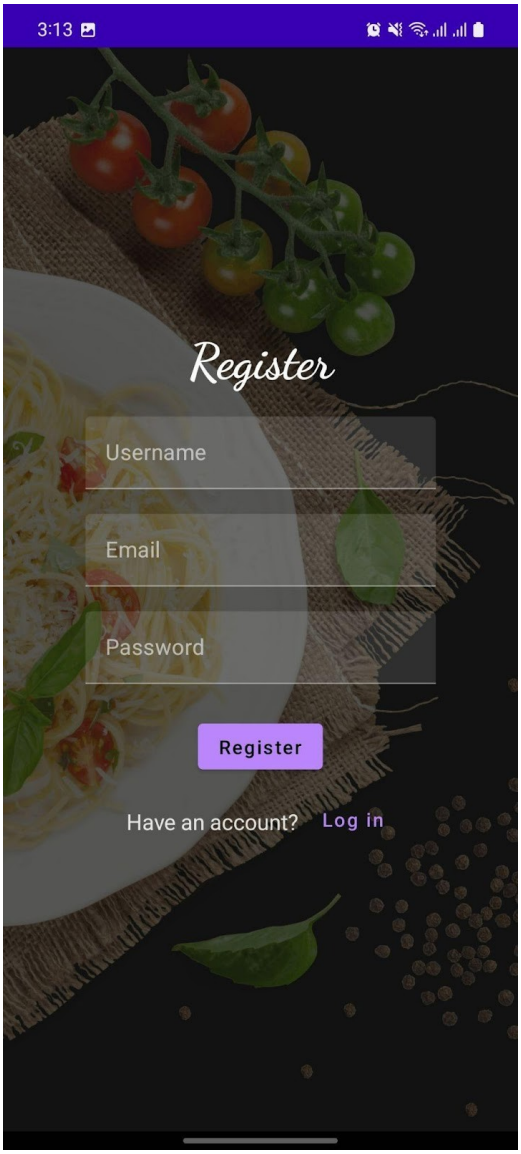


3. RESULT

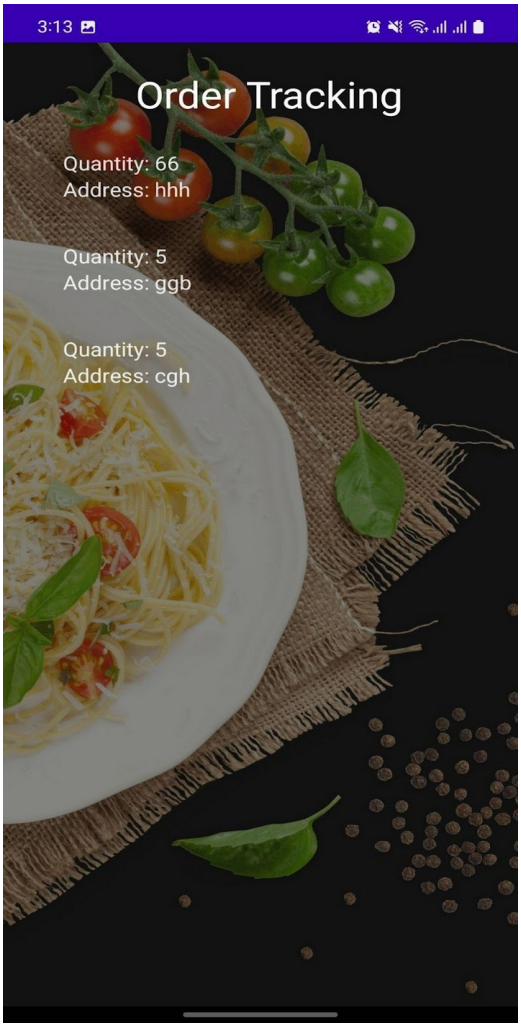
Login Page:



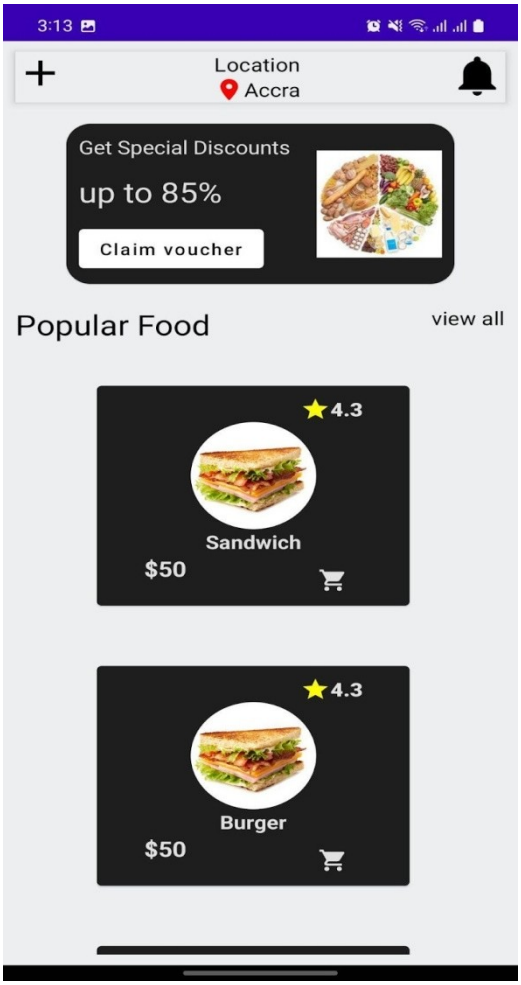
Register Page:


3:13
Register
Username
Email
Password
Register
Have an account?
Log in

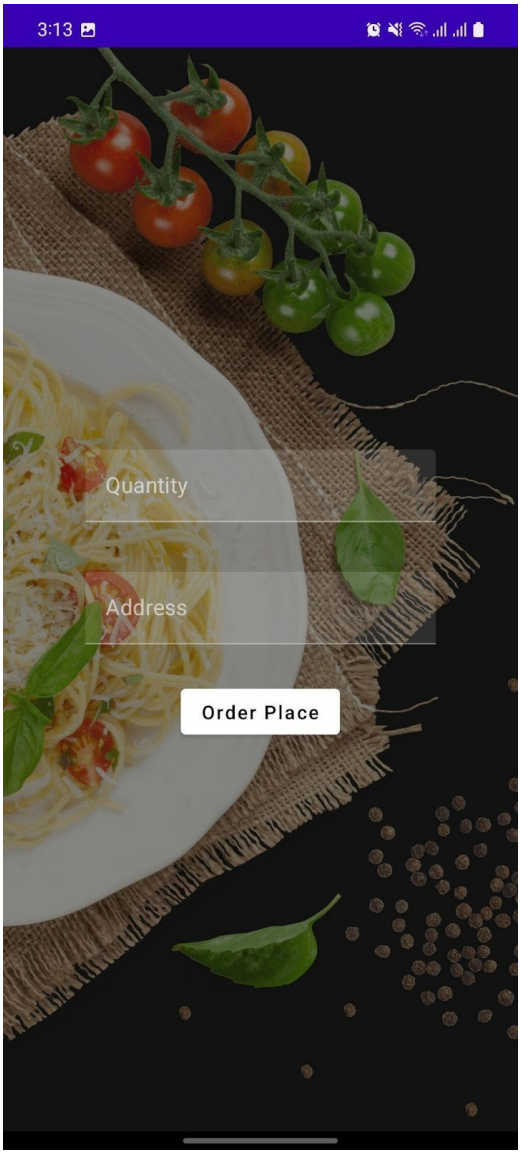
Admin Page:


3:13
Order Tracking
Quantity: 66
Address: hhh
Quantity: 5
Address: ggb
Quantity: 5
Address: cgh

Main Page:


3:13
Location
Accra
Get Special Discounts
up to 85%
Claim voucher
Popular Food
view all
4.3
Sandwich
$50
4.3
Burger
$50

Order Page:



4. ADVANTAGES & DISADVANTAGES

ADVANTAGES:

1. Snack squad allows users to customize their snack orders according to their preferences, dietary restrictions and budget.
2. A snack squad users can easily order snacks from their smartphones or computer and have them delivered to their doorsteps, making it a convenient option for people who are too busy to go out and shop.

3. Snack squad offers timely delivery of snacks, ensuring that users receive their orders on time and without any delay.
4. Snack squad has a user-friendly interface that is easy to navigate, making it easy for users to place orders and track their deliveries.

DISADVANTAGES:

1. Snack squad may charge delivery fees, which can add up and make the overall cost of the snacks more expensive.
2. Like any app, snack squad may experience technical issues, such as app crashes or slow loading times, which can frustrate users and impact their experience.
3. Snack squad may rely on third-party delivery services, which can lead to delay or issues with the delivery process that are outside of the app's control.
4. Snack squad may have limited control over the quality of the snacks that are delivered, which can result in inconsistent quality and user dissatisfaction.

5.APPLICATION

1. Snack squad is a customizable snack ordering and delivery app that allows users to order their favorite snacks from the comfort of their homes or office.

2. The application is available for download on smartphones and computers and offers a wide variety of snacks options to choose from, including healthy snacks.

3. To use the application open the app and users can browse through a wide selection of snacks, customize their orders, and have them delivered to their location in a timely manner.

6. CONCLUSION

* In conclusion, the snack squad app is a convenient and customizable solution for snack ordering and delivery. With its user-friendly interface, users can

easily browse and select snacks from a wide range of option, customize their orders based on their preferences, and track their deliveries in real-time. The app's integration with local snack vendors also provides users with a variety of snack option from different cultures and cuisines.

* Overall, the snack squad app offers a unique and personalized experience for snack lovers, the snack squad app becomes a popular choice for snack lovers everywhere.

7. FUTURE SCOPE:

At present, the increasing demand for snacks, as they are convenient and flavourful, represents one of the primary factors influencing the market positively in India.

- Besides this, the rising popularity of various convenient food products among working individuals, as they save time and do not require the hassle of cooking, is propelling the growth of the market.
- In addition, the growing consumption of various snacks with ethnic tastes is offering a favourable market outlook in the country.
- Apart from this, the increasing number of e-commerce brands and distribution channels selling low-calorie, sugar-free, preservative-free, and gluten-free snacks with interesting flavour's is contributing to the growth of the market.

8.APPENDIX:

ADDING REQUIRED DEPENDENCIES

Gradle scripts > build.gradle(Module :app)

```
dependencies {
implementation 'androidx.core:core-ktx:1.7.0'
implementation 'androidx.lifecycle:lifecycle-runtime-ktx:2.3.1'
implementation 'androidx.activity:activity-compose:1.3.1' implementation
"androidx.compose.ui:ui:$compose_ui_version"
implementation "androidx.compose.ui:ui-tooling-preview:$compose_ui_version"
implementation 'androidx.compose.material:material:1.2.0'
implementation 'androidx.room:room-common:2.5.0'
implementation 'androidx.room:room-ktx:2.5.0'
testImplementation 'junit:junit:4.13.2'
androidTestImplementation 'androidx.test.ext:junit:1.1.5'
androidTestImplementation 'androidx.test.espresso:espresso-core:3.5.1'
androidTestImplementation "androidx.compose.ui:ui-test-
junit4:$compose_ui_version"
debugImplementation "androidx.compose.ui:ui-tooling:$compose_ui_version"
debugImplementation "androidx.compose.ui:ui-test-manifest:$compose_ui_version"
}
```

CREATE USER DATA CLASS

```
package com.example.snackordering
import androidx.room.ColumnInfo
import androidx.room.Entity
import androidx.room.PrimaryKey
@Entity(tableName = "user_table")
data class User(
@PrimaryKey(autoGenerate = true) val id: Int?,
@ColumnInfo(name = "first_name") val firstName: String?,
@ColumnInfo(name = "last_name") val lastName: String?,
@ColumnInfo(name = "email") val email: String?,
@ColumnInfo(name = "password") val password: String?,
)
```

CREATE AN USERDAO INTERFACE

```
package com.example.snackordering

import androidx.room.*

@Dao
interface UserDao {

@Query("SELECT * FROM user_table WHERE email = :email")
suspend fun getUserByEmail(email: String): User?

@Insert(onConflict = OnConflictStrategy.REPLACE)
suspend fun insertUser(user: User)

@Update
suspend fun updateUser(user: User)

@Delete
suspend fun deleteUser(user: User)
}
```

CREATE AN USERDATABASE CLASS

```
package  com.example.snackordering

import   android.content.Context
import  androidx.room.Database
import androidx.room.Room
import androidx.room.RoomDatabase

@Database(entities = [User::class], version = 1)
abstract class UserDatabase : RoomDatabase() {

abstract fun userDao(): UserDao
companion object {
@Volatile
private var instance: UserDatabase? = null

fun getDatabase(context: Context): UserDatabase {
return instance ?: synchronized(this) {
val newInstance = Room.databaseBuilder(
context.applicationContext,
UserDatabase::class.java,
"user_database"
).build()
instance = newInstance
newInstance
}
}
}
}
```

CREATE AN USERDATABASEHELPER CLASS

```
import android.annotation.SuppressLint
import android.content.ContentValues
import android.content.Context
import  android.database.Cursor
import android.database.sqlite.SQLiteDatabase
import android.database.sqlite.SQLiteOpenHelper

class UserDatabaseHelper(context: Context) :
SQLiteOpenHelper(context, DATABASE_NAME, null, DATABASE_VERSION) {

companion object {
private const val DATABASE_VERSION = 1
private const val DATABASE_NAME = "UserDatabase.db"

private const val TABLE_NAME = "user_table"
private const val COLUMN_ID = "id"
private const val COLUMN_FIRST_NAME = "first_name"
private const val COLUMN_LAST_NAME = "last_name"
private const val COLUMN_EMAIL = "email"
private const val COLUMN_PASSWORD = "password"
}

override fun onCreate(db: SQLiteDatabase?) {
val createTable = "CREATE TABLE $TABLE_NAME (" +
"$COLUMN_ID INTEGER PRIMARY KEY AUTOINCREMENT, " +
"$COLUMN_FIRST_NAME TEXT, " +
"$COLUMN_LAST_NAME TEXT, " +
"$COLUMN_EMAIL TEXT, " +
"$COLUMN_PASSWORD  TEXT"  +
")"
```

```
db?.execSQL(createTable)
}

override fun onUpgrade(db: SQLiteDatabase?, oldVersion: Int, newVersion: Int) {
db?.execSQL("DROP TABLE IF EXISTS $TABLE_NAME")
onCreate(db)
}

fun insertUser(user: User) {
val db = writableDatabase
val values = ContentValues()
values.put(COLUMN_FIRST_NAME, user.firstName)
values.put(COLUMN_LAST_NAME, user.lastName)
values.put(COLUMN_EMAIL, user.email)
values.put(COLUMN_PASSWORD, user.password)
db.insert(TABLE_NAME, null, values)
db.close()
}

@SuppressLint("Range")
fun getUserByUsername(username: String): User? {
val db = readableDatabase
val cursor: Cursor = db.rawQuery("SELECT * FROM $TABLE_NAME WHERE
$COLUMN_FIRST_NAME = ?", arrayOf(username))
var user: User? = null
if (cursor.moveToFirst()) {
user = User(
id = cursor.getInt(cursor.getColumnIndex(COLUMN_ID)),
firstName = cursor.getString(cursor.getColumnIndex(COLUMN_FIRST_NAME)),
lastName = cursor.getString(cursor.getColumnIndex(COLUMN_LAST_NAME)),
email = cursor.getString(cursor.getColumnIndex(COLUMN_EMAIL)),
```

```
password = cursor.getString(cursor.getColumnIndex(COLUMN_PASSWORD)),
)
}
cursor.close()
db.close()
return user
}
@SuppressLint("Range")
fun getUserById(id: Int): User? {
val db = readableDatabase
val cursor: Cursor = db.rawQuery("SELECT * FROM $TABLE_NAME WHERE $COLUMN_ID = ?", arrayOf(id.toString()))
var user: User? = null
if (cursor.moveToFirst()) {
user = User(
id = cursor.getInt(cursor.getColumnIndex(COLUMN_ID)),
firstName = cursor.getString(cursor.getColumnIndex(COLUMN_FIRST_NAME)),
lastName = cursor.getString(cursor.getColumnIndex(COLUMN_LAST_NAME)),
email = cursor.getString(cursor.getColumnIndex(COLUMN_EMAIL)),
password = cursor.getString(cursor.getColumnIndex(COLUMN_PASSWORD)),
)
}
cursor.close()
db.close()
return user
}

@SuppressLint("Range")
fun getAllUsers(): List<User> {
val users = mutableListOf<User>()
val db = readableDatabase
val cursor: Cursor = db.rawQuery("SELECT * FROM $TABLE_NAME", null)
```

```
if (cursor.moveToFirst()) {
do {
val user = User(
id = cursor.getInt(cursor.getColumnIndex(COLUMN_ID)),
firstName = cursor.getString(cursor.getColumnIndex(COLUMN_FIRST_NAME)),
lastName = cursor.getString(cursor.getColumnIndex(COLUMN_LAST_NAME)),
email = cursor.getString(cursor.getColumnIndex(COLUMN_EMAIL)),
password = cursor.getString(cursor.getColumnIndex(COLUMN_PASSWORD)),
)
users.add(user)
} while (cursor.moveToNext())
}
cursor.close()
db.close()
return users
}
}

private var instance: UserDatabase? = null
fun getDatabase(context: Context): UserDatabase {
return instance ?: synchronized(this) {
val newInstance = Room.databaseBuilder(
context.applicationContext,
UserDatabase::class.java,
"user_database"
).build()
instance = newInstance
newInstance
}
}
}
}
```

CREATE ORDER DATA CLASS

```
package com.example.snackordering

import androidx.room.ColumnInfo
import androidx.room.Entity
import androidx.room.PrimaryKey

@Entity(tableName = "order_table")
data class Order(
@PrimaryKey(autoGenerate = true) val id: Int?,
@ColumnInfo(name = "quantity") val quantity: String?,
@ColumnInfo(name = "address") val address: String?,
)
```

CREATE ORDERDATABASE CLASS

```
package com.example.snackordering

import android.content.Context
import androidx.room.Database
import androidx.room.Room
import androidx.room.RoomDatabase

@Database(entities = [Order::class], version = 1)
abstract class OrderDatabase : RoomDatabase() {

abstract fun orderDao(): OrderDao

companion object {
```

```
@Volatile
private var instance: OrderDatabase? = null


fun getDatabase(context: Context): OrderDatabase {
return instance ?: synchronized(this) {
val newInstance = Room.databaseBuilder(
context.applicationContext,
OrderDatabase::class.java,
"order_database"
).build()
instance = newInstance
newInstance
}
}
}
}
```

CREATE ORDERDATABASEHELPER CLASS

```
package com.example.snackordering

import android.annotation.SuppressLint
import android.content.ContentValues
import android.content.Context
import  android.database.Cursor
import android.database.sqlite.SQLiteDatabase
import android.database.sqlite.SQLiteOpenHelper

class OrderDatabaseHelper(context: Context) :
SQLiteOpenHelper(context, DATABASE_NAME, null,DATABASE_VERSION){

companion object {
private const val DATABASE_VERSION = 1
private const val DATABASE_NAME = "OrderDatabase.db"

private const val TABLE_NAME = "order_table"
private const val COLUMN_ID = "id"
private const val COLUMN_QUANTITY = "quantity"
```

```
private const val COLUMN_ADDRESS = "address"
}

override fun onCreate(db: SQLiteDatabase?) {
val createTable = "CREATE TABLE $TABLE_NAME (" + "$
{COLUMN_ID} INTEGER PRIMARY KEY AUTOINCREMENT, " +
"${COLUMN_QUANTITY} Text, " +
"${COLUMN_ADDRESS} TEXT " +
")"

db?.execSQL(createTable)
}

override fun onUpgrade(db: SQLiteDatabase?, oldVersion: Int, newVersion: Int) {
db?.execSQL("DROP TABLE IF EXISTS $TABLE_NAME")
onCreate(db)
}

fun insertOrder(order: Order) {
val db = writableDatabase
val values = ContentValues()
values.put(COLUMN_QUANTITY, order.quantity)
values.put(COLUMN_ADDRESS, order.address)
db.insert(TABLE_NAME, null, values)
db.close()
}



@SuppressLint("Range")
fun getOrderByQuantity(quantity: String): Order? {
val db = readableDatabase
val cursor: Cursor = db.rawQuery("SELECT * FROM $TABLE_NAME WHERE
$COLUMN_QUANTITY = ?", arrayOf(quantity))
var order: Order? = null
if (cursor.moveToFirst()) {
order = Order(
id = cursor.getInt(cursor.getColumnIndex(COLUMN_ID)),
quantity = cursor.getString(cursor.getColumnIndex(COLUMN_QUANTITY)),
address = cursor.getString(cursor.getColumnIndex(COLUMN_ADDRESS)),
)
}
cursor.close()
db.close()
return order
}
@SuppressLint("Range")
fun getOrderById(id: Int): Order? {
val db = readableDatabase
```

```
val cursor: Cursor = db.rawQuery("SELECT * FROM $TABLE_NAME WHERE
$COLUMN_ID = ?", arrayOf(id.toString()))
var order: Order? = null
if (cursor.moveToFirst()) {
order = Order(
id = cursor.getInt(cursor.getColumnIndex(COLUMN_ID)),
quantity = cursor.getString(cursor.getColumnIndex(COLUMN_QUANTITY)),
address = cursor.getString(cursor.getColumnIndex(COLUMN_ADDRESS)),
)
}
cursor.close()
db.close()
return order
}

@SuppressLint("Range")
fun getAllOrders(): List<Order> {
val orders = mutableListOf<Order>()
val db = readableDatabase
val cursor: Cursor = db.rawQuery("SELECT * FROM $TABLE_NAME", null)
if (cursor.moveToFirst()) {
do {
val order = Order(
id = cursor.getInt(cursor.getColumnIndex(COLUMN_ID)),
quantity = cursor.getString(cursor.getColumnIndex(COLUMN_QUANTITY)),
address = cursor.getString(cursor.getColumnIndex(COLUMN_ADDRESS)),
)
orders.add(order)
} while (cursor.moveToNext())
}
cursor.close()
db.close()
return orders }
}
```

CREATING LOGINACTIVITY.KT WITH DATABASE

```
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.text.input.PasswordVisualTransformation
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 LoginActivity : 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
) {
LoginScreen(this, databaseHelper)
}
}
}
}
```

```
}
@Composable
fun LoginScreen(context: Context, databaseHelper: UserDatabaseHelper) {

Image(painterResource(id = R.drawable.login_screen), contentDescription = "",
alpha =0.3F,
contentScale = ContentScale.FillHeight,

)

var username by remember { mutableStateOf("") }
var password by remember { mutableStateOf("") }
var error by remember { mutableStateOf("") }

Column(
modifier =  Modifier.fillMaxSize(),
horizontalAlignment = Alignment.CenterHorizontally,
verticalArrangement = Arrangement.Center
) {
Text("SNACK SQUAD APP",
fontSize = 40.sp,
fontWeight = FontWeight.Bold,
fontFamily = FontFamily.Monospace,
color = Color.Black
)

Text(
fontSize = 30.sp,
fontWeight = FontWeight.SemiBold,
fontFamily = FontFamily.SansSerif,
color = Color.Black,
text = " LOGIN "
```

```
)
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 = password,
onValueChange = { password = it },
label = { Text("Password") },
visualTransformation= PasswordVisualTransformation(),
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( onClic
k = {
if (username.isNotEmpty() && password.isNotEmpty()) {
val user = databaseHelper.getUserByUsername(username)
```

```
if (user != null && user.password == "admin") {
error = "Admin Successfully log in"
context.startActivity(
Intent(
context,
AdminActivity::class.java
)
)
}
else if (user != null && user.password == password) {
error = "User Successfully log in"
context.startActivity(
Intent(
context,
MainPage::class.java
)
)
}
else {
error = "Invalid username or password"
}

} else {
error = "Please fill all fields"
}
},
modifier = Modifier.padding(top = 16.dp)
) {
Text(text = "Login")
}
Row {
TextButton(onClick = {
```

```
context.startActivity( Inten
t(
context,
MainActivity::class.java
)
)
}
)
{ Text(color = Color.Black, text = "Sign up") }
TextButton(onClick = {
})

{
Spacer(modifier = Modifier.width(60.dp))
Text(color = Color.Black, text = "Forget password?")
}
}
Spacer(modifier = Modifier.width(160.dp))
Text("Designed by",
fontSize = 16.sp,
fontWeight = FontWeight.ExtraBold,
fontFamily = FontFamily.Cursive,
color = Color.Black,
)

Text("KBMS",
fontSize = 16.sp,
fontWeight = FontWeight.ExtraBold,
fontFamily = FontFamily.Cursive,
color = Color.Cyan
)
}
```

```
}

private fun startMainPage(context: Context) {
val intent = Intent(context, MainPage::class.java)
ContextCompat.startActivity(context, intent, null)
}
```

CREATING MAINACTIVITY.KT WITH DATABASE

MainActivity is converted into RegisterActivity.kt as follows below:

```
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.text.input.PasswordVisualTransformation
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.register), 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 = 30.sp,
fontWeight  =  FontWeight.ExtraBold,
fontFamily  =  FontFamily.Monospace,
color = Color.Black,
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") },
visualTransformation= PasswordVisualTransformation(),
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( onClic
k = {
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.java
)
)

} 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( Inten
t(
context,
LoginActivity::class.java
)
)
})
{
Spacer(modifier = Modifier.width(10.dp))
Text(text = "Log in")
}
}
Spacer(modifier = Modifier.width(160.dp))
Text("Designed by",
fontSize = 16.sp,
fontWeight = FontWeight.ExtraBold,
fontFamily = FontFamily.Cursive,
color = Color.Black,
)
Text("KBMS",
fontSize = 16.sp,
fontWeight = FontWeight.ExtraBold,
fontFamily = FontFamily.Cursive,
color = Color.Cyan
)

}
}
private fun startLoginActivity(context: Context) {
val intent = Intent(context, LoginActivity::class.java)
ContextCompat.startActivity(context, intent, null)
}
```

CREATING MAINPAGE.KT FILE

```
package com.example.snackordering

import android.annotation.SuppressLint
import android.content.Context
import android.os.Bundle
import androidx.activity.ComponentActivity
import androidx.activity.compose.setContent
import androidx.annotation.DrawableRes
import androidx.annotation.StringRes
import androidx.compose.foundation.Image
import androidx.compose.foundation.background
import androidx.compose.foundation.layout.*
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.Alignment
import androidx.compose.ui.Modifier
import androidx.compose.ui.draw.clip
import androidx.compose.ui.graphics.Color
import androidx.compose.foundation.lazy.LazyColumn
import androidx.compose.foundation.lazy.items
import androidx.compose.material.Text
import androidx.compose.ui.unit.dp
import androidx.compose.ui.graphics.RectangleShape
import androidx.compose.ui.layout.ContentScale
import androidx.compose.ui.platform.LocalContext
import androidx.compose.ui.res.painterResource
import androidx.compose.ui.res.stringResource
```

```
import androidx.compose.ui.text.font.FontWeight
import androidx.compose.ui.unit.sp
import  com.example.snackordering.ui.theme.SnackOrderingTheme

import android.content.Intent as Intent1


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(RectangleShape)
.size(50.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.Gray,
)
Text(text = "Chennai" , color = Color.Red)
}

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

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

```
}


@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.DarkGray)) {
Text(text = "Claim voucher", color = MaterialTheme.colors.surface)
}
}
Image(
painter = painterResource(id = R.drawable.pasta),
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(RectangleShape)
)
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.burger to R.string.burgers,
R.drawable.pack to R.string.pack,
R.drawable.salad to R.string.salad,
R.drawable.popcorn 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)
}
}
}
```

CREATING TARGETACTIVITY.KT

```
package com.example.snackordering

import android.content.Context
import android.content.Intent
import android.os.Bundle
import android.util.Log
import android.widget.Toast
import androidx.activity.ComponentActivity
import androidx.activity.compose.setContent
import androidx.compose.foundation.Image
import androidx.compose.foundation.background
import androidx.compose.foundation.layout.*
import androidx.compose.foundation.text.KeyboardOptions
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.platform.LocalContext
import androidx.compose.ui.res.painterResource
import androidx.compose.ui.text.input.KeyboardType
import androidx.compose.ui.unit.dp
import androidx.core.content.ContextCompat
import com.example.snackordering.ui.theme.SnackOrderingTheme

class TargetActivity : ComponentActivity() {
private lateinit var orderDatabaseHelper: OrderDatabaseHelper
override fun onCreate(savedInstanceState: Bundle?) {
super.onCreate(savedInstanceState)
orderDatabaseHelper = OrderDatabaseHelper(this)
setContent {
SnackOrderingTheme {
// A surface container using the 'background' color from the theme
Surface(
modifier = Modifier
.fillMaxSize()
.background(Color.White)

) {
Order(this, orderDatabaseHelper)
val orders = orderDatabaseHelper.getAllOrders()
Log.d("kathir", orders.toString())

}
}
}
```

```
}
}

@Composable
fun Order(context: Context, orderDatabaseHelper: OrderDatabaseHelper){
Image(painterResource(id = R.drawable.order), contentDescription = "",
alpha =0.5F,
contentScale = ContentScale.FillHeight)
Column(
horizontalAlignment = Alignment.CenterHorizontally,
verticalArrangement = Arrangement.Center) {

val mContext = LocalContext.current
var quantity by remember { mutableStateOf("") }
var address by remember { mutableStateOf("") }
val error by remember { mutableStateOf("") }


TextField(value = quantity, onValueChange = {quantity=it},
label = { Text("Quantity") },
keyboardOptions = KeyboardOptions(keyboardType = KeyboardType.Number),
modifier = Modifier
.padding(10.dp)
.width(280.dp))

Spacer(modifier = Modifier.padding(10.dp))

TextField(value = address, onValueChange = {address=it},
label = { Text("Address") },
modifier = Modifier
.padding(10.dp)
.width(280.dp))

Spacer(modifier = Modifier.padding(10.dp))


if (error.isNotEmpty()) {
Text(
text = error,
color = MaterialTheme.colors.error,
modifier = Modifier.padding(vertical = 16.dp)
)
}


Button(onClick = {
if( quantity.isNotEmpty() and address.isNotEmpty()){
val order = Order(
id = null,
quantity = quantity,
```

```
address = address
)
orderDatabaseHelper.insertOrder(order)
Toast.makeText(mContext, "Order Placed Successfully",
Toast.LENGTH_SHORT).show()}
},
colors = ButtonDefaults.buttonColors(backgroundColor = Color.White))
{
Text(text = "Order Place", color = Color.Black)
}


}
}

private fun startMainPage(context: Context) {
val intent = Intent(context, LoginActivity::class.java)
ContextCompat.startActivity(context, intent, null)
}
```

CREATING ADMINACTIVITY.KT

```
package com.example.snackordering


import android.os.Bundle
import android.util.Log
import androidx.activity.ComponentActivity
import androidx.activity.compose.setContent
import androidx.compose.foundation.Image
import androidx.compose.foundation.layout.*
import androidx.compose.foundation.lazy.LazyColumn
import androidx.compose.foundation.lazy.LazyRow
import androidx.compose.foundation.lazy.items
import androidx.compose.material.MaterialTheme
import androidx.compose.material.Surface
import androidx.compose.material.Text
import androidx.compose.runtime.Composable
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.unit.dp
import androidx.compose.ui.unit.sp
import com.example.snackordering.ui.theme.SnackOrderingTheme

class AdminActivity : ComponentActivity() {
private lateinit var orderDatabaseHelper: OrderDatabaseHelper
override fun onCreate(savedInstanceState: Bundle?) {
super.onCreate(savedInstanceState)
orderDatabaseHelper = OrderDatabaseHelper(this)
setContent {
SnackOrderingTheme {
// A surface container using the 'background' color from the theme
Surface(
modifier = Modifier.fillMaxSize(),
color = MaterialTheme.colors.background
) {
val data=orderDatabaseHelper.getAllOrders()
Log.d("kathir" ,data.toString())
val order = orderDatabaseHelper.getAllOrders()
ListListScopeSample(order)
}
}
}
}
}

@Composable
fun ListListScopeSample(order: List<Order>) {
Image(
```

```
painterResource(id = R.drawable.order1), contentDescription = "",
alpha =0.5F,
contentScale = ContentScale.FillHeight)
Text(text = "Order Tracking", modifier = Modifier.padding(top = 24.dp, start =
106.dp, bottom = 24.dp ), color = Color.White, fontSize = 30.sp)
Spacer(modifier = Modifier.height(30.dp))
LazyRow(
modifier = Modifier
.fillMaxSize()
.padding(top = 80.dp),

horizontalArrangement = Arrangement.SpaceBetween
){
item {

LazyColumn {
items(order) { order ->
Column(modifier = Modifier.padding(top = 16.dp, start = 48.dp, bottom = 20.dp)) {
Text("Quantity: ${order.quantity}")
Text("Address: ${order.address}")
}
}
}
}

}
}
```

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