

EXPERIMENT 3

AIM: To include icons, Prequisite, fonts in Flutter app

CODE:

```
import 'package:flutter/material.dart';
import 'aboutus.dart';
import 'profile_page.dart';
import 'donate.dart';
import 'need_blood.dart';
import 'map_page.dart';
import 'beneficiary_page.dart';

class Dashboard extends StatefulWidget {
  final String uid;

  const Dashboard({Key? key, required this.uid}) : super(key: key);

  @override
  _DashboardState createState() => _DashboardState();
}

class _DashboardState extends State<Dashboard> {
  int _selectedIndex = 0;

  late List<Widget> _pages;

  @override
  void initState() {
    super.initState();
    _pages = [
      _buildHomeScreen(),
      AboutUsPage(),
      ProfilePage(uid: widget.uid),
    ];
  }

  Widget _buildHomeScreen() {
    return SingleChildScrollView(
      child: Column(
        children: [
          const SizedBox(height: 38),
```

```
// **Banner Image**
Container(
  width: double.infinity,
  height: 200,
  margin: const EdgeInsets.symmetric(horizontal: 10),
  decoration: BoxDecoration(
    borderRadius: BorderRadius.circular(10),
    image: const DecorationImage(
      image: AssetImage('assets/images/banner.jpg'),
      fit: BoxFit.cover,
    ),
  ),
),
),
),

const SizedBox(height: 20),

// **First Row: Nearby Hospitals & Beneficiaries**
Padding(
  padding: const EdgeInsets.symmetric(horizontal: 20),
  child: Row(
    children: [
      Expanded(
        child: _buildLargeButton(
          text: 'Nearby Hospitals',
          icon: Icons.local_hospital,
          onTap: () {
            Navigator.push(
              context,
              MaterialPageRoute(builder: (context) => HospitalPage()),
            );
          },
        ),
      ),
      const SizedBox(width: 15),
      Expanded(
        child: _buildLargeButton(
          text: 'Beneficiaries',
          icon: Icons.people,
          onTap: () {
            Navigator.push(
              context,
              MaterialPageRoute(builder: (context) => BeneficiaryPage()),
            );
          },
        ),
      ),
    ],
  ),
),
```

```
    ),
    ),
  ],
),
),

const SizedBox(height: 15),

// **Second Row: Need Blood & Donate**
Padding(
  padding: const EdgeInsets.symmetric(horizontal: 20),
  child: Row(
    children: [
      Expanded(
        child: _buildLargeButton(
          text: 'Need Blood',
          icon: Icons.bloodtype,
          onTap: () {
            Navigator.push(
              context,
              MaterialPageRoute(builder: (context) => NeedBloodPage(uid: widget.uid)),
            );
          },
        ),
      ),
      const SizedBox(width: 15),
      Expanded(
        child: _buildLargeButton(
          text: 'Donate Blood',
          icon: Icons.volunteer_activism,
          onTap: () {
            Navigator.push(
              context,
              MaterialPageRoute(builder: (context) => DonatePage()),
            );
          },
        ),
      ),
    ],
  ),
),
);
```

```
}
```

```
Widget _buildLargeButton({required String text, required IconData icon, required VoidCallback onTap}) {
```

```
  return ElevatedButton(
    style: ElevatedButton.styleFrom(
      backgroundColor: Colors.red,
      padding: const EdgeInsets.symmetric(vertical: 25), // Increased height
      shape: RoundedRectangleBorder(borderRadius: BorderRadius.circular(10)),
      minimumSize: const Size(double.infinity, 60),
    ),
    onPressed: onTap,
    child: Column(
      mainAxisAlignment: MainAxisAlignment.center,
      children: [
        Icon(icon, color: Colors.white, size: 28),
        const SizedBox(height: 5),
        Text(
          text,
          textAlign: TextAlign.center,
          style: const TextStyle(fontSize: 16, color: Colors.white, fontWeight: FontWeight.bold),
        ),
      ],
    ),
  );
}
```

```
void _onItemTapped(int index) {
  setState(() {
    _selectedIndex = index;
  });
}
```

```
@override
Widget build(BuildContext context) {
  return Scaffold(
    appBar: _selectedIndex == 0
      ? AppBar(
          title: const Text('Blood Donation App'),
          backgroundColor: Colors.red,
        )
      : null,
    body: _pages[_selectedIndex],
    bottomNavigationBar: BottomNavigationBar(
```

```
type: BottomNavigationBarType.fixed,
selectedItemColor: Colors.red,
unselectedItemColor: Colors.grey,
currentIndex: _selectedIndex,
onTap: _onItemTapped,
items: const [
  BottomNavigationBarItem(
    icon: Icon(Icons.home),
    label: 'Home',
  ),
  BottomNavigationBarItem(
    icon: Icon(Icons.info),
    label: 'About Us',
  ),
  BottomNavigationBarItem(
    icon: Icon(Icons.person),
    label: 'Profile',
  ),
],
),
);
}
```

OUTPUT :

