

Descriptive Form of Snack Ordering App

Code:

```
class SnackItem {  
    final String name;  
    final double price;  
  
    SnackItem({required this.name, required this.price});  
}
```

Explanation:

1. **Immutable Properties:**

- a. The name and price properties are declared as `final`, meaning their values can only be set once through the constructor and cannot be changed later.

2. **Constructor with Required Parameters:**

- a. The `SnackItem` constructor ensures that both name and price must be provided when creating an instance.
- b. The `required` keyword enforces that these values are not optional.

Code:

```
final List<SnackItem> allSnacks = [  
    SnackItem(name: 'Chocolate Bar', price: 1.50),  
    SnackItem(name: 'Potato Chips', price: 2.00),  
    SnackItem(name: 'Gummy Bears', price: 1.25),  
    SnackItem(name: 'Pretzels', price: 1.75),  
];
```

Explanation:

1. **Immutable Reference:**

- a. The `final` keyword ensures that the reference (memory address) of `allSnacks` cannot be changed.
- b. However, the contents (elements) of the list can be modified (i.e., adding or removing snacks is allowed).

2. **List of Multiple `SnackItem` Objects:**

- a. Each `SnackItem` in the list represents a snack with a name and price.
- b. This allows easy management of snack items in applications.

Code:

```
List<SnackItem> cart = [];  
void main() {  
  runApp(MyApp());  
}
```

Explanation:

1. Global List for Cart:

- a. The cart list starts as an empty list.
- b. When the user adds a snack to the cart, it updates dynamically.

2. Managing Snack Purchases:

- a. This list helps keep track of selected snack items in a shopping cart for a food ordering app.

- **Dart Entry Point:**

- The `main()` function is the starting point of every Dart program.
- It executes when the app starts.

- **Flutter Initialization:**

- `runApp(MyApp())`; initializes Flutter and runs the `MyApp` widget.
- `MyApp` will be the root widget that defines the main UI of the application.

Code:

```
class GradientBackground extends StatelessWidget {  
  final Widget child;  
  const GradientBackground({Key? key, required this.child}) : super(key: key);  
  
  @override  
  Widget build(BuildContext context) {  
    return Container(  
      decoration: BoxDecoration(  
        gradient: LinearGradient(  
          colors: [Colors.blue, Colors.yellowAccent],  
          begin: Alignment.topLeft,  
          end: Alignment.bottomRight,  
        ),  
      ),  
    ),  
  ),  
}
```

Explanation:

1. Custom Widget for Gradient Background:

- a. The GradientBackground widget creates a background with a smooth color transition.
 - b. It extends StatelessWidget, meaning it does not hold any mutable state.
 2. **Final child Widget:**
 - a. The child property is required and cannot be changed after assignment.
 - b. This allows flexible usage, as any widget (Text, Button, Image, etc.) can be passed as the child.
 3. **Performance Optimization with const Constructor:**
 - a. Using const allows Flutter to reuse the same instance if properties remain unchanged, improving performance.
- **Container:**
 - A versatile widget used for styling, padding, margin, and background customization.
 - **BoxDecoration:**
 - Defines the appearance of the container, including its gradient background.
 - **LinearGradient:**
 - Creates a smooth color transition from blue to yellowAccent.
 - begin: Alignment.topLeft and end: Alignment.bottomRight define the gradient direction.

Code:

```
child: SafeArea(  
  child: Padding(  
    padding: const EdgeInsets.all(16.0),  
    child: child,  
  ),  
),  
);  
}
```

Explanation:

1. **SafeArea Widget:**
 - a. Ensures UI elements do not overlap with system overlays like notches, status bars, or navigation buttons.
 - b. Especially useful for devices with cutouts (e.g., iPhones, Android navigation bars).
2. **Padding Widget:**

- a. Adds uniform space (16px) around the child widget.
- b. Improves readability and ensures elements are not too close to screen edges.

3. Hierarchical Structure:

- a. Container → SafeArea → Padding → child
- b. This structure ensures proper background styling, safe UI positioning, and spacing.

Code:

```
class MyApp extends StatelessWidget {  
  @override  
  Widget build(BuildContext context) {  
    return MaterialApp(  
      title: 'Order My Snacks',  
      theme: ThemeData(  
        primarySwatch: Colors.blue,  
        // Make app bar a bit more distinct  
        appBarTheme: AppBarTheme(  
          color: Colors.blue.shade800,  
          foregroundColor: Colors.white, // Text color on the AppBar  
        ),  
      ),  
    );  
  }  
}
```

Explanation:

1. MaterialApp Widget:

- a. The core widget that provides Material Design styling, navigation, and themes.
- b. Wraps the entire application and manages settings like title and theme.

2. title: 'Order My Snacks':

- a. Defines the app's name, which appears in the Android task switcher or browser tab.

3. theme: ThemeData(...):

- a. Sets the app's overall styling, including colors and text styles.

4. primarySwatch: Colors.blue:

- a. Generates different shades of blue for UI elements like buttons and highlights.

5. appBarTheme: AppBarTheme(...):

- a. Defines the default style for all AppBar widgets.
- b. color: Colors.blue.shade800: Sets a dark blue background for the AppBar.

- c. `foregroundColor: Colors.white`: Ensures AppBar text and icons appear in white.
6. **home: `SnackListScreen()`:**
- a. Specifies the first screen that will be displayed when the app launches.

Code:

```
elevatedButtonTheme: ElevatedButtonThemeData(  
  style: ElevatedButton.styleFrom(  
    backgroundColor: Colors.yellow.shade700,  
    foregroundColor: Colors.black, // Text color  
  ),  
)  
)
```

Explanation:

1. **`ElevatedButtonThemeData`:**
 - a. Defines a global default style for `ElevatedButton` widgets.
 - b. Avoids the need to style each button manually.
2. **`ElevatedButton.styleFrom(...)`:**
 - a. A helper method to customize button appearance.
 - b. Used to set background color, text style, padding, and shape.
3. **Customization Details:**
 - a. **`backgroundColor: Colors.yellow.shade700`** → Dark yellow background.
 - b. **`foregroundColor: Colors.black`** → Black text and icon color.
 - c. **`padding: EdgeInsets.symmetric(horizontal: 20, vertical: 12)`** → Ensures spacing inside the button.
 - d. **`textStyle: TextStyle(fontSize: 16, fontWeight: FontWeight.bold)`** → Makes the text readable and bold.
 - e. **`shape: RoundedRectangleBorder(borderRadius: BorderRadius.circular(8))`** → Gives the button smooth rounded corners.

Code:

```
initialRoute: '/',  
routes: {  
  '/': (context) => HomeScreen(),  
}
```

```

    '/snacks': (context) => SnackListScreen(),
    '/cart': (context) => CartScreen(),
    '/checkout': (context) => CheckoutScreen(),
    '/confirmation': (context) => ConfirmationScreen(),
  },
);
}
}

```

Explanation:

The main purpose of `initialRoute` and `routes` is to **manage navigation** efficiently in a Flutter app using **named routes**. Instead of writing long `Navigator.push()` statements with direct widget references, we define routes centrally, making navigation easier to handle.

Code:

```

class HomeScreen extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(
        title: Text('Order My Snacks'),
        centerTitle: true,
      ),
    ),
  ),
}

```

Explanation:

`HomeScreen` is the **main entry point** of the snack ordering app. It provides a structured UI and allows users to navigate to different sections like snacks list, cart, and checkout.

1. 🏠 **Acts as the Main Screen**
 - a. This is the first screen users see when they open the app.
2. 📌 **Provides a Standard Layout (Scaffold)**
 - a. Uses `Scaffold`, which includes an `AppBar`, `Body`, and other UI components.
3. 📄 **Displays an AppBar with a Title**
 - a. `AppBar(title: Text('Order My Snacks'))` → Shows the title at the top.
 - b. `centerTitle: true` → Ensures the title is **centered** for a balanced look.
4. 🔄 **Supports Easy Navigation**
 - a. Users can move to the **snack list, cart, or checkout** using buttons or menus.

5. 🎨 Enhances UI & UX

- a. Provides a **clean, structured layout** for better readability.
- b. Ensures a smooth and intuitive user experience.

Code:

```
body: GradientBackground(  
  child: Center(  
    child: Column(  
      mainAxisAlignment: MainAxisAlignment.center,  
      children: [
```

Explanation:

- **GradientBackground** → Sets a gradient background for the screen.
- **Center** → Aligns content at the center of the screen.
- **Column** → Arranges widgets in a vertical order.
- **MainAxisAlignment.center** → Ensures widgets are vertically centered.
- **MainAxisAlignment.center** → Ensures widgets are vertically centered.

Code:

```
GestureDetector(  
  onTap: () {
```

Explanation:

- 1 GestureDetector** → Detects gestures like taps, swipes, and long presses.
- 2 onTap** → Executes a function when the widget is tapped.
- 3 Used for making any widget interactive** without needing a Button widget.

Code:

```
ScaffoldMessenger.of(context).showSnackBar(  
  SnackBar(content: Text('You tapped the image!')),  
);  
},  
child: Container(  
  margin: EdgeInsets.all(16.0),  
  width: 150,  
  height: 150,
```

--

- Explanation:**
- ScaffoldMessenger Flutter ka ek built-in widget hai jo **Snackbar** dikhane ke liye use hota hai.
 - `showSnackBar(...)` method Snackbar ko **screen ke neeche** show karta hai.
 - Snackbar ek **temporary popup message** hota hai jo kuch seconds ke liye appear hota hai aur phir automatically hide ho jata hai.

Code: _____

```
decoration: BoxDecoration(
    color: Colors.blue.withOpacity(0.2),
    shape: BoxShape.circle,
  ),
  child: Icon(Icons.fastfood, size: 64, color: Colors.black87),
),
),
),
),
),
),
),
),
),
),
);
}
}
```

- **Explanation:**

Box Decoration & Icon

- BoxDecoration ek container ka **background style** define karta hai.
- color: Colors.blue.withOpacity(0.2) ek **light blue transparent color** deta hai.
- shape: BoxShape.circle se **container ka shape gol (circular)** ho jata hai.
- Icon(Icons.fastfood, size: 64, color: Colors.black87) ek **fast food icon** show kar raha hai.

Purpose:

- **Stylish UI elements banane ke liye:** Circular shapes aur transparency visually appealing lagti hai.
- **Icons user interface ko enhance karte hain:** Yeh fast food icon ek **menu ya order-related section** represent kar sakta hai.

SizedBox & ElevatedButton

Use:

- `SizedBox(height: 10)` ek **gap (spacing)** provide karta hai **Icon aur Button** ke darmiyan.
- `ElevatedButton` ek **interactive button** hai jo click hone par **new screen** pe navigate karega.
- `Navigator.pushNamed(context, '/snacks');` se user **'/snacks' page** pe redirect ho jata hai.

Purpose:

- **Proper spacing se UI readable aur clean lagti hai.**
- **Button ek call-to-action deta hai, jisme user ko next step (ordering start karna) suggest kiya jata hai.**

Code:

```
class SnackBarScreen extends StatefulWidget {
  @override
  _SnackBarScreenState createState() => _SnackBarScreenState();
}
class _SnackBarScreenState extends State<SnackBarScreen> {
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(
        title: Text('Choose Your Snacks'),
        centerTitle: true,
        actions: [
          // Cart button on top-right
          IconButton(
            icon: Icon(Icons.shopping_cart),
            onPressed: () {
```


- AppBar ka **title "Choose Your Snacks"** hai aur **top-right corner** pe **cart button** diya gaya hai.
- `IconButton(Icons.shopping_cart)` cart button show karega, jo `Navigator.pushNamed(context, '/cart');` call karke **cart screen open** karega.

Purpose:

- **User ko guide karna:** Title se user ko samajh aata hai ke yeh snacks selection page hai.
- **Cart button ek shortcut hai:** Jo user ko directly cart screen pe le jata hai.

GradientBackground, ListView & Card

Use:

- GradientBackground ek **custom widget** lag raha hai jo **background me gradient color** provide karta hai.
- `ListView.builder` ek **scrollable list** banata hai, jo `allSnacks.length` ke hisaab se items generate karta hai.
- Card widget har snack ke liye **white background (80% opacity)** aur **padding** provide karta hai.
- `ListTile` ka **title** snack ka naam show karega aur **subtitle** price show karega.

Purpose:

- **Scrollable list** se user easily snacks dekh sakta hai.
- **Cards UI** ko structured aur readable banate hain.

ElevatedButton (Add to Cart) & SnackBar

Use:

- ElevatedButton ka label "Add" hai, jo click hone pe snack cart me add karega.
- `setState()` UI update karega taake cart ka data refresh ho.

- `ScaffoldMessenger.of(context).showSnackBar(...)` ek snackbar dikhayega jo **confirm** karega ki **snack cart** me **add** ho gaya hai.

Purpose:

- User ko cart me items add karne ki facility milti hai.
- Snackbar se instant feedback milta hai.

Code:

```
class CartScreen extends StatefulWidget {
  @override
  _CartScreenState createState() => _CartScreenState();
}
class _CartScreenState extends State<CartScreen> {
  double get totalPrice {
    double total = 0;
    for (var item in cart) {
      total += item.price;
    }
    return total;
  }

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(
        title: Text('Your Cart'),
        centerTitle: true,
      ),
      body: GradientBackground(
        child: cart.isEmpty
          ? Center(
              child: Text(
                'Your cart is empty.',
                style: TextStyle(fontSize: 18, fontWeight: FontWeight.bold),
              ),
            ),
        : Column(
            crossAxisAlignment: CrossAxisAlignment.start,
            children: [
              Expanded(
                child: ListView.builder(
                  itemCount: cart.length,
                  itemBuilder: (context, index) {
                    final snack = cart[index];
                    return Card(
                      color: Colors.white.withOpacity(0.8),
                      child: ListTile(
                        title: Text(snack.name),
                        subtitle:
```

```

        Text('\${snack.price.toStringAsFixed(2)}'),
      ),
    );
  },
),
),
Divider(
  color: Colors.black,
  thickness: 1,
),
Padding(
  padding: EdgeInsets.symmetric(vertical: 8),
  child: Text(
    'Total: \${totalPrice.toStringAsFixed(2)}',
    style:
      TextStyle(fontSize: 18, fontWeight: FontWeight.bold),
  ),
),
Center(
  child: ElevatedButton(
    child: Text('Proceed to Checkout'),
    onPressed: () {
      Navigator.pushNamed(context, '/checkout');
    },
  ),
),
),
],
),
);
}
}

```

- **Explanation:**

CartScreen (Stateful Widget & AppBar)

Use:

- CartScreen ek **stateful widget** hai, jo UI ko dynamically update karta hai (e.g., items add/remove hone pe total price change hoga).
- createState() ek **state object (_CartScreenState)** return karta hai, jo cart ka data handle karega.
- AppBar ka **title "Your Cart"** hai aur centerTitle: true se **title center me dikhai dega**.

Purpose:

- Cart ka content dynamically update hota hai.
- User ko cart ka proper overview milta hai.

Total Price Calculation

Use:

- totalPrice getter function **cart ke har item ka price total** karega.
- Yeh **loop chala kar har item ka price add** karta hai aur **latest total price return** karega.

Purpose:

- Cart ka updated total price show karne ke liye.
- Screen rebuild hone pe latest price calculate ho.

GradientBackground & Empty Cart Message

Use:

- GradientBackground ek **custom widget** hai jo **gradient background** provide karta hai.
- `cart.isEmpty` check karega agar cart me items nahi hain, to **"Your cart is empty."** message show karega.

Purpose:

- Agar cart khali hai, to user ko clear indication mile.
- Better user experience ke liye center me message show ho.

ListView & Card for Cart Items

Use:

- `ListView.builder` ek **scrollable list** banata hai, jo `cart.length` ke hisaab se items generate karta hai.
- Card widget har snack ke liye **white background (80% opacity)** aur **padding** provide karta hai.
- `ListTile` ka **title** snack ka naam show karega aur **subtitle** price show karega.

Purpose:

- **Scrollable list** se user easily apne cart items dekh sakta hai.
- **Cards UI** ko structured aur readable banate hain.

Divider, Total Price & Checkout Button

Use:

- `Divider(color: Colors.black, thickness: 1)` **cart items aur total price** ko **visually separate** karega.
- `Text('Total: \${totalPrice.toStringAsFixed(2)}')` **total cart price** show karega.
- `ElevatedButton('Proceed to Checkout')` user ko **checkout screen** par le jayega.

Purpose:

- **Clear UI separation** ke liye divider.
- User ko **total price dekhne** aur **checkout process start** karne ki facility mile.

Code:

```
class CheckoutScreen extends StatefulWidget {  
  @override  
  _CheckoutScreenState createState() => _CheckoutScreenState();  
}  
class _CheckoutScreenState extends State<CheckoutScreen> {  
  final _formKey = GlobalKey<FormState>();  
}
```

```

String _name = '';
String _address = '';
String _phone = '';

@override
Widget build(BuildContext context) {
  return Scaffold(
    appBar: AppBar(
      title: Text('Checkout'),
      centerTitle: true,
    ),
    body: GradientBackground(
      child: SingleChildScrollView(
        child: Form(
          key: _formKey, // For validation
          child: Column(
            crossAxisAlignment: CrossAxisAlignment.start,
            children: [
              _buildTitle('Full Name'),
              TextFormField(
                decoration: InputDecoration(
                  filled: true,
                  fillColor: Colors.white.withOpacity(0.8),
                  hintText: 'Enter your name',
                ),
                validator: (value) {
                  if (value == null || value.trim().isEmpty) {
                    return 'Name is required';
                  }
                  return null;
                },
                onSave: (value) => _name = value!.trim(),
              ),
              SizedBox(height: 16),
              _buildTitle('Address'),
              TextFormField(
                decoration: InputDecoration(
                  filled: true,
                  fillColor: Colors.white.withOpacity(0.8),
                  hintText: 'Enter your address',
                ),
                validator: (value) {
                  if (value == null || value.trim().isEmpty) {
                    return 'Address is required';
                  }
                  return null;
                },
                onSave: (value) => _address = value!.trim(),
              ),
              SizedBox(height: 16),
              _buildTitle('Phone Number'),
              TextFormField(
                decoration: InputDecoration(
                  filled: true,
                  fillColor: Colors.white.withOpacity(0.8),
                  hintText: 'Enter phone number',
                ),

```


CheckoutScreen (Stateful Widget & AppBar)

Use:

- CheckoutScreen ek **stateful widget** hai, jo user ka input dynamically store aur update karega.
- createState() ek **state object** (**_CheckoutScreenState**) return karta hai, jo form ka data handle karega.
- AppBar ka **title "Checkout"** hai aur centerTitle: true se **title center me dikhai dega**.

Purpose:

- **User ke checkout details ko store aur validate karna.**
- **Proper UI structure ke sath ek interactive form provide karna.**

Form Key & User Input Variables

Use:

- **_formKey = GlobalKey<FormState>() form ka state manage karega (validation ke liye zaroori).**
- **_name, _address, _phone user ka data temporarily store karenge.**

Purpose:

- **Form validation aur state management ke liye essential.**
- **User input ko process aur store karne ke liye.**

GradientBackground & Scrollable Form

Use:

- GradientBackground ek **custom widget** hai jo **gradient background** provide karega.
- SingleChildScrollView ensure karega ke **form scrollable ho, taake chhoti screen pe bhi dikh sake.**

- `Form(_formKey)` **validation aur state saving enable karega.**

Purpose:

- **Better UI design ke liye gradient background.**
- **Chhoti screens pe scrolling allow karna taake form cut na ho.**
- **Validation aur form state management ko easy banana.**

Full Name, Address & Phone Number Fields

Use:

- `_buildTitle('Full Name')` ek **title generate karega (reusable function).**
- `TextFormField` user se **input lega (name, address, phone).**
- `InputDecoration` UI ko **better banayega (filled: true, hintText, transparency).**
- `validator` function input ko **check karega:**
 - **Agar empty hai to error dikhayega.**
 - **Phone number sirf digits accept karega (RegExp validation).**
- `onSaved` function input ko respective variable me **store karega.**

Purpose:

- **Consistent design aur input validation ke liye structured fields.**
- **User experience improve karne ke liye error messages.**
- **Data storage aur processing ensure karna.**

Continue Button (Form Validation & Navigation)

Use:

- `ElevatedButton('Continue')` **center me rakha gaya hai.**
- `onPressed()` event:
 - `_formKey.currentState!.validate()` **form fields validate karega.**
 - `_formKey.currentState!.save()` **valid data ko variables me store karega.**

- `Navigator.pushNamed('/confirmation', arguments: {...})` **data Confirmation Screen pe send karega.**

Purpose:

- User ko guided process provide karna (validation & navigation).
- Data ko Confirmation Screen pe send karna.
- Checkout process smoothly execute karna.

_buildTitle Function (Reusable Title Widget)

Use:

- `_buildTitle(String title)` ek **reusable function** hai jo har field ka **title generate karega.**
- Padding aur TextStyle UI consistency maintain karega.

Purpose:

- Code repetition avoid karna.
- Consistent UI structure ensure karna.

Code:

```
class ConfirmationScreen extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    // Retrieve arguments (user info) passed from Checkout Screen
    final args = ModalRoute.of(context)?.settings.arguments as Map<String,
String>;
    final name = args['name'] ?? '';
    final address = args['address'] ?? '';
    final phone = args['phone'] ?? '';

    // Calculate total price again
    double total = 0;
    for (var item in cart) {
      total += item.price;
    }

    return Scaffold(
```

```

appBar: AppBar(
  title: Text('Confirm Your Order'),
  centerTitle: true,
),
body: GradientBackground(
  child: Column(
    crossAxisAlignment: CrossAxisAlignment.start,
    children: [
      Text(
        'Name: $name',
        style: TextStyle(fontSize: 16, fontWeight: FontWeight.bold),
      ),
      Text(
        'Address: $address',
        style: TextStyle(fontSize: 16, fontWeight: FontWeight.bold),
      ),
      Text(
        'Phone: $phone',
        style: TextStyle(fontSize: 16, fontWeight: FontWeight.bold),
      ),
      SizedBox(height: 16),
      Expanded(
        child: ListView.builder(
          itemCount: cart.length,
          itemBuilder: (context, index) {
            final snack = cart[index];
            return Card(
              color: Colors.white.withOpacity(0.8),
              child: ListTile(
                title: Text(snack.name),
                subtitle: Text('\${snack.price.toStringAsFixed(2)}'),
              ),
            );
          },
        ),
      ),
      Text(
        'Total: \${total.toStringAsFixed(2)}',
        style: TextStyle(fontSize: 18, fontWeight: FontWeight.bold),
      ),
      SizedBox(height: 16),
      Center(
        child: ElevatedButton(
          child: Text('Place Order'),
          onPressed: () {
            // Clear the cart
            cart.clear();
            // Show a simple success message
            showDialog(
              context: context,
              builder: (context) => AlertDialog(
                title: Text('Order Placed!'),
                content: Text('Thank you, $name. Your snacks are on the
way!'),
                actions: [
                  TextButton(
                    child: Text('OK'),
                    onPressed: () {

```

[illegible]

Explanation:

Explanation of the Confirmation Screen

This screen **displays the user's checkout details, calculates the total price of the cart, and provides an option to confirm the order.**

Retrieving User's Checkout Details

- The **ModalRoute** is used to receive **user details (name, address, and phone number)** that were sent from the CheckoutScreen.
- These details are stored in a **map (key-value pair)** where:
 - "name" → Represents the user's name
 - "address" → Stores the user's provided address
 - "phone" → Contains the user's phone number
- If any of these values are missing, an **empty string is assigned as a default.**
- These details are then **displayed on the screen** so the user can verify them before confirming the order.

Displaying Cart Items & Calculating Total Price

- The **cart is a list** that stores all the selected items during checkout.
- **To calculate the total price, a loop iterates through each item in the cart:**
 - The price of each item is **added to the total sum**.
- The list of items is **displayed using a scrollable ListView** where:
 - Each item appears inside a **Card layout**.
 - The **item's name and price** are shown on the screen.
- The **total amount is displayed at the bottom** with a formatted price (limited to 2 decimal places).

Confirming the Order & Clearing the Cart

- When the user **presses the confirm button**, the following actions occur:
 - **The cart is cleared** to reset it for a new order.
 - A **confirmation dialog appears** with a thank-you message.
 - When the user **clicks the "OK" button**, the dialog closes, and the user is **redirected to the home screen**.

This ensures a smooth checkout experience, where the user **verifies their details, reviews their order, and receives confirmation** before being taken back to the main screen.

Summary of the Snack Ordering App:

This Flutter-based snack ordering app allows users to browse a list of snacks, add items to their cart, proceed to checkout, and confirm their order. The app provides an intuitive UI with a gradient background, a structured cart system, and a simple checkout process with validation. It ensures smooth navigation between different screens and offers feedback through snack bars and confirmation messages.

