



Bharatiya Vidya Bhavan's
SARDAR PATEL INSTITUTE OF TECHNOLOGY
(Autonomous Institute Affiliated to University of Mumbai)
Munshi Nagar, Andheri (W), Mumbai – 400 058.
Department of Computer Science and Engineering

Experiment	7
Aim	Create an app for a restaurant to deliver food at doorstep.
Objective	<ul style="list-style-type: none">● To create app for restaurant food delivery app.● To use either side or tabs menu● To create your own theme for the app.● To create Splash screen for the app.
Name	Iffat Patel
UCID	2024510041
Class	FYMCA
Batch	B
Date of Submission	

Technology used	FLUTTER
Task	Create Restaurant App for food delivery at your doorstep. Consider your own creativity and theme. Make use of multiple widgets and themes for make it look the best.
Code with proper label	<pre>auth_provider.dart import '../models/user.dart'; class AuthProvider { static User? _currentUser; static bool _isLoggedIn = false; // Mock user database static final List<Map<String, dynamic>> _users = [{ 'id': '1', 'name': 'Hridaya Patil', 'email': 'hridaya@gmail.com', 'password': 'password123', 'phone': '+1234567890', 'addresses': ['Akurli road, Mumbai, 400101'], },],]; static User? get currentUser => _currentUser; static bool get isLoggedIn => _isLoggedIn; // Login method static Future<bool> login(String email, String password) async { // Simulate network delay await Future.delayed(const Duration(seconds: 1)); // Find user with matching email and password</pre>



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```
final userMap = _users.firstWhere(
  (user) => user['email'] == email && user['password'] == password,
  orElse: () => {},
);

if (userMap.isNotEmpty) {
  _currentUser = User(
    id: userMap['id'],
    name: userMap['name'],
    email: userMap['email'],
    phone: userMap['phone'],
    addresses: List<String>.from(userMap['addresses']),
  );
  _isLoggedIn = true;
  return true;
}

return false;
}

// Register method
static Future<bool> register(String name, String email, String password, String
phone) async {
  // Simulate network delay
  await Future.delayed(const Duration(seconds: 1));

  // Check if email already exists
  final existingUser = _users.any((user) => user['email'] == email);
  if (existingUser) {
    return false;
  }

  // Create new user
  final newUserId = (_users.length + 1).toString();
  final newUser = {
    'id': newUserId,
    'name': name,
    'email': email,
    'password': password,
    'phone': phone,
    'addresses': <String>[],
  };

  _users.add(newUser);

  // Auto login after registration
  _currentUser = User(
    id: newUserId,
    name: name,
    email: email,
    phone: phone,
  );
  _isLoggedIn = true;
```



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```
        return true;
    }

    // Logout method
    static Future<void> logout() async {
        await Future.delayed(const Duration(milliseconds: 500));
        _currentUser = null;
        _isLoggedIn = false;
    }

    // Check if user exists with email
    static Future<bool> checkUserExists(String email) async {
        await Future.delayed(const Duration(milliseconds: 500));
        return _users.any((user) => user['email'] == email);
    }

    // Reset password (mock implementation)
    static Future<bool> resetPassword(String email) async {
        await Future.delayed(const Duration(seconds: 1));
        return _users.any((user) => user['email'] == email);
    }
}
```

```
cart_provider.dart
import '../models/food_item.dart';
import '../models/cart_item.dart';

class CartProvider {
    static final List<CartItemModel> _cartItems = [];

    static List<CartItemModel> get cartItems => _cartItems;

    static void addToCart(FoodItem foodItem, int quantity) {
        // Check if the item is already in the cart
        final existingIndex = _cartItems.indexWhere((item) => item.foodItem.id ==
        foodItem.id);

        if (existingIndex != -1) {
            // Update quantity if item exists
            final existingItem = _cartItems[existingIndex];
            _cartItems[existingIndex] = CartItemModel(
                foodItem: existingItem.foodItem,
                quantity: existingItem.quantity + quantity,
            );
        } else {
            // Add new item if it doesn't exist
            _cartItems.add(CartItemModel(
                foodItem: foodItem,
                quantity: quantity,
            ));
        }
    }

    static void removeFromCart(FoodItem foodItem) {
```



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<pre> _cartItems.removeWhere((item) => item.foodItem.id == foodItem.id); } static void updateQuantity(FoodItem foodItem, int quantity) { final index = _cartItems.indexWhere((item) => item.foodItem.id == foodItem.id); if (index != -1) { _cartItems[index] = CartItemModel(foodItem: foodItem, quantity: quantity,); } } static double getSubtotal() { return _cartItems.fold(0, (sum, item) => sum + (item.foodItem.price * item.quantity)); } static void clearCart() { _cartItems.clear(); } }</pre>
<pre>food_data.dart import '../models/food_item.dart'; final List<FoodItem> mockFoodItems = [FoodItem(id: 1, name: 'Margherita Pizza', description: 'Classic pizza with tomato sauce, mozzarella cheese, and fresh basil leaves.', price: 12.99, imageUrl: 'assets/images/pizza1.jpg', category: 'Pizza', rating: 4.8, reviewCount: 120, deliveryTime: 30, distance: 2.5, ingredients: ['Tomato Sauce', 'Mozzarella Cheese', 'Fresh Basil', 'Olive Oil', 'Salt'],), FoodItem(id: 2, name: 'Pepperoni Pizza', description: 'Delicious pizza topped with tomato sauce, mozzarella cheese, and spicy pepperoni slices.', price: 14.99, imageUrl: 'assets/images/pizza2.jpg', category: 'Pizza', rating: 4.6, reviewCount: 95, deliveryTime: 35,</pre>



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	<pre>distance: 2.5, ingredients: ['Tomato Sauce', 'Mozzarella Cheese', 'Pepperoni', 'Olive Oil', 'Oregano'],), FoodItem(id: 3, name: 'Classic Burger', description: 'Juicy beef patty with lettuce, tomato, onion, and special sauce on a toasted bun.', price: 9.99, imageUrl: 'assets/images/burger1.jpg', category: 'Burger', rating: 4.5, reviewCount: 88, deliveryTime: 25, distance: 1.8, ingredients: ['Beef Patty', 'Lettuce', 'Tomato', 'Onion', 'Special Sauce', 'Sesame Bun'],), FoodItem(id: 4, name: 'Cheese Burger', description: 'Delicious beef patty with melted cheddar cheese, lettuce, tomato, and mayo on a toasted bun.', price: 11.99, imageUrl: 'assets/images/burger2.jpg', category: 'Burger', rating: 4.7, reviewCount: 105, deliveryTime: 25, distance: 1.8, ingredients: ['Beef Patty', 'Cheddar Cheese', 'Lettuce', 'Tomato', 'Mayo', 'Sesame Bun'],), FoodItem(id: 5, name: 'Spaghetti Carbonara', description: 'Classic Italian pasta with eggs, cheese, pancetta, and black pepper.', price: 13.99, imageUrl: 'assets/images/pasta1.jpg', category: 'Pasta', rating: 4.9, reviewCount: 150, deliveryTime: 40, distance: 3.2, ingredients: ['Spaghetti', 'Eggs', 'Pecorino Romano', 'Pancetta', 'Black Pepper'],), FoodItem(id: 6, name: 'Fettuccine Alfredo', description: 'Creamy pasta with butter, heavy cream, and Parmesan cheese.', price: 12.99, imageUrl: 'assets/images/pasta2.jpg', category: 'Pasta',</pre>
--	---



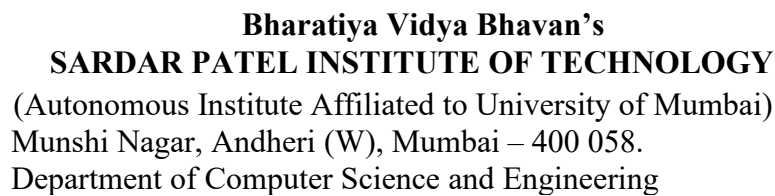
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```
rating: 4.7,  
reviewCount: 110,  
deliveryTime: 35,  
distance: 3.2,  
ingredients: ['Fettuccine', 'Butter', 'Heavy Cream', 'Parmesan Cheese', 'Garlic',  
'Parsley'],  
)  
FoodItem(  
  id: 7,  
  name: 'Chocolate Cake',  
  description: 'Rich and moist chocolate cake with a smooth chocolate ganache.',  
  price: 7.99,  
  imageUrl: 'assets/images/dessert1.jpg',  
  category: 'Dessert',  
  rating: 4.8,  
  reviewCount: 75,  
  deliveryTime: 20,  
  distance: 2.0,  
  ingredients: ['Flour', 'Sugar', 'Cocoa Powder', 'Eggs', 'Butter', 'Chocolate'],  
)  
FoodItem(  
  id: 8,  
  name: 'Strawberry Cheesecake',  
  description: 'Creamy cheesecake with a graham cracker crust and fresh  
strawberry topping.',  
  price: 8.99,  
  imageUrl: 'assets/images/dessert2.jpg',  
  category: 'Dessert',  
  rating: 4.9,  
  reviewCount: 85,  
  deliveryTime: 20,  
  distance: 2.0,  
  ingredients: ['Cream Cheese', 'Sugar', 'Eggs', 'Graham Crackers', 'Butter',  
'Strawberries'],  
)  
FoodItem(  
  id: 9,  
  name: 'Iced Coffee',  
  description: 'Refreshing cold coffee served with ice and a splash of milk.',  
  price: 4.99,  
  imageUrl: 'assets/images/drink1.jpg',  
  category: 'Drinks',  
  rating: 4.6,  
  reviewCount: 60,  
  deliveryTime: 15,  
  distance: 1.5,  
  ingredients: ['Coffee', 'Ice', 'Milk', 'Sugar'],  
)  
FoodItem(  
  id: 10,  
  name: 'Strawberry Smoothie',  
  description: 'Refreshing smoothie made with fresh strawberries, yogurt, and  
honey.',  
  price: 5.99,
```



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	<pre>imageUrl: 'assets/images/drink2.jpg', category: 'Drinks', rating: 4.7, reviewCount: 65, deliveryTime: 15, distance: 1.5, ingredients: ['Strawberries', 'Yogurt', 'Honey', 'Ice'],),];</pre>
	<pre>cart_item.dart import 'food_item.dart'; class CartItemModel { final FoodItem foodItem; final int quantity; CartItemModel({ required this.foodItem, required this.quantity, }); }</pre>
	<pre>cart_screen.dart import 'package:flutter/material.dart'; import '../utils/theme.dart'; import '../data/cart_provider.dart'; import '../widgets/cart_item.dart'; import 'checkout_screen.dart'; class CartScreen extends StatefulWidget { const CartScreen({Key? key}) : super(key: key); @override State<CartScreen> createState() => _CartScreenState(); } class _CartScreenState extends State<CartScreen> { void _updateCart() { setState(() {}); } @override Widget build(BuildContext context) { final cartItems = CartProvider.cartItems; final subtotal = CartProvider.getSubtotal(); final deliveryFee = 2.99; final total = subtotal + deliveryFee; return Scaffold(appBar: AppBar(title: const Text('My Cart'), leading: IconButton(icon: const Icon(Icons.arrow_back),</pre>



```
onPressed: () => Navigator.pop(context),
    ),
  ),
  body: cartItems.isEmpty
    ? _buildEmptyCart()
    : Column(
        children: [
          Expanded(
            child: ListView.builder(
              padding: const EdgeInsets.all(16),
              itemCount: cartItems.length,
              itemBuilder: (context, index) {
                return Padding(
                  padding: const EdgeInsets.only(bottom: 16.0),
                  child: CartItem(
                    cartItem: cartItems[index],
                    onUpdate: _updateCart,
                  ),
                );
              },
            ),
          ),
          _buildOrderSummary(subtotal, deliveryFee, total),
        ],
      ),
  bottomNavigationBar: cartItems.isEmpty
    ? null
    : Container(
        padding: const EdgeInsets.all(16),
        decoration: BoxDecoration(
          color: Colors.white,
          boxShadow: [
            BoxShadow(
              color: Colors.black.withOpacity(0.05),
              blurRadius: 10,
              offset: const Offset(0, -5),
            ),
          ],
        ),
        child: SafeArea(
          child: ElevatedButton(
            onPressed: () {
              Navigator.push(
                context,
                PageRouteBuilder(
                  pageBuilder: (context, animation, secondaryAnimation) => const
CheckoutScreen(),
                  transitionsBuilder: (context, animation, secondaryAnimation, child) {
                    var begin = const Offset(1.0, 0.0);
                    var end = Offset.zero;
                    var curve = Curves.easeInOut;
                    var tween = Tween(begin: begin, end:
end).chain(CurveTween(curve: curve));
                    return SlideTransition(
```




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```
        position: animation.drive(tween),
        child: child,
      );
    },
    transitionDuration: const Duration(milliseconds: 300),
  ),
);
},
child: const Text('Proceed to Checkout'),
),
),
),
);
}
```

```
Widget _buildEmptyCart() {
  return Center(
    child: Column(
      mainAxisAlignment: MainAxisAlignment.center,
      children: [
        Icon(
          Icons.shopping_cart_outlined,
          size: 100,
          color: AppTheme.lightTextColor,
        ),
        const SizedBox(height: 24),
        Text(
          'Your cart is empty',
          style: Theme.of(context).textTheme.displaySmall,
        ),
        const SizedBox(height: 16),
        Text(
          'Looks like you haven\'t added anything to your cart yet.',
          style: Theme.of(context).textTheme.bodyLarge?.copyWith(
            color: AppTheme.lightTextColor,
          ),
          textAlign: TextAlign.center,
        ),
        const SizedBox(height: 32),
        ElevatedButton(
          onPressed: () => Navigator.pop(context),
          child: const Text('Browse Menu'),
        ),
      ],
    ),
  );
}
```

```
Widget _buildOrderSummary(double subtotal, double deliveryFee, double total) {
  return Container(
    padding: const EdgeInsets.all(16),
    decoration: BoxDecoration(
      color: AppTheme.primaryColor.withOpacity(0.3),
      borderRadius: const BorderRadius.only(
```



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```
topLeft: Radius.circular(30),
topRight: Radius.circular(30),
),
),
child: Column(
  crossAxisAlignment: CrossAxisAlignment.start,
  children: [
    Text(
      'Order Summary',
      style: Theme.of(context).textTheme.displaySmall,
    ),
    const SizedBox(height: 16),
    Row(
      mainAxisAlignment: MainAxisAlignment.spaceBetween,
      children: [
        Text(
          'Subtotal',
          style: Theme.of(context).textTheme.bodyLarge,
        ),
        Text(
          '\${subtotal.toStringAsFixed(2)}',
          style: Theme.of(context).textTheme.bodyLarge?.copyWith(
            fontWeight: FontWeight.bold,
          ),
        ),
      ],
    ),
    const SizedBox(height: 8),
    Row(
      mainAxisAlignment: MainAxisAlignment.spaceBetween,
      children: [
        Text(
          'Delivery Fee',
          style: Theme.of(context).textTheme.bodyLarge,
        ),
        Text(
          '\${deliveryFee.toStringAsFixed(2)}',
          style: Theme.of(context).textTheme.bodyLarge?.copyWith(
            fontWeight: FontWeight.bold,
          ),
        ),
      ],
    ),
    const Padding(
      padding: EdgeInsets.symmetric(vertical: 8.0),
      child: Divider(),
    ),
    Row(
      mainAxisAlignment: MainAxisAlignment.spaceBetween,
      children: [
        Text(
          'Total',
          style: Theme.of(context).textTheme.displaySmall,
        ),
      ],
    ),
  ],
),
```



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```
Text(
  '\${total.toStringAsFixed(2)}',
  style: Theme.of(context).textTheme.displaySmall?.copyWith(
    color: AppTheme.accentColor,
    fontWeight: FontWeight.bold,
  ),
),
),
],
),
],
);
}
```

```

checkout_screen.dart
import 'package:flutter/material.dart';
import '../utils/theme.dart';
import '../data/cart_provider.dart';
import 'order_success_screen.dart';

class CheckoutScreen extends StatefulWidget {
  const CheckoutScreen({Key? key}) : super(key: key);

  @override
  State<CheckoutScreen> createState() => _CheckoutScreenState();
}

class _CheckoutScreenState extends State<CheckoutScreen> {
  final _formKey = GlobalKey<FormState>();
  String _deliveryMethod = 'Standard';
  String _paymentMethod = 'Credit Card';

  @override
  Widget build(BuildContext context) {
    final subtotal = CartProvider.getSubtotal();
    final deliveryFee = 2.99;
    final total = subtotal + deliveryFee;

    return Scaffold(
      appBar: AppBar(
        title: const Text('Checkout'),
        leading: IconButton(
          icon: const Icon(Icons.arrow_back),
          onPressed: () => Navigator.pop(context),
        ),
      ),
      body: SingleChildScrollView(
        physics: const BouncingScrollPhysics(),
        child: Padding(
          padding: const EdgeInsets.all(16.0),
          child: Form(
            key: _formKey,
            child: Column(

```



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```
crossAxisAlignment: CrossAxisAlignment.start,
children: [
  _buildDeliveryAddress(),
  const SizedBox(height: 24),
  _buildDeliveryMethod(),
  const SizedBox(height: 24),
  _buildPaymentMethod(),
  const SizedBox(height: 24),
  _buildOrderSummary(subtotal, deliveryFee, total),
],
),
),
),
),
),
bottomNavigationBar: Container(
padding: const EdgeInsets.all(16),
decoration: BoxDecoration(
color: Colors.white,
boxShadow: [
BoxShadow(
color: Colors.black.withOpacity(0.05),
blurRadius: 10,
offset: const Offset(0, -5),
),
],
),
),
child: SafeArea(
child: ElevatedButton(
onPressed: () {
if (_formKey.currentState!.validate()) {
Navigator.pushReplacement(
context,
PageRouteBuilder(
pageBuilder: (context, animation, secondaryAnimation) => const
OrderSuccessScreen(),
transitionsBuilder: (context, animation, secondaryAnimation, child) {
var begin = const Offset(1.0, 0.0);
var end = Offset.zero;
var curve = Curves.easeInOut;
var tween = Tween(begin: begin, end: end).chain(CurveTween(curve:
curve));

return SlideTransition(
position: animation.drive(tween),
child: child,
);
},
transitionDuration: const Duration(milliseconds: 300),
),
);
}
},
child: const Text('Place Order'),
),
),
```



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```
),  
);  
}  
  
Widget _buildDeliveryAddress() {  
  return Column(  
    crossAxisAlignment: CrossAxisAlignment.start,  
    children: [  
      Text(  
        'Delivery Address',  
        style: Theme.of(context).textTheme.displaySmall,  
      ),  
      const SizedBox(height: 16),  
      TextFormField(  
        decoration: const InputDecoration(  
          labelText: 'Full Name',  
          prefixIcon: Icon(Icons.person),  
        ),  
        validator: (value) {  
          if (value == null || value.isEmpty) {  
            return 'Please enter your name';  
          }  
          return null;  
        },  
      ),  
      const SizedBox(height: 16),  
      TextFormField(  
        decoration: const InputDecoration(  
          labelText: 'Phone Number',  
          prefixIcon: Icon(Icons.phone),  
        ),  
        keyboardType: TextInputType.phone,  
        validator: (value) {  
          if (value == null || value.isEmpty) {  
            return 'Please enter your phone number';  
          }  
          return null;  
        },  
      ),  
      const SizedBox(height: 16),  
      TextFormField(  
        decoration: const InputDecoration(  
          labelText: 'Address',  
          prefixIcon: Icon(Icons.location_on),  
        ),  
        validator: (value) {  
          if (value == null || value.isEmpty) {  
            return 'Please enter your address';  
          }  
          return null;  
        },  
      ),  
      const SizedBox(height: 16),  
      Row(  

```



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```
children: [
  Expanded(
    child: TextFormField(
      decoration: const InputDecoration(
        labelText: 'City',
        prefixIcon: Icon(Icons.location_city),
      ),
      validator: (value) {
        if (value == null || value.isEmpty) {
          return 'Please enter your city';
        }
        return null;
      },
    ),
  ),
  const SizedBox(width: 16),
  Expanded(
    child: TextFormField(
      decoration: const InputDecoration(
        labelText: 'Zip Code',
        prefixIcon: Icon(Icons.pin),
      ),
      keyboardType: TextInputType.number,
      validator: (value) {
        if (value == null || value.isEmpty) {
          return 'Please enter zip code';
        }
        return null;
      },
    ),
  ),
],
);
}

Widget _buildDeliveryMethod() {
  return Column(
    crossAxisAlignment: CrossAxisAlignment.start,
    children: [
      Text(
        'Delivery Method',
        style: Theme.of(context).textTheme.displaySmall,
      ),
      const SizedBox(height: 16),
      Row(
        children: [
          Expanded(
            child: _buildDeliveryOption(
              title: 'Standard',
              subtitle: '30-45 min',
              price: '$2.99',
              isSelected: deliveryMethod == 'Standard',
```



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```
onTap: () {  
  setState(() {  
    _deliveryMethod = 'Standard';  
  });  
},  
,  
,  
const SizedBox(width: 16),  
Expanded(  
  child: _buildDeliveryOption(  
    title: 'Express',  
    subtitle: '15-20 min',  
    price: '$5.99',  
    isSelected: _deliveryMethod == 'Express',  
    onTap: () {  
      setState(() {  
        _deliveryMethod = 'Express';  
      });  
    },  
  ),  
,  
,  
],  
,  
],  
);  
}  
  
Widget _buildDeliveryOption({  
  required String title,  
  required String subtitle,  
  required String price,  
  required bool isSelected,  
  required VoidCallback onTap,  
}) {  
  return InkWell(  
    onTap: onTap,  
    borderRadius: BorderRadius.circular(16),  
    child: Container(  
      padding: const EdgeInsets.all(16),  
      decoration: BoxDecoration(  
        color: isSelected ? AppTheme.secondaryColor.withOpacity(0.1) :  
AppTheme.primaryColor.withOpacity(0.3),  
        borderRadius: BorderRadius.circular(16),  
        border: Border.all(  
          color: isSelected ? AppTheme.secondaryColor : Colors.transparent,  
          width: 2,  
        ),  
      ),  
      child: Column(  
        crossAxisAlignment: CrossAxisAlignment.start,  
        children: [  
          Row(  
            children: [  
              Text(  
                onTap: onTap,  
                style: TextStyle(  
                  color: isSelected ? AppTheme.secondaryColor : Colors.transparent,  
                  fontStyle: FontStyle.italic,  
                  decoration: TextDecoration.underline,  
                  decorationColor: AppTheme.secondaryColor,  
                  decorationThickness: 2,  
                ),  
              Text(subtitle),  
              Text(price),  
            ],  
          ),  
        ],  
      ),  
    ),  
  ),  
);  
}
```



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```
title,
style: Theme.of(context).textTheme.bodyLarge?.copyWith(
  fontWeight: FontWeight.bold,
),
),
const Spacer(),
if (isSelected)
  Icon(
    Icons.check_circle,
    color: AppTheme.secondaryColor,
    size: 20,
  ),
],
),
const SizedBox(height: 8),
Text(
  subtitle,
  style: Theme.of(context).textTheme.bodyMedium,
),
const SizedBox(height: 4),
Text(
  price,
  style: Theme.of(context).textTheme.bodyLarge?.copyWith(
    fontWeight: FontWeight.bold,
    color: AppTheme.accentColor,
  ),
),
),
],
),
),
);
}

Widget _buildPaymentMethod() {
  return Column(
    crossAxisAlignment: CrossAxisAlignment.start,
    children: [
      Text(
        'Payment Method',
        style: Theme.of(context).textTheme.displaySmall,
      ),
      const SizedBox(height: 16),
      _buildPaymentOption(
        title: 'Credit Card',
        icon: Icons.credit_card,
        isSelected: _paymentMethod == 'Credit Card',
        onTap: () {
          setState() {
            _paymentMethod = 'Credit Card';
          };
        },
      ),
      const SizedBox(height: 12),
      buildPaymentOption(
```




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```
title: 'Cash on Delivery',
icon: Icons.money,
isSelected: _paymentMethod == 'Cash on Delivery',
onTap: () {
  setState(() {
    _paymentMethod = 'Cash on Delivery';
  });
},
),
const SizedBox(height: 12),
_buildPaymentOption(
  title: 'PayPal',
  icon: Icons.account_balance_wallet,
  isSelected: _paymentMethod == 'PayPal',
  onTap: () {
    setState(() {
      _paymentMethod = 'PayPal';
    });
  },
),
],
);
}

Widget _buildPaymentOption({
  required String title,
  required IconData icon,
  required bool isSelected,
  required VoidCallback onTap,
}) {
  return InkWell(
    onTap: onTap,
    borderRadius: BorderRadius.circular(16),
    child: Container(
      padding: const EdgeInsets.all(16),
      decoration: BoxDecoration(
        color: isSelected ? AppTheme.secondaryColor.withOpacity(0.1) :
AppTheme.primaryColor.withOpacity(0.3),
        borderRadius: BorderRadius.circular(16),
        border: Border.all(
          color: isSelected ? AppTheme.secondaryColor : Colors.transparent,
          width: 2,
        ),
      ),
      child: Row(
        children: [
          Icon(
            icon,
            color: isSelected ? AppTheme.secondaryColor : AppTheme.textColor,
          ),
          const SizedBox(width: 16),
          Text(
            title,
            style: Theme.of(context).textTheme.bodyLarge?.copyWith(
```



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```
        fontWeight: FontWeight.bold,
      ),
    ),
    const Spacer(),
    if (isSelected)
      Icon(
        Icons.check_circle,
        color: AppTheme.secondaryColor,
        size: 20,
      ),
    ],
  ),
),
);
}

Widget buildOrderSummary(double subtotal, double deliveryFee, double total) {
  return Container(
    padding: const EdgeInsets.all(16),
    decoration: BoxDecoration(
      color: AppTheme.primaryColor.withOpacity(0.3),
      borderRadius: BorderRadius.circular(16),
    ),
    child: Column(
      crossAxisAlignment: CrossAxisAlignment.start,
      children: [
        Text(
          'Order Summary',
          style: Theme.of(context).textTheme.displaySmall,
        ),
        const SizedBox(height: 16),
        Row(
          mainAxisAlignment: MainAxisAlignment.spaceBetween,
          children: [
            Text(
              'Subtotal',
              style: Theme.of(context).textTheme.bodyLarge,
            ),
            Text(
              '\${subtotal.toStringAsFixed(2)}',
              style: Theme.of(context).textTheme.bodyLarge?.copyWith(
                fontWeight: FontWeight.bold,
              ),
            ),
          ],
        ),
        const SizedBox(height: 8),
        Row(
          mainAxisAlignment: MainAxisAlignment.spaceBetween,
          children: [
            Text(
              'Delivery Fee',
              style: Theme.of(context).textTheme.bodyLarge,
            ),
```



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```
Text(
  '\${deliveryFee.toStringAsFixed(2)}',
  style: Theme.of(context).textTheme.bodyLarge?.copyWith(
    fontWeight: FontWeight.bold,
  ),
),
],
),
const Padding(
  padding: EdgeInsets.symmetric(vertical: 8.0),
  child: Divider(),
),
Row(
  mainAxisAlignment: MainAxisAlignment.spaceBetween,
  children: [
    Text(
      'Total',
      style: Theme.of(context).textTheme.displaySmall,
    ),
    Text(
      '\${total.toStringAsFixed(2)}',
      style: Theme.of(context).textTheme.displaySmall?.copyWith(
        color: AppTheme.accentColor,
        fontWeight: FontWeight.bold,
      ),
    ),
  ],
),
],
),
);
}
```

```
forgot_password.dart
import 'package:flutter/material.dart';
import '../utils/theme.dart';
import '../data/auth_provider.dart';

class ForgotPasswordScreen extends StatefulWidget {
  const ForgotPasswordScreen({Key? key}) : super(key: key);

  @override
  State<ForgotPasswordScreen> createState() => _ForgotPasswordScreenState();
}

class _ForgotPasswordScreenState extends State<ForgotPasswordScreen> {
  final _formKey = GlobalKey<FormState>();
  final _emailController = TextEditingController();
  bool _isLoading = false;
  bool _resetSent = false;

  @override
  void dispose() {
```



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```
_emailController.dispose();
super.dispose();
}

Future<void> _resetPassword() async {
  if (_formKey.currentState!.validate()) {
    setState(() {
      _isLoading = true;
    });

    try {
      final success = await
AuthProvider.resetPassword(_emailController.text.trim());

      if (success) {
        setState(() {
          _resetSent = true;
        });
      } else {
        if (mounted) {
          ScaffoldMessenger.of(context).showSnackBar(
            const SnackBar(
              content: Text('Email not found. Please check your email address.'),
              backgroundColor: Colors.red,
            ),
          );
        }
      }
    } catch (e) {
      if (mounted) {
        ScaffoldMessenger.of(context).showSnackBar(
          SnackBar(
            content: Text('Error: ${e.toString()}'),
            backgroundColor: Colors.red,
          ),
        );
      }
    } finally {
      if (mounted) {
        setState(() {
          _isLoading = false;
        });
      }
    }
  }
}

@override
Widget build(BuildContext context) {
  return Scaffold(
    appBar: AppBar(
      title: const Text('Forgot Password'),
      leading: IconButton(
        icon: const Icon(Icons.arrow_back),
```



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```
onPressed: () => Navigator.pop(context),
),
),
body: SafeArea(
  child: SingleChildScrollView(
    physics: const BouncingScrollPhysics(),
    child: Padding(
      padding: const EdgeInsets.all(24.0),
      child: _resetSent ? _buildSuccessMessage() : _buildResetForm(),
    ),
  ),
),
);
}

Widget _buildResetForm() {
  return Form(
    key: _formKey,
    child: Column(
      crossAxisAlignment: CrossAxisAlignment.start,
      children: [
        Text(
          'Reset Password',
          style: Theme.of(context).textTheme.displayMedium,
        ),
        const SizedBox(height: 8),
        Text(
          'Enter your email address and we\'ll send you instructions to reset your password.',
          style: Theme.of(context).textTheme.bodyLarge?.copyWith(
            color: AppTheme.lightTextColor,
          ),
        ),
        const SizedBox(height: 32),
        TextFormField(
          controller: _emailController,
          keyboardType: TextInputType.emailAddress,
          decoration: const InputDecoration(
            labelText: 'Email',
            hintText: 'Enter your email',
            prefixIcon: Icon(Icons.email),
          ),
          validator: (value) {
            if (value == null || value.isEmpty) {
              return 'Please enter your email';
            }
            if (!RegExp(r'^[\\w-\\.]+@[\\w-]+\\.([\\w-]{2,4})$').hasMatch(value)) {
              return 'Please enter a valid email';
            }
            return null;
          },
        ),
        const SizedBox(height: 40),
        SizedBox(
```



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```
width: double.infinity,
height: 56,
child: ElevatedButton(
  onPressed: _isLoading ? null : _resetPassword,
  child: _isLoading
    ? const CircularProgressIndicator(color: Colors.white)
    : const Text(
        'Send Reset Link',
        style: TextStyle(fontSize: 16),
      ),
),
),
],
),
);
}

Widget _buildSuccessMessage() {
  return Column(
    mainAxisAlignment: MainAxisAlignment.center,
    children: [
      const Icon(
        Icons.check_circle_outline,
        size: 100,
        color: AppTheme.secondaryColor,
      ),
      const SizedBox(height: 24),
      Text(
        'Reset Link Sent!',
        style: Theme.of(context).textTheme.displayMedium,
        textAlign: TextAlign.center,
      ),
      const SizedBox(height: 16),
      Text(
        'We\'ve sent password reset instructions to ${_emailController.text}',
        style: Theme.of(context).textTheme.bodyLarge,
        textAlign: TextAlign.center,
      ),
      const SizedBox(height: 32),
      SizedBox(
        width: double.infinity,
        height: 56,
        child: ElevatedButton(
          onPressed: () => Navigator.pop(context),
          child: const Text(
            'Back to Login',
            style: TextStyle(fontSize: 16),
          ),
        ),
      ),
    ],
  );
}
```



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```
home_screen.dart
import 'package:flutter/material.dart';
import '../utils/theme.dart';
import '../widgets/food_category.dart';
import '../widgets/popular_food_item.dart';
import '../widgets/custom_drawer.dart';
import '../data/food_data.dart';
import 'food_detail_screen.dart';
import 'cart_screen.dart';
import '../data/auth_provider.dart';

class HomeScreen extends StatefulWidget {
  const HomeScreen({Key? key}) : super(key: key);

  @override
  State<HomeScreen> createState() => _HomeScreenState();
}

class _HomeScreenState extends State<HomeScreen> {
  final GlobalKey<ScaffoldState> _scaffoldKey = GlobalKey<ScaffoldState>();
  String _selectedCategory = 'All';

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      key: _scaffoldKey,
      drawer: const CustomDrawer(),
      body: SafeArea(
        child: Column(
          crossAxisAlignment: CrossAxisAlignment.start,
          children: [
            _buildAppBar(),
            Expanded(
              child: SingleChildScrollView(
                physics: const BouncingScrollPhysics(),
                child: Padding(
                  padding: const EdgeInsets.symmetric(horizontal: 16.0),
                  child: Column(
                    crossAxisAlignment: CrossAxisAlignment.start,
                    children: [
                      const SizedBox(height: 20),
                      _buildWelcomeSection(),
                      const SizedBox(height: 24),
                      _buildSearchBar(),
                      const SizedBox(height: 24),
                      _buildCategorySection(),
                      const SizedBox(height: 24),
                      _buildPopularSection(),
                      const SizedBox(height: 16),
                    ],
                  ),
                ),
              ),
            ),
          ],
        ),
      ),
    );
  }
}
```



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```
),  
],  
),  
),  
);  
}  
  
Widget _buildAppBar() {  
  return Padding(  
    padding: const EdgeInsets.all(16.0),  
    child: Row(  
      mainAxisAlignment: MainAxisAlignment.spaceBetween,  
      children: [  
        InkWell(  
          onTap: () {  
            _scaffoldKey.currentState?.openDrawer();  
          },  
          borderRadius: BorderRadius.circular(12),  
          child: Container(  
            padding: const EdgeInsets.all(8),  
            decoration: BoxDecoration(  
              color: AppTheme.primaryColor,  
              borderRadius: BorderRadius.circular(12),  
            ),  
            child: const Icon(Icons.menu, color: AppTheme.textColor),  
          ),  
        ),  
        Text(  
          'Tasty Bites',  
          style: Theme.of(context).textTheme.displaySmall,  
        ),  
        InkWell(  
          onTap: () {  
            Navigator.push(  
              context,  
              MaterialPageRoute(  
                pageBuilder: (context, animation, secondaryAnimation) => const  
CartScreen(),  
                transitionsBuilder: (context, animation, secondaryAnimation, child) {  
                  var begin = const Offset(1.0, 0.0);  
                  var end = Offset.zero;  
                  var curve = Curves.easeInOut;  
                  var tween = Tween(begin: begin, end: end).chain(CurveTween(curve:  
curve));  
                  return SlideTransition(  
                    position: animation.drive(tween),  
                    child: child,  
                  );  
                },  
                transitionDuration: const Duration(milliseconds: 300),  
              ),  
            ),  
          ),  
        ),  
      ],  
    ),  
    borderRadius: BorderRadius.circular(12),  
  );  
}
```




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```
child: Container(  
  padding: const EdgeInsets.all(8),  
  decoration: BoxDecoration(  
    color: AppTheme.primaryColor,  
    borderRadius: BorderRadius.circular(12),  
  ),  
  child: const Icon(Icons.shopping_cart, color: AppTheme.textColor),  
),  
),  
],  
),  
);  
}
```

```
Widget _buildWelcomeSection() {  
  final userName = AuthProvider.currentUser?.name ?? 'Guest';  
  return Column(  
    crossAxisAlignment: CrossAxisAlignment.start,  
    children: [  
      Text(  
        'Hello, $userName!',  
        style: Theme.of(context).textTheme.displayMedium,  
      ),  
      const SizedBox(height: 8),  
      Text(  
        'What would you like to eat today?',  
        style: Theme.of(context).textTheme.bodyLarge,  
      ),  
    ],  
  );  
}
```

```
Widget _buildSearchBar() {  
  return Container(  
    padding: const EdgeInsets.symmetric(horizontal: 16),  
    decoration: BoxDecoration(  
      color: AppTheme.primaryColor.withOpacity(0.5),  
      borderRadius: BorderRadius.circular(16),  
    ),  
    child: TextField(  
      decoration: InputDecoration(  
        hintText: 'Search for food...',  
        hintStyle: TextStyle(color: AppTheme.lightTextColor),  
        prefixIcon: Icon(Icons.search, color: AppTheme.lightTextColor),  
        border: InputBorder.none,  
      ),  
    ),  
  );  
}
```

```
Widget _buildCategorySection() {  
  return Column(  
    crossAxisAlignment: CrossAxisAlignment.start,  
    children: [  
      Text(  
        'What would you like to eat today?',  
        style: Theme.of(context).textTheme.bodyLarge,  
      ),  
    ],  
  );  
}
```



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```
Text(
  'Categories',
  style: Theme.of(context).textTheme.displaySmall,
),
const SizedBox(height: 16),
SizedBox(
  height: 120,
  child: ListView(
    scrollDirection: Axis.horizontal,
    physics: const BouncingScrollPhysics(),
    children: [
      FoodCategory(
        title: 'All',
        icon: Icons.fastfood,
        isSelected: _selectedCategory == 'All',
        onTap: () {
          setState(() {
            _selectedCategory = 'All';
          });
        },
      ),
      FoodCategory(
        title: 'Pizza',
        icon: Icons.local_pizza,
        isSelected: _selectedCategory == 'Pizza',
        onTap: () {
          setState(() {
            _selectedCategory = 'Pizza';
          });
        },
      ),
      FoodCategory(
        title: 'Burger',
        icon: Icons.lunch_dining,
        isSelected: _selectedCategory == 'Burger',
        onTap: () {
          setState(() {
            _selectedCategory = 'Burger';
          });
        },
      ),
      FoodCategory(
        title: 'Pasta',
        icon: Icons.dinner_dining,
        isSelected: _selectedCategory == 'Pasta',
        onTap: () {
          setState(() {
            _selectedCategory = 'Pasta';
          });
        },
      ),
      FoodCategory(
        title: 'Dessert',
        icon: Icons.icecream,
```

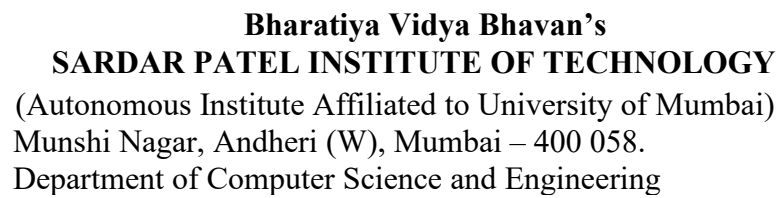


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```
isSelected: _selectedCategory == 'Dessert',
onTap: () {
  setState() {
    _selectedCategory = 'Dessert';
  });
},
),
FoodCategory(
  title: 'Drinks',
  icon: Icons.local_drink,
  isSelected: _selectedCategory == 'Drinks',
  onTap: () {
    setState() {
      _selectedCategory = 'Drinks';
    });
  },
),
),
),
),
),
);
}

Widget _buildPopularSection() {
  // Filter food items based on selected category
  final filteredItems = _selectedCategory == 'All'
    ? mockFoodItems
    : mockFoodItems.where((item) => item.category ==
_selectedCategory).toList();

  return Column(
    crossAxisAlignment: CrossAxisAlignment.start,
    children: [
      Text(
        _selectedCategory == 'All' ? 'Popular Items' : _selectedCategory,
        style: Theme.of(context).textTheme.displaySmall,
      ),
      const SizedBox(height: 16),
      filteredItems.isEmpty
        ? Center(
            child: Padding(
              padding: const EdgeInsets.all(32.0),
              child: Column(
                children: [
                  Icon(
                    Icons.no_food,
                    size: 64,
                    color: AppTheme.lightTextColor,
                  ),
                  const SizedBox(height: 16),
                  Text(
                    'No items found in this category',
                    style: Theme.of(context).textTheme.bodyLarge?.copyWith(
```



```

        color: AppTheme.lightTextColor,
      ),
      textAlign: TextAlign.center,
    ),
  ],
),
),
)
: GridView.builder(
  shrinkWrap: true,
  physics: const NeverScrollableScrollPhysics(),
  gridDelegate: const SliverGridDelegateWithFixedCrossAxisCount(
    crossAxisCount: 2,
    childAspectRatio: 0.75,
    crossAxisSpacing: 16,
    mainAxisSpacing: 16,
  ),
  itemCount: filteredItems.length,
  itemBuilder: (context, index) {
    return PopularFoodItem(
      foodItem: filteredItems[index],
      onTap: () {
        Navigator.push(
          context,
          MaterialPageRoute(
            pageBuilder: (context, animation, secondaryAnimation) =>
FoodDetailScreen(
              foodItem: filteredItems[index],
            ),
            transitionsBuilder: (context, animation, secondaryAnimation, child)
{
              var begin = const Offset(0.0, 1.0);
              var end = Offset.zero;
              var curve = Curves.easeInOut;
              var tween = Tween(begin: begin, end:
end).chain(CurveTween(curve: curve));
              return SlideTransition(
                position: animation.drive(tween),
                child: child,
              );
            },
            transitionDuration: const Duration(milliseconds: 300),
          ),
        );
      },
    );
  },
),
],
);
}
}
}
login screen.dart
```



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```
import 'package:flutter/material.dart';
import '../utils/theme.dart';
import '../data/auth_provider.dart';
import 'home_screen.dart';
import 'registration_screen.dart';
import 'forgot_password_screen.dart';

class LoginScreen extends StatefulWidget {
  const LoginScreen({Key? key}) : super(key: key);

  @override
  State<LoginScreen> createState() => _LoginScreenState();
}

class _LoginScreenState extends State<LoginScreen> with
SingleTickerProviderStateMixin {
  final _formKey = GlobalKey<FormState>();
  final _emailController = TextEditingController();
  final _passwordController = TextEditingController();
  bool _isLoading = false;
  bool _obscurePassword = true;
  late AnimationController _animationController;
  late Animation<double> _fadeAnimation;

  @override
  void initState() {
    super.initState();
    _animationController = AnimationController(
      vsync: this,
      duration: const Duration(milliseconds: 1000),
    );
    _fadeAnimation = Tween<double>(begin: 0.0, end: 1.0).animate(
      CurvedAnimation(
        parent: _animationController,
        curve: Curves.easeIn,
      ),
    );
    _animationController.forward();
  }

  @override
  void dispose() {
    _emailController.dispose();
    _passwordController.dispose();
    _animationController.dispose();
    super.dispose();
  }

  Future<void> _login() async {
    if (_formKey.currentState!.validate()) {
      setState() {
        _isLoading = true;
      };
    }
  }
}
```



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```
try {
  final success = await AuthProvider.login(
    _emailController.text.trim(),
    _passwordController.text,
  );

  if (success) {
    // Navigate to home screen
    if (mounted) {
      Navigator.of(context).pushReplacement(
        MaterialPageRoute(
          pageBuilder: (context, animation, secondaryAnimation) => const
HomeScreen(),
          transitionsBuilder: (context, animation, secondaryAnimation, child) {
            var begin = const Offset(1.0, 0.0);
            var end = Offset.zero;
            var curve = Curves.easeInOut;
            var tween = Tween(begin: begin, end: end).chain(CurveTween(curve:
curve));
            return SlideTransition(
              position: animation.drive(tween),
              child: child,
            );
          },
          transitionDuration: const Duration(milliseconds: 500),
        ),
      );
    }
  } else {
    // Show error message
    if (mounted) {
      ScaffoldMessenger.of(context).showSnackBar(
        const SnackBar(
          content: Text('Invalid email or password. Please try again.'),
          backgroundColor: Colors.red,
        ),
      );
    }
  }
} catch (e) {
  if (mounted) {
    ScaffoldMessenger.of(context).showSnackBar(
      SnackBar(
        content: Text('Error: ${e.toString()}'),
        backgroundColor: Colors.red,
      ),
    );
  }
} finally {
  if (mounted) {
    setState(() {
      _isLoading = false;
    });
  }
}
```



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```
}  
}  
}  
  
@override  
Widget build(BuildContext context) {  
  return Scaffold(  
    body: SafeArea(  
      child: FadeTransition(  
        opacity: _fadeAnimation,  
        child: SingleChildScrollView(  
          physics: const BouncingScrollPhysics(),  
          child: Padding(  
            padding: const EdgeInsets.all(24.0),  
            child: Form(  
              key: _formKey,  
              child: Column(  
                crossAxisAlignment: CrossAxisAlignment.start,  
                children: [  
                  const SizedBox(height: 40),  
                  _buildHeader(),  
                  const SizedBox(height: 40),  
                  _buildEmailField(),  
                  const SizedBox(height: 20),  
                  _buildPasswordField(),  
                  const SizedBox(height: 16),  
                  _buildForgotPassword(),  
                  const SizedBox(height: 40),  
                  _buildLoginButton(),  
                  const SizedBox(height: 20),  
                  _buildRegisterLink(),  
                ],  
              ),  
            ),  
          ),  
        ),  
      ),  
    ),  
  );  
}  
  
Widget _buildHeader() {  
  return Column(  
    crossAxisAlignment: CrossAxisAlignment.start,  
    children: [  
      Row(  
        children: [  
          Container(  
            padding: const EdgeInsets.all(12),  
            decoration: BoxDecoration(  
              color: AppTheme.primaryColor,  
              borderRadius: BorderRadius.circular(12),  
            ),  
            child: Icon(  

```



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```
Icons.restaurant,  
size: 32,  
color: AppTheme.accentColor,  
),  
),  
const SizedBox(width: 16),  
Text(  
  'Tasty Bites',  
  style: Theme.of(context).textTheme.displayMedium?.copyWith(  
    color: AppTheme.accentColor,  
    fontWeight: FontWeight.bold,  
  ),  
),  
),  
],  
),  
const SizedBox(height: 24),  
Text(  
  'Welcome Back!',  
  style: Theme.of(context).textTheme.displayLarge,  
),  
const SizedBox(height: 8),  
Text(  
  'Sign in to continue ordering your favorite food',  
  style: Theme.of(context).textTheme.bodyLarge?.copyWith(  
    color: AppTheme.lightTextColor,  
  ),  
),  
),  
],  
);  
}  
  
Widget _buildEmailField() {  
  return TextFormField(  
    controller: _emailController,  
    keyboardType: TextInputType.emailAddress,  
    decoration: const InputDecoration(  
      labelText: 'Email',  
      hintText: 'Enter your email',  
      prefixIcon: Icon(Icons.email),  
    ),  
    validator: (value) {  
      if (value == null || value.isEmpty) {  
        return 'Please enter your email';  
      }  
      if (!RegExp(r'^[\\w-\\.]+@[\\w-]+\\.+[\\w-]{2,4}$').hasMatch(value)) {  
        return 'Please enter a valid email';  
      }  
      return null;  
    },  
  ),  
);  
}  
  
Widget _buildPasswordField() {  
  return TextFormField(  
    controller: _passwordController,  
    keyboardType: TextInputType.text,  
    decoration: const InputDecoration(  
      labelText: 'Password',  
      hintText: 'Enter your password',  
      prefixIcon: Icon(Icons.lock),  
    ),  
    validator: (value) {  
      if (value == null || value.isEmpty) {  
        return 'Please enter your password';  
      }  
      if (value.length < 8) {  
        return 'Password must be at least 8 characters long';  
      }  
      if (!RegExp(r'^[\\w-\\.]+@[\\w-]+\\.+[\\w-]{2,4}$').hasMatch(value)) {  
        return 'Please enter a valid email';  
      }  
      return null;  
    },  
  ),  
);  
}
```




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```
controller: _passwordController,
obscureText: _obscurePassword,
decoration: InputDecoration(
  labelText: 'Password',
  hintText: 'Enter your password',
  prefixIcon: const Icon(Icons.lock),
  suffixIcon: IconButton(
    icon: Icon(
      _obscurePassword ? Icons.visibility : Icons.visibility_off,
    ),
    onPressed: () {
      setState() {
        _obscurePassword = !_obscurePassword;
      });
    },
  ),
),
validator: (value) {
  if (value == null || value.isEmpty) {
    return 'Please enter your password';
  }
  if (value.length < 6) {
    return 'Password must be at least 6 characters';
  }
  return null;
},
);
}

Widget _buildForgotPassword() {
  return Align(
    alignment: Alignment.centerRight,
    child: TextButton(
      onPressed: () {
        Navigator.push(
          context,
          MaterialPageRoute(
            pageBuilder: (context, animation, secondaryAnimation) => const
ForgotPasswordScreen(),
            transitionsBuilder: (context, animation, secondaryAnimation, child) {
              var begin = const Offset(1.0, 0.0);
              var end = Offset.zero;
              var curve = Curves.easeInOut;
              var tween = Tween(begin: begin, end: end).chain(CurveTween(curve:
curve));
              return SlideTransition(
                position: animation.drive(tween),
                child: child,
              );
            },
            transitionDuration: const Duration(milliseconds: 300),
          ),
        );
      },
    ),
  ),
);
}
```



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```
child: Text(  
  'Forgot Password?',  
  style: TextStyle(  
    color: AppTheme.secondaryColor,  
    fontWeight: FontWeight.w600,  
  ),  
),  
),  
);  
}  
  
Widget _buildLoginButton() {  
  return SizedBox(  
    width: double.infinity,  
    height: 56,  
    child: ElevatedButton(  
      onPressed: _isLoading ? null : _login,  
      child: _isLoading  
        ? const CircularProgressIndicator(color: Colors.white)  
        : const Text(  
          'Login',  
          style: TextStyle(fontSize: 16),  
        ),  
    ),  
  );  
}  
  
Widget _buildRegisterLink() {  
  return Row(  
    mainAxisAlignment: MainAxisAlignment.center,  
    children: [  
      Text(  
        'Don\'t have an account?',  
        style: Theme.of(context).textTheme.bodyLarge,  
      ),  
      TextButton(  
        onPressed: () {  
          Navigator.push(  
            context,  
            MaterialPageRoute(  
              pageBuilder: (context, animation, secondaryAnimation) => const  
RegistrationScreen(),  
              transitionsBuilder: (context, animation, secondaryAnimation, child) {  
                var begin = const Offset(1.0, 0.0);  
                var end = Offset.zero;  
                var curve = Curves.easeInOut;  
                var tween = Tween(begin: begin, end: end).chain(CurveTween(curve:  
curve));  
                return SlideTransition(  
                  position: animation.drive(tween),  
                  child: child,  
                );  
              },  
            ),  
            transitionDuration: const Duration(milliseconds: 300),
```



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```
),  
);  
},  
child: Text(  
  'Sign Up',  
  style: TextStyle(  
    color: AppTheme.secondaryColor,  
    fontWeight: FontWeight.bold,  
  ),  
),  
),  
),  
],  
);  
}  
}
```

```
ordersuccess_screen.dart  
import 'package:flutter/material.dart';  
import '../utils/theme.dart';  
import 'home_screen.dart';  
  
class OrderSuccessScreen extends StatefulWidget {  
  const OrderSuccessScreen({Key? key}) : super(key: key);  
  
  @override  
  State<OrderSuccessScreen> createState() => _OrderSuccessScreenState();  
}  
  
class _OrderSuccessScreenState extends State<OrderSuccessScreen> with  
SingleTickerProviderStateMixin {  
  late AnimationController _controller;  
  late Animation<double> _scaleAnimation;  
  
  @override  
  void initState() {  
    super.initState();  
    _controller = AnimationController(  
      vsync: this,  
      duration: const Duration(milliseconds: 1000),  
    );  
    _scaleAnimation = Tween<double>(begin: 0.0, end: 1.0).animate(  
      CurvedAnimation(  
        parent: _controller,  
        curve: Curves.elasticOut,  
      ),  
    );  
    _controller.forward();  
  }  
  
  @override  
  void dispose() {  
    _controller.dispose();  
    super.dispose();  
  }  
}
```



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```
@override
Widget build(BuildContext context) {
  return Scaffold(
    body: SafeArea(
      child: Center(
        child: Padding(
          padding: const EdgeInsets.all(24.0),
          child: Column(
            mainAxisAlignment: MainAxisAlignment.center,
            children: [
              AnimatedBuilder(
                animation: _controller,
                builder: (context, child) {
                  return Transform.scale(
                    scale: _scaleAnimation.value,
                    child: Container(
                      width: 150,
                      height: 150,
                      decoration: BoxDecoration(
                        color: AppTheme.secondaryColor.withOpacity(0.2),
                        shape: BoxShape.circle,
                      ),
                    ),
                    child: Center(
                      child: Icon(
                        Icons.check_circle,
                        size: 100,
                        color: AppTheme.secondaryColor,
                      ),
                    ),
                  ),
                ),
              ),
            ],
          ),
        ),
      ),
    ),
  );
},
const SizedBox(height: 32),
Text(
  'Order Placed Successfully!',
  style: Theme.of(context).textTheme.displayMedium,
  textAlign: TextAlign.center,
),
const SizedBox(height: 16),
Text(
  'Your order has been placed successfully. You can track the delivery in
the "Orders" section.',
  style: Theme.of(context).textTheme.bodyLarge,
  textAlign: TextAlign.center,
),
const SizedBox(height: 32),
Container(
  padding: const EdgeInsets.all(16),
  decoration: BoxDecoration(
    color: AppTheme.primaryColor.withOpacity(0.3),
    borderRadius: BorderRadius.circular(16),
  ),
),
```



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```
child: Column(  
  children: [  
    _buildOrderInfoRow('Order Number', '#TYB2023001'),  
    _const SizedBox(height: 8),  
    _buildOrderInfoRow('Estimated Delivery', '30-45 minutes'),  
    _const SizedBox(height: 8),  
    _buildOrderInfoRow('Payment Method', 'Credit Card'),  
  ],  
,  
,  
,  
const SizedBox(height: 48),  
ElevatedButton(  
  onPressed: () {  
    Navigator.of(context).pushAndRemoveUntil(  
      PageRouteBuilder(  
        pageBuilder: (context, animation, secondaryAnimation) => const  
HomeScreen(),  
        transitionsBuilder: (context, animation, secondaryAnimation, child) {  
          var begin = const Offset(1.0, 0.0);  
          var end = Offset.zero;  
          var curve = Curves.easeInOut;  
          var tween = Tween(begin: begin, end:  
end).chain(CurveTween(curve: curve));  
          return SlideTransition(  
            position: animation.drive(tween),  
            child: child,  
          );  
        },  
        transitionDuration: const Duration(milliseconds: 300),  
      ),  
      (route) => false,  
    );  
  },  
  child: const Text('Back to Home'),  
,  
],  
,  
,  
,  
,  
,  
,  
);  
}  
  
Widget _buildOrderInfoRow(String label, String value) {  
  return Row(  
    mainAxisAlignment: MainAxisAlignment.spaceBetween,  
    children: [  
      Text(  
        label,  
        style: Theme.of(context).textTheme.bodyLarge,  
      ),  
      Text(  
        value,  
        style: Theme.of(context).textTheme.bodyLarge?.copyWith(  

```



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	<pre>fontWeight: FontWeight.bold,),),),); } }</pre>
Screenshots	



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★ 4.5 (500 reviews)

🕒 25 min

Fast Food, Burgers

📍 123 Main St, New York

All

Popular

Starters

Main Course

Des

Whopper Burger

Flame-grilled beef patty topped with tomatoes, lettuce, mayo, ketchup, pi...

\$7.99

Add

Chicken Royale

Crispy chicken fillet topped with lettuce and creamy mayo.

\$6.99

Add

Veggie Burger

Plant-based patty with fresh vegetables and special sauce.

\$5.99

Add

VEG

View Cart

My Cart

Whopper Burger

\$7.99

- 2 +

\$15.98

Pepperoni Pizza

\$12.99

- 1 +

\$12.99

Crunchy Taco

\$2.49

- 3 +

\$7.47

Subtotal

\$36.44

Delivery Fee

\$2.99

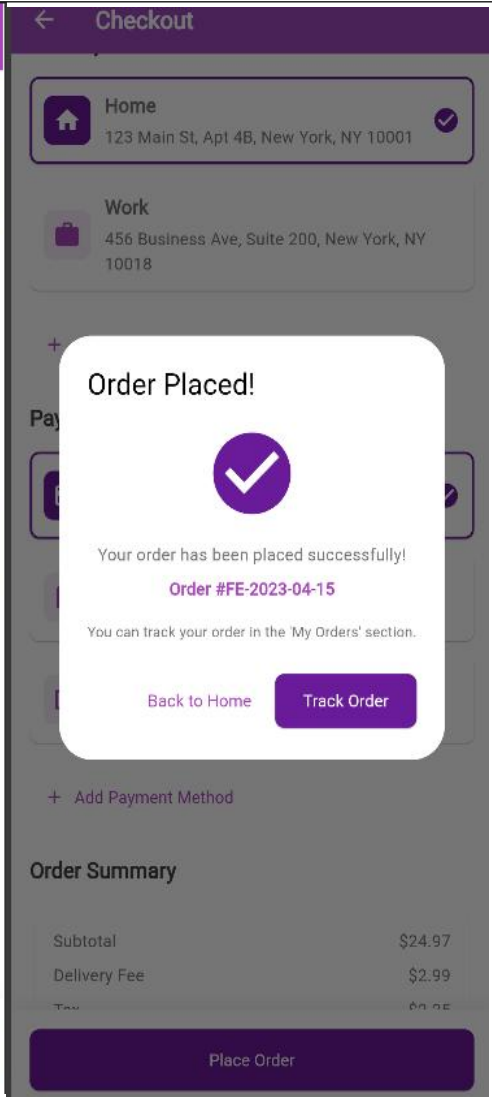
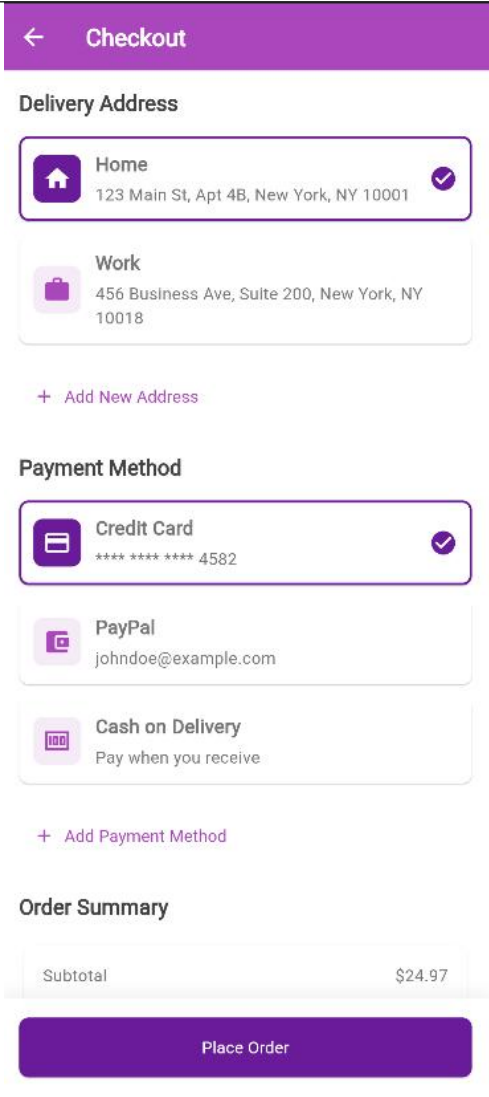
Total

\$39.43

Proceed to Checkout



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	<div></div>
Question and Answers	<p>Answer the following Questions:</p> <p>1. How did you use 60-30-10 rule in your application? Ans: Custom Theme: Implemented a 60-30-10 color rule with:</p> <ul style="list-style-type: none">- Primary (60%): Light cream/beige (`#F5F5DC`)- Secondary (30%): Warm orange (`#FF8C42`)- Accent (10%): Deep red (`#B22222`) <p>2. Which new elements did you use for creating UI components? Ans: Used Cards for food items</p> <p>3. In pubspec.yaml file, what dependencies need to be there? Ans: dependencies: flutter: sdk: flutter</p>



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	<pre>cupertino_icons: ^1.0.2 lottie: ^2.3.2 dev_dependencies: flutter_test: sdk: flutter flutter_lints: ^2.0.0</pre>
	<p>4. What is the use of Splash Screen?</p> <p>Ans: A splash screen is a graphical screen that appears while an application or website is launching. Its main purposes are:</p> <p>Branding: It displays the company logo or app name to reinforce brand identity.</p> <p>User Experience: It provides a visual cue that the app is loading, reducing perceived waiting time.</p> <p>Loading Time Management: It gives the app time to load resources in the background, especially in mobile apps.</p> <p>First Impression: It sets the tone or theme of the app, sometimes with animations or sound.</p>
Conclusion	