

MPL EXP 3

Aim: To include icons, images, fonts in Flutter app

Code:

homepage.dart

```
import 'package:flutter/material.dart';
import 'package:google_fonts/google_fonts.dart';
import 'package:blinkit/screens/categories.dart';

void main() {
  runApp(BlinkitClone());
}

class BlinkitClone extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      debugShowCheckedModeBanner: false,
      initialRoute: '/home',
      routes: {
        '/home': (context) => HomePage(),
        '/categories': (context) => CategoriesScreen(),
      },
    );
  }
}

class HomePage extends StatefulWidget {
  @override
  _HomePageState createState() => _HomePageState();
}

class _HomePageState extends State<HomePage> {
  int _selectedIndex = 0;

  void _onItemTapped(int index) {
    if (index == 2) {
      Navigator.pushNamed(context, '/categories');
    } else {
      setState(() {
        _selectedIndex = index;
      });
    }
  }
}
```

```
}  
}
```

@override

```
Widget build(BuildContext context) {  
  return Scaffold(  
    backgroundColor: Colors.white,  
    bottomNavigationBar: BottomNavigationBar(  
      currentIndex: _selectedIndex,  
      selectedItemColor: Colors.green,  
      unselectedItemColor: Colors.black,  
      showUnselectedLabels: true,  
      onTap: _onItemTapped,  
      items: [  
        BottomNavigationBarItem(icon: Icon(Icons.home), label: "Home"),  
        BottomNavigationBarItem(  
          icon: Icon(Icons.shopping_bag), label: "Order Again"),  
        BottomNavigationBarItem(  
          icon: Icon(Icons.category), label: "Categories"),  
        BottomNavigationBarItem(icon: Icon(Icons.print), label: "Print"),  
      ],  
    ),  
    body: SingleChildScrollView(  
      child: Column(  
        crossAxisAlignment: CrossAxisAlignment.start,  
        children: [  
          Container(  
            color: Colors.yellow[700],  
            padding: const EdgeInsets.only(  
              top: 50, left: 16, right: 16, bottom: 10),  
            child: Column(  
              crossAxisAlignment: CrossAxisAlignment.start,  
              children: [  
                Row(  
                  children: [  
                    Icon(Icons.timer, color: Colors.black),  
                    const SizedBox(width: 5),  
                    Text(  
                      "Blinkit in",  
                      style: GoogleFonts.poppins(  
                        fontSize: 14, fontWeight: FontWeight.w500),  
                    ),  
                    const SizedBox(width: 5),  
                    Text(  

```

```

        "10 minutes",
        style: GoogleFonts.poppins(
          fontSize: 18, fontWeight: FontWeight.bold),
      ),
      Spacer(),
      Icon(Icons.shopping_cart, color: Colors.black),
      const SizedBox(width: 10),
      CircleAvatar(
        backgroundColor: Colors.white,
        child: Icon(Icons.person, color: Colors.black),
      ),
    ],
  ),
  const SizedBox(height: 5),
  Text(
    "HOME - Ria Chaudhari, 202, Coral Nirmal ▼",
    style: GoogleFonts.poppins(
      fontSize: 14, fontWeight: FontWeight.w500),
  ),
  const SizedBox(height: 10),
  Container(
    padding: EdgeInsets.symmetric(horizontal: 10),
    decoration: BoxDecoration(
      color: Colors.white,
      borderRadius: BorderRadius.circular(10),
    ),
    child: Row(
      children: [
        Icon(Icons.search, color: Colors.black54),
        Expanded(
          child: TextField(
            decoration: InputDecoration(
              hintText: "Search 'cookies'",
              border: InputBorder.none,
              contentPadding:
                EdgeInsets.symmetric(vertical: 10),
            ),
          ),
        ),
        Icon(Icons.mic, color: Colors.black54),
      ],
    ),
  ),
],

```

```

    ),
  ),
  Container(
    padding: EdgeInsets.symmetric(vertical: 10),
    child: Row(
      mainAxisAlignment: MainAxisAlignment.spaceEvenly,
      children: [
        _CategoryItem(icon: Icons.shopping_bag, label: "All"),
        _CategoryItem(icon: Icons.favorite, label: "Weddings"),
        _CategoryItem(icon: Icons.tv, label: "Electronics"),
        _CategoryItem(icon: Icons.brush, label: "Beauty"),
        _CategoryItem(icon: Icons.child_care, label: "Kids"),
        _CategoryItem(icon: Icons.card_giftcard, label: "Gifting"),
      ],
    ),
  ),
  Container(
    padding: EdgeInsets.all(16),
    decoration: BoxDecoration(
      color: Colors.yellow[100],
      borderRadius: BorderRadius.circular(10),
    ),
    child: Column(
      children: [
        Text("Welcome",
          style: GoogleFonts.poppins(
            fontSize: 22, fontWeight: FontWeight.bold)),
        Text("Order now to avail exciting offers!",
          style: GoogleFonts.poppins(fontSize: 14)),
        Row(
          mainAxisAlignment: MainAxisAlignment.spaceEvenly,
          children: [
            Text("Flat ₹50 OFF",
              style: GoogleFonts.poppins(
                fontSize: 16,
                fontWeight: FontWeight.bold,
                color: Colors.green)),
            Text("+", style: GoogleFonts.poppins(fontSize: 20)),
            Text("Free Delivery",
              style: GoogleFonts.poppins(
                fontSize: 16,
                fontWeight: FontWeight.bold,
                color: Colors.green)),
          ],
        ),
      ],
    ),
  ),

```

```

        ),
    ],
),
),
Padding(
    padding: const EdgeInsets.symmetric(horizontal: 16),
    child: Text(
        "Bestsellers",
        style: GoogleFonts.poppins(
            fontSize: 18, fontWeight: FontWeight.bold),
    ),
),
GridView.count(
    padding: const EdgeInsets.all(16),
    crossAxisCount: 3,
    shrinkWrap: true,
    physics: NeverScrollableScrollPhysics(),
    children: [
        _BestsellerItem(image: "assets/onion.jpg", count: "+135 more"),
        _BestsellerItem(
            image: "assets/oranges.jpg", count: "+320 more"),
        _BestsellerItem(image: "assets/lays.jpg", count: "+23 more"),
        _BestsellerItem(
            image: "assets/fortune.jpg", count: "+137 more"),
        _BestsellerItem(image: "assets/sprite.jpg", count: "+114 more"),
        _BestsellerItem(
            image: "assets/parle_g.jpg", count: "+135 more"),
    ],
),
],
),
);
}
}

```

```

class _CategoryItem extends StatelessWidget {
    final IconData icon;
    final String label;
    _CategoryItem({required this.icon, required this.label});

    @override
    Widget build(BuildContext context) {
        return Column(

```

```

    children: [
      Icon(icon, size: 28, color: Colors.black),
      Text(label, style: GoogleFonts.poppins(fontSize: 12)),
    ],
  );
}
}

```

```

class _BestsellerItem extends StatelessWidget {
  final String image;
  final String count;
  _BestsellerItem({required this.image, required this.count});

  @override
  Widget build(BuildContext context) {
    return Column(
      children: [
        Image.asset(image, height: 50, fit: BoxFit.cover),
        Text(count, style: GoogleFonts.poppins(fontSize: 12)),
      ],
    );
  }
}

```

categories.dart

```

import 'package:flutter/material.dart';

class CategoriesScreen extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      backgroundColor: Colors.white,
      appBar: AppBar(
        backgroundColor: Colors.amber.shade100,
        elevation: 0,
        title: Column(
          crossAxisAlignment: CrossAxisAlignment.start,
          children: [
            Text(
              "Blinkit in",
              style: TextStyle(fontSize: 14, color: Colors.black54),
            ),
            Text(
              "11 minutes",

```

```

        style: TextStyle(fontSize: 20, fontWeight: FontWeight.bold, color:
Colors.black),
      ),
      Text(
        "HOME - Ria Chaudhari, 202, Coral Nirmal ▼",
        style: TextStyle(fontSize: 14, color: Colors.black54),
      ),
    ],
  ),
  actions: [
    IconButton(
      icon: Icon(Icons.card_giftcard, color: Colors.black),
      onPressed: () {},
    ),
    IconButton(
      icon: Icon(Icons.person, color: Colors.black),
      onPressed: () {},
    ),
  ],
),
body: Column(
  children: [
    Padding(
      padding: const EdgeInsets.all(10.0),
      child: TextField(
        decoration: InputDecoration(
          hintText: 'Search "gifts"',
          prefixIcon: Icon(Icons.search, color: Colors.black54),
          suffixIcon: Icon(Icons.mic, color: Colors.black54),
          filled: true,
          fillColor: Colors.white,
          border: OutlineInputBorder(
            borderRadius: BorderRadius.circular(10),
            borderSide: BorderSide.none,
          ),
        ),
      ),
    ),
  ),
),
Expanded(
  child: SingleChildScrollView(
    child: Padding(
      padding: const EdgeInsets.all(10.0),
      child: Column(
        crossAxisAlignment: CrossAxisAlignment.start,

```

```

        children: [
          buildCategorySection(context, "Grocery & Kitchen", [
            {"name": "Vegetables & Fruits", "image":
"assets/vegetables_fruits.png"},
            {"name": "Atta, Rice & Dal", "image": "assets/atta_rice_dal.png"},
            {"name": "Oil, Ghee & Masala", "image": 'assets/oil_ghee_masala.jpg'},
            {"name": "Dairy, Bread & Eggs", "image":
"assets/dairy_bread_eggs.png"},
            {"name": "Bakery & Biscuits", "image": "assets/bakery_biscuits.png"},
            {"name": "Dry Fruits & Cereals", "image":
"assets/dry_fruits_cereals.png"},
            {"name": "Chicken, Meat & Fish", "image":
"assets/chicken_meat_fish.png"},
            {"name": "Kitchenware & Appliances", "image":
"assets/kitchenware_appliances.png"},
          ]),
          buildCategorySection(context, "Snacks & Drinks", [
            {"name": "Chips & Namkeen", "image": "assets/chips_namkeen.png"},
            {"name": "Sweets & Chocolates", "image":
"assets/sweets_chocolates.png"},
            {"name": "Drinks & Juices", "image": "assets/drinks_juices.png"},
            {"name": "Tea, Coffee & Milk Drinks", "image":
"assets/tea_coffee_milk.png"},
            {"name": "Instant Food", "image": "assets/instant_food.png"},
            {"name": "Sauces & Spreads", "image": "assets/sauces_spreads.png"},
            {"name": "Paan Corner", "image": "assets/paan_corner.png"},
            {"name": "Ice Creams & Desserts", "image":
"assets/icrecream_desserts.png"},
          ]),
        ],
      ),
    ),
  ),
),
Container(
  padding: EdgeInsets.all(10),
  color: Colors.blue.shade100,
  child: Row(
    mainAxisAlignment: MainAxisAlignment.center,
    children: [
      Icon(Icons.delivery_dining, color: Colors.blue.shade800),
      SizedBox(width: 5),
      Text("Get FREE delivery", style: TextStyle(fontWeight: FontWeight.bold,
color: Colors.blue.shade800)),
    ],
  ),
),

```



```

        SizedBox(width: 5),
        Text("on all orders above ₹149", style: TextStyle(color: Colors.black54)),
      ],
    ),
  ),
],
),
);
}

```

Widget buildCategorySection(BuildContext context, String title, List<Map<String, String>> categories) {

```

  return Column(
    crossAxisAlignment: CrossAxisAlignment.start,
    children: [
      SizedBox(height: 10),
      Text(
        title,
        style: TextStyle(fontSize: 18, fontWeight: FontWeight.bold),
      ),
      GridView.builder(
        shrinkWrap: true,
        physics: NeverScrollableScrollPhysics(),
        gridDelegate: SliverGridDelegateWithFixedCrossAxisCount(
          crossAxisCount: 4,
          crossAxisSpacing: 10,
          mainAxisSpacing: 10,
          childAspectRatio: 0.8,
        ),
        itemCount: categories.length,
        itemBuilder: (context, index) {
          return GestureDetector(
            onTap: () {
              if (categories[index]["name"] == "Bakery & Biscuits") {
                Navigator.pushNamed(context, '/bakery_biscuits');
              }
            },
            child: Column(
              children: [
                Container(
                  height: 60,
                  width: 60,
                  decoration: BoxDecoration(
                    color: Colors.grey.shade200,

```

```

        borderRadius: BorderRadius.circular(10),
        image: DecorationImage(
          image: AssetImage(categories[index]["image"]!),
          fit: BoxFit.cover,
        ),
      ),
    ),
    SizedBox(height: 5),
    Text(
      categories[index]["name"]!,
      textAlign: TextAlign.center,
      style: TextStyle(fontSize: 12),
    ),
  ],
),
);
},
),
],
);
}
}

```

bakery_biscuits.dart

```
import 'package:flutter/material.dart';
```

```

class BakeryBiscuitsPage extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(
        backgroundColor: Colors.amber.shade100,
        elevation: 0,
        title: Text(
          "Bakery & Biscuits",
          style: TextStyle(
            fontSize: 20, fontWeight: FontWeight.bold, color: Colors.black),
        ),
      leading: IconButton(
        icon: Icon(Icons.arrow_back, color: Colors.black),
        onPressed: () {
          Navigator.pop(context);
        },
      ),
    ),
  ),
)

```

```

),
body: Row(
  children: [
    // Sidebar Categories with Images
    Container(
      width: 100,
      color: Colors.white,
      child: ListView(
        children: [
          CategoryTile(
            label: 'Cookies',
            image: 'assets/cookies.png',
            isSelected: true),
          CategoryTile(
            label: 'Cream Biscuits',
            image: 'assets/cream_biscuits.png'),
          CategoryTile(
            label: 'Healthy & Digestive',
            image: 'assets/healthy_digestive.png'),
          CategoryTile(
            label: 'Sweet & Salty', image: 'assets/sweet_salty.png'),
          CategoryTile(
            label: 'Glucose & Marie',
            image: 'assets/glucose_marie.png'),
          CategoryTile(
            label: 'Rusks & Wafers', image: 'assets/rusks_wafers.png'),
          CategoryTile(
            label: 'Cakes & Rolls', image: 'assets/cakes_rolls.png'),
          CategoryTile(
            label: 'Baking Ingredients',
            image: 'assets/baking_ingredients.png'),
        ],
      ),
    ),
    Expanded(
      child: Column(
        children: [
          Expanded(
            child: GridView.builder(
              padding: EdgeInsets.all(8),
              gridDelegate: SliverGridDelegateWithFixedCrossAxisCount(
                crossAxisCount: 2,
                crossAxisSpacing: 10,
                mainAxisSpacing: 10,

```

```

        childAspectRatio: 0.7,
      ),
      itemCount: products.length,
      itemBuilder: (context, index) {
        return ProductTile(product: products[index]);
      },
    ),
  ),
],
),
),
],
),
);
}
}

```

```

class CategoryTile extends StatelessWidget {
  final String label;
  final String image;
  final bool isSelected;

```

```

  CategoryTile(
    {required this.label, required this.image, this.isSelected = false});

```

```

  @override

```

```

  Widget build(BuildContext context) {
    return Padding(
      padding: const EdgeInsets.symmetric(vertical: 8.0),
      child: Column(
        children: [
          Container(
            height: 50,
            width: 50,
            decoration: BoxDecoration(
              borderRadius: BorderRadius.circular(10),
              image: DecorationImage(
                image: AssetImage(image),
                fit: BoxFit.cover,
              ),
            ),
          ),
          SizedBox(height: 5),
          Text(

```

```

        label,
        textAlign: TextAlign.center,
        style: TextStyle(
          color: isSelected ? Colors.green : Colors.black,
          fontWeight: isSelected ? FontWeight.bold : FontWeight.normal,
        ),
      ),
    ],
  ),
);
}
}

```

```

class ProductTile extends StatelessWidget {
  final Product product;

```

```

  ProductTile({required this.product});

```

```

  @override

```

```

  Widget build(BuildContext context) {

```

```

    return Card(

```

```

      shape: RoundedRectangleBorder(borderRadius: BorderRadius.circular(10)),

```

```

      child: Column(

```

```

        crossAxisAlignment: CrossAxisAlignment.start,

```

```

        children: [

```

```

          Expanded(

```

```

            child: Image.network(

```

```

              product.imageUrl,

```

```

              fit: BoxFit.cover,

```

```

              width: double.infinity,

```

```

            ),

```

```

          ),

```

```

          Padding(

```

```

            padding: const EdgeInsets.all(8.0),

```

```

            child: Text(

```

```

              product.name,

```

```

              style: TextStyle(fontWeight: FontWeight.bold),

```

```

            ),

```

```

          ),

```

```

          Padding(

```

```

            padding: const EdgeInsets.symmetric(horizontal: 8.0),

```

```

            child: Row(

```

```

              mainAxisAlignment: MainAxisAlignment.spaceBetween,

```

```

              children: [

```

```

        Text(
            '₹${product.price}',
            style: TextStyle(
                color: Colors.green, fontWeight: FontWeight.bold),
        ),
        ElevatedButton(
            onPressed: () {},
            child: Text('ADD'),
        ),
    ],
),
),
],
),
);
}
}

```

```

class Product {
    final String name;
    final String imageUrl;
    final double price;

```

```

    Product({required this.name, required this.imageUrl, required this.price});
}

```

```

List<Product> products = [
    Product(
        name: 'Sunfeast Baked Creations Walnut & Choco Chip Cookies',
        imageUrl: 'assets/sunfeast_cookies.png',
        price: 134.0),
    Product(
        name: 'Hide & Seek Chocolate Chip Cookies (100 g)',
        imageUrl: 'assets/hide_seek_100.png',
        price: 29.0),
    Product(
        name: 'Hide & Seek Chocolate Chip Cookies (200 g)',
        imageUrl: 'assets/hide_seek_200.png',
        price: 45.0),
    Product(
        name: 'Britannia Good Day Cashew Biscuit',
        imageUrl: 'assets/britannia_goodday.png',
        price: 49.0),
];

```

pubsec.yaml:

flutter:

assets:

- assets\blinkit_onboarding_screen.png
- assets\blinkit_logo.png
- assets\fortune.jpg
- assets\lays.jpg
- assets\onion.jpg
- assets\oranges.jpg
- assets\parle_g.jpg
- assets\sprite.jpg
- assets\atta_rice_dal.png
- assets\bakery_biscuits.png
- assets\dairy_bread_eggs.png
- assets\oil_ghee_masala.jpg
- assets\vegetables_fruits.png
- assets\dry_fruits_cereals.png
- assets\kitchenware_appliances.png
- assets\chips_namkeen.png
- assets\chicken_meat_fish.png
- assets\icrecream_desserts.png
- assets\instant_food.png
- assets\paan_corner.png
- assets\sauces_spreads.png
- assets\sweets_chocolates.png
- assets\tea_coffee_milk.png
- assets\drinks_juices.png
- assets\hide_seek_100.png
- assets\sunfeast_cookies.png
- assets\hide_seek_200.png
- assets\brittania_goodday.png
- assets\lotus_biscoff.png
- assets\nankhatai.png
- assets\cookies.png
- assets\cream_biscuits.png
- assets\sweet_salty.png
- assets\glucose_marie.png
- assets\rusks_wafers.png
- assets\cakes_rolls.png
- assets\baking_ingredients.png
- assets\healthy_digestive.png

dependencies:

flutter:

 sdk: flutter

The following adds the Cupertino Icons font to your application.

Use with the CupertinoIcons class for iOS style icons.

cupertino_icons: ^1.0.8

google_fonts: ^6.2.1

lucide_icons: ^0.257.0

Output:



