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import 'package:flutter/material.dart';

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

class CourseDashboardApp extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      title: 'Course Dashboard',
      theme: ThemeData(
        primarySwatch: Colors.blue,
        fontFamily: 'Roboto',
      ),
      home: CourseDashboardHome(),
      debugShowCheckedModeBanner: false,
    );
  }
}

class CourseDashboardHome extends StatefulWidget {
  @override
  _CourseDashboardHomeState createState() => _CourseDashboardHomeState();
}

class _CourseDashboardHomeState extends State<CourseDashboardHome> {
  int _currentIndex = 0;
  final List<String> _tabTitles = ['Home', 'Courses', 'Profile'];
  bool _isButtonExpanded = false;
  String _selectedCategory = 'Science';
  final List<String> _categories = ['Science', 'Arts', 'Technology', 'Business', 'Health'];

  // Sample course data
  final List<Map<String, dynamic>> _courses = [
    {
      'name': 'Introduction to Flutter',
      'instructor': 'Dr. Sarah Johnson',
      'icon': Icons.code,
      'color': Colors.blue,
    },
    {
      'name': 'Data Structures',
      'instructor': 'Prof. Michael Chen',
      'icon': Icons.computer,
      'color': Colors.green,
    },
    {
      'name': 'Web Development',
      'instructor': 'Dr. Emily Williams',
      'icon': Icons.web,
      'color': Colors.orange,
    },
    {
      'name': 'Machine Learning',
      'instructor': 'Prof. Robert Davis',
      'icon': Icons.psychology,
    }
  ]
}

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        'color': Colors.purple,
      },
      {
        'name': 'Digital Art',
        'instructor': 'Ms. Jessica Parker',
        'icon': Icons.brush,
        'color': Colors.pink,
      },
    ],
  ];

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@override
Widget build(BuildContext context) {
  return Scaffold(
    appBar: AppBar(
      title: Text('Course Dashboard'),
      backgroundColor: Colors.blue[700],
      elevation: 5,
    ),
    body: _buildBody(),
    bottomNavigationBar: _buildBottomNavigationBar(),
    floatingActionButton: _buildAnimatedButton(),
    floatingActionButtonLocation: FloatingActionButtonLocation.centerDocked,
  );
}

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Widget _buildBody() {
  switch (_currentIndex) {
    case 0:
      return _buildHomeTab();
    case 1:
      return _buildCoursesTab();
    case 2:
      return _buildProfileTab();
    default:
      return _buildHomeTab();
  }
}

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Widget _buildHomeTab() {
  return Container(
    padding: EdgeInsets.all(20),
    child: Column(
      crossAxisAlignment: CrossAxisAlignment.center,
      children: [
        Text(
          'Welcome to Your Dashboard',
          style: TextStyle(
            fontSize: 24,
            fontWeight: FontWeight.bold,
            color: Colors.blue[800],
          ),
        ),
        SizedBox(height: 20),
        Card(
          elevation: 5,
          shape: RoundedRectangleBorder(
            borderRadius: BorderRadius.circular(15),

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        fontSize: 24,
        fontWeight: FontWeight.bold,
        color: Colors.blue[800],
      ),
    ),
  ),
  Expanded(
    child: ListView.builder(
      itemCount: _courses.length,
      itemBuilder: (context, index) {
        return _buildCourseCard(_courses[index]);
      },
    ),
  ),
],
);
}

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Widget _buildCourseCard(Map<String, dynamic> course) {
  return Card(
    margin: EdgeInsets.symmetric(horizontal: 16, vertical: 8),
    elevation: 4,
    shape: RoundedRectangleBorder(
      borderRadius: BorderRadius.circular(15),
    ),
    child: ListTile(
      leading: Icon(
        course['icon'],
        color: course['color'],
        size: 32,
      ),
      title: Text(
        course['name'],
        style: TextStyle(
          fontSize: 18,
          fontWeight: FontWeight.bold,
        ),
      ),
      subtitle: Text(
        'Instructor: ${course['instructor']}',
        style: TextStyle(
          fontSize: 14,
        ),
      ),
      trailing: Icon(Icons.arrow_forward_ios, color: Colors.blue),
      onTap: () {
        // Handle course selection
        print('Selected course: ${course['name']}');
      },
    ),
  );
}

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Widget _buildProfileTab() {
  return Container(
    padding: EdgeInsets.all(20),
    child: Column(

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crossAxisAlignment: CrossAxisAlignment.center,
children: [
  CircleAvatar(
    radius: 60,
    backgroundImage: NetworkImage(
      'https://images.unsplash.com/photo-1535713875002-d1d0cf377fde?ixlib=rb-
4.0.3&ixid=M3wxMjA3fDB8MHxzZWZyY2h8M3x8cHJvZmlsZSUyMHBpY3R1cmV8ZW58MHx8MHx8fDA
%3D&auto=format&fit=crop&w=500&q=60'),
    ),
  SizedBox(height: 20),
  Text(
    'John Doe',
    style: TextStyle(
      fontSize: 24,
      fontWeight: FontWeight.bold,
    ),
  ),
  ),
  SizedBox(height: 10),
  Text(
    'Computer Science Student',
    style: TextStyle(
      fontSize: 16,
      color: Colors.grey[600],
    ),
  ),
  ),
  SizedBox(height: 30),
  ElevatedButton.icon(
    onPressed: () {
      _showExitConfirmationDialog();
    },
    icon: Icon(Icons.logout),
    label: Text('Logout'),
    style: ElevatedButton.styleFrom(
      backgroundColor: Colors.red,
      padding: EdgeInsets.symmetric(horizontal: 30, vertical: 15),
    ),
  ),
  ),
],
),
);
}

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Widget _buildBottomNavigationBar() {
  return BottomNavigationBar(
    currentIndex: _currentIndex,
    onTap: (index) {
      setState(() {
        _currentIndex = index;
      });
    },
    items: [
      BottomNavigationBarItem(
        icon: Icon(Icons.home),
        label: 'Home',
      ),
      BottomNavigationBarItem(
        icon: Icon(Icons.school),

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        label: 'Courses',
      ),
      BottomNavigationBarItem(
        icon: Icon(Icons.person),
        label: 'Profile',
      ),
    ],
    selectedItemColor: Colors.blue[700],
    unselectedItemColor: Colors.grey[600],
  );
}

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Widget _buildAnimatedButton() {
  return AnimatedContainer(
    duration: Duration(milliseconds: 300),
    width: _isButtonExpanded ? 200 : 56,
    height: 56,
    decoration: BoxDecoration(
      color: Colors.blue[700],
      borderRadius: BorderRadius.circular(28),
      boxShadow: [
        BoxShadow(
          color: Colors.black.withOpacity(0.2),
          blurRadius: 8,
          offset: Offset(0, 3),
        ),
      ],
    ),
    child: InkWell(
      borderRadius: BorderRadius.circular(28),
      onTap: () {
        setState(() {
          _isButtonExpanded = !_isButtonExpanded;
        });
      },
      child: Row(
        mainAxisAlignment: MainAxisAlignment.center,
        children: [
          Icon(
            Icons.add,
            color: Colors.white,
          ),
          if (_isButtonExpanded)
            Padding(
              padding: EdgeInsets.only(left: 8),
              child: Text(
                'Enroll in Course',
                style: TextStyle(
                  color: Colors.white,
                  fontWeight: FontWeight.bold,
                ),
              ),
            ),
        ],
      ),
    ),
  );
}

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}

Widget _buildCategoryDropdown() {
  return Container(
    padding: EdgeInsets.symmetric(horizontal: 16),
    decoration: BoxDecoration(
      color: Colors.blue[50],
      borderRadius: BorderRadius.circular(10),
      border: Border.all(color: Colors.blue[200]!),
    ),
    child: DropdownButtonHideUnderline(
      child: DropdownButton<String>{
        value: _selectedCategory,
        isExpanded: true,
        icon: Icon(Icons.arrow_drop_down, color: Colors.blue),
        items: _categories.map((String value) {
          return DropdownMenuItem<String>{
            value: value,
            child: Text(value),
          };
        }).toList(),
        onChanged: (newValue) {
          setState(() {
            _selectedCategory = newValue!;
          });
        },
      ),
    ),
  );
}

void _showExitConfirmationDialog() {
  showDialog(
    context: context,
    builder: (BuildContext context) {
      return AlertDialog(
        title: Text('Confirm Exit'),
        content: Text('Are you sure you want to exit the app?'),
        actions: [
          TextButton(
            onPressed: () {
              Navigator.of(context).pop();
            },
            child: Text('No'),
          ),
          TextButton(
            onPressed: () {
              // Close the app
              Navigator.of(context).pop();
              // For a real app, you might use SystemNavigator.pop()
              // SystemNavigator.pop();
            },
            child: Text('Yes'),
          ),
        ],
      );
    },
  );
}

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);  
}  
}
```