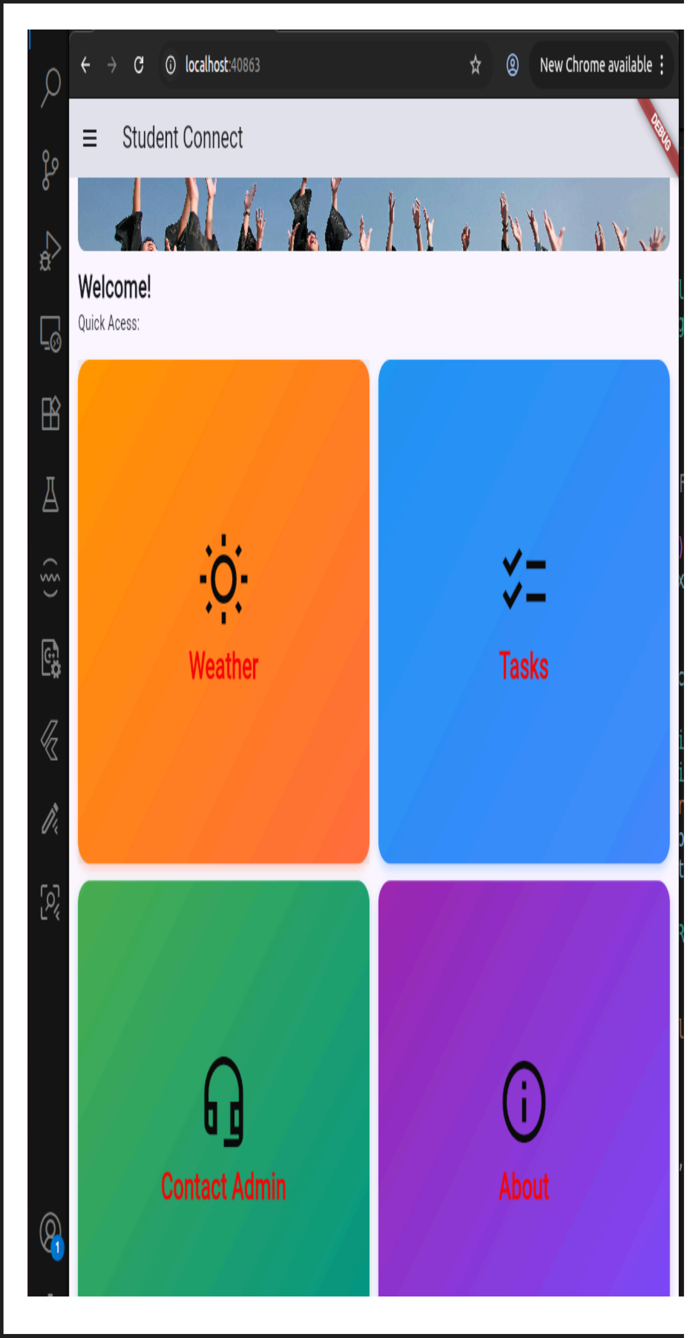
```dart
import 'package:flutter/material.dart';
import 'home_screen.dart';
import 'weather_screen.dart';
import 'task_screen.dart';
import 'contactadmin_screen.dart';
import 'about_screen.dart';

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

class StudentConnectApp extends StatelessWidget {
 @override
 Widget build(BuildContext context) {
   return MaterialApp(
     title: 'Student Connect',
     theme: ThemeData(
       colorScheme: ColorScheme.fromSeed(seedColor: Colors.indigo),
       useMaterial3: true,
     ),
     initialRoute: '/',
     routes: {
       '/': (context) => HomeScreen(),
       '/weather': (context) => WeatherScreen(),
       '/tasks': (context) => TasksScreen(),
       '/contact': (context) => ContactAdminScreen(),
       '/about': (context) => AboutScreen(),
     },
   );
 }
}
```

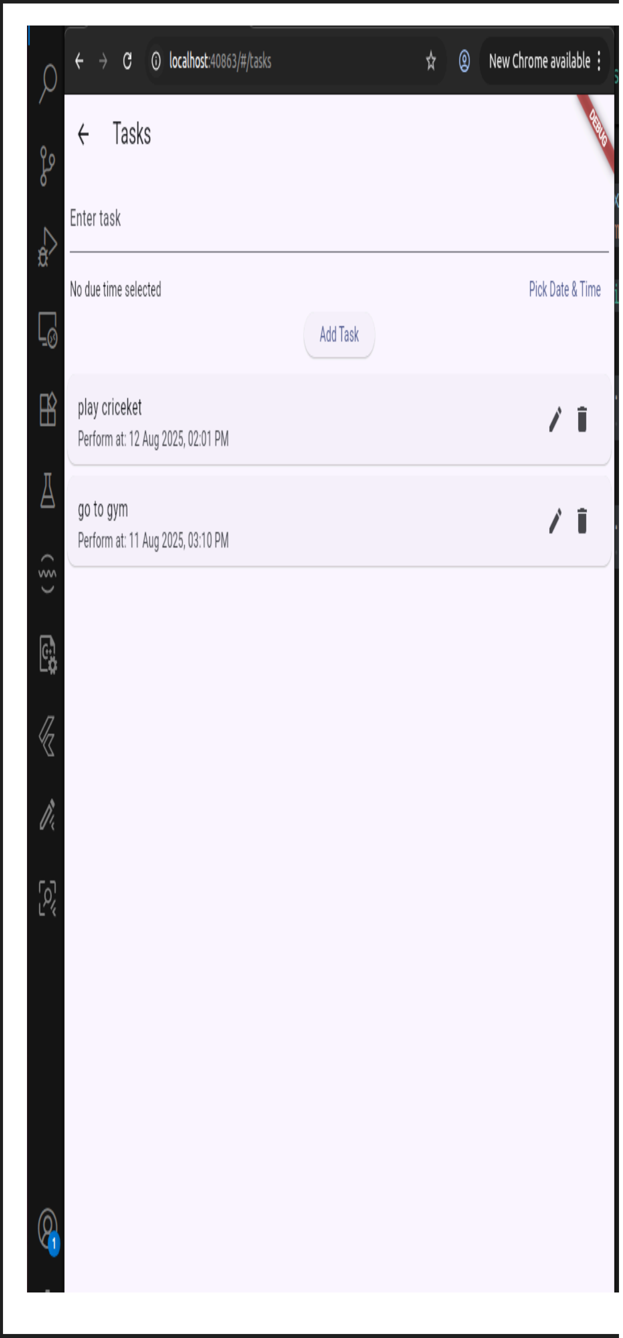
```dart
import 'package:flutter/material.dart';

class HomeScreen extends
StatelessWidget {
 const HomeScreen({super.key});

 @override
 Widget build(BuildContext
context) {
   final features = [
     {
       "title": "Weather",
       "icon":
Icons.wb_sunny_outlined,
       "route": "/weather",
       "colors": [Colors.orange,
Colors.deepOrangeAccent],
     },
     {
       "title": "Tasks",
       "icon":
Icons.checklist_outlined,
       "route": "/tasks",
       "colors": [Colors.blue,
Colors.blueAccent],
     },
     {
       "title": "Contact Admin",
       "icon":
Icons.headset_mic_outlined,
       "route": "/contact",
       "colors": [Colors.green,
Colors.teal],
     },
     {
       "title": "About",
       "icon": Icons.info_outline,
       "route": "/about",
       "colors": [Colors.purple, Colors.deepPurpleAccent],
     },
```



```dart
  ];

  return Scaffold(
    appBar: AppBar(title: Text('Student Connect')),
    drawer: Drawer(
      child: ListView(
        padding: EdgeInsets.zero,
        children: [
          DrawerHeader(
            decoration: BoxDecoration(color: Colors.indigo),
            child: Column(
              crossAxisAlignment: CrossAxisAlignment.start,
              children: [
                CircleAvatar(radius: 28, backgroundColor: Colors.white),
                SizedBox(height: 8),
                Text(
                  'Welcome, Student',
                  style: TextStyle(color: Colors.white, fontSize: 16),
                ),
              ],
            ),
          ),
          _drawerItem(context, Icons.home, 'Home', '/'),
          _drawerItem(context, Icons.cloud, 'Weather', '/weather'),
          _drawerItem(context, Icons.task, 'Tasks', '/tasks'),
          _drawerItem(
            context,
            Icons.contact_mail,
            'Contact Admin',
            '/contact',
          ),
          _drawerItem(context, Icons.info, 'About', '/about'),
        ],
      ),
    ),
    body: SingleChildScrollView(
      padding: EdgeInsets.all(12),
      child: Column(
        crossAxisAlignment: CrossAxisAlignment.start,
        children: [
           ClipRRect(
             borderRadius: BorderRadius.circular(10),
             child: Image.asset(
               'assets/banner.jpg',
               height: 160,
               width: double.infinity,
               fit: BoxFit.cover,
             ),
           ),
           SizedBox(height: 10),
           Text(
             'Welcome!',
             style: TextStyle(fontSize: 22, fontWeight: FontWeight.bold),
           ),
           Text('Quick Acess:'),
           SizedBox(height: 16),
           GridView.builder(
             shrinkWrap: true,
             physics: NeverScrollableScrollPhysics(),
             gridDelegate: SliverGridDelegateWithFixedCrossAxisCount(
               crossAxisCount: 2,
               childAspectRatio: 1.1,
               crossAxisSpacing: 12,
               mainAxisSpacing: 12,
             ),
             itemCount: features.length,
             itemBuilder: (context, index) {
               final item = features[index];
               return InkWell(
                 onTap: () =>
                     Navigator.pushNamed(context, item["route"] as
String),
                 child: Container(
                   decoration: BoxDecoration(
                     gradient: LinearGradient(
                       colors: item["colors"] as List<Color>,
                       begin: Alignment.topLeft,
                       end: Alignment.bottomRight,
                     ),
                     borderRadius: BorderRadius.circular(16),
                     boxShadow: [
                       BoxShadow(
                         color: (item["colors"] as
List<Color>)[1].withOpacity(
                           0.3,
                         ),
                         blurRadius: 6,
                         offset: Offset(0, 4),
                       ),
                     ],
                   ),
                   child: Column(
                     mainAxisAlignment: MainAxisAlignment.center,
                     children: [
                       Icon(
                         item["icon"] as IconData,
                         size: 70,
                         color: const Color.fromARGB(255, 14, 13, 13),
                       ),
                       SizedBox(height: 8),
                       Text(
                         item["title"] as String,
                         style: TextStyle(
                           color: const Color.fromARGB(255, 249, 8, 8),
                           fontWeight: FontWeight.bold,
                           fontSize: 25,
                         ),
                         textAlign: TextAlign.center,
                       ),
                     ],
                   ),
                 ),
               );
             },
           ),
         ],
       ),
     ),
   );
 }
```

```dart
 Widget _drawerItem(
   BuildContext ctx,
   IconData icon,
   String title,
   String route,
 ) {
   return ListTile(
     leading: Icon(icon),
     title: Text(title),
     onTap: () => Navigator.pushNamed(ctx, route),
   );
 }
}
```

```
import 'package:flutter/material.dart';
import 'package:shared_preferences/shared_preferences.dart';
import 'dart:convert';
import 'package:intl/intl.dart';

class TasksScreen extends
StatefulWidget {
 @override
 _TasksScreenState createState() =>
_TasksScreenState();
}

class _TasksScreenState extends
State<TasksScreen> {
 List<Map<String, String>> tasks =
[];
 final TextEditingController
taskController =
TextEditingController();
 DateTime? selectedDateTime; // Store
selected due date & time

 @override
 void initState() {
   super.initState();
   loadTasks();
 }

 Future<void> loadTasks() async {
   final prefs = await
SharedPreferences.getInstance();
   final List<String> storedTasks =
prefs.getStringList('tasks') ?? [];

   setState(() {
     tasks = storedTasks.map((item) {
       return Map<String, String>.from(json.decode(item));
     }).toList();
   });
 }
```

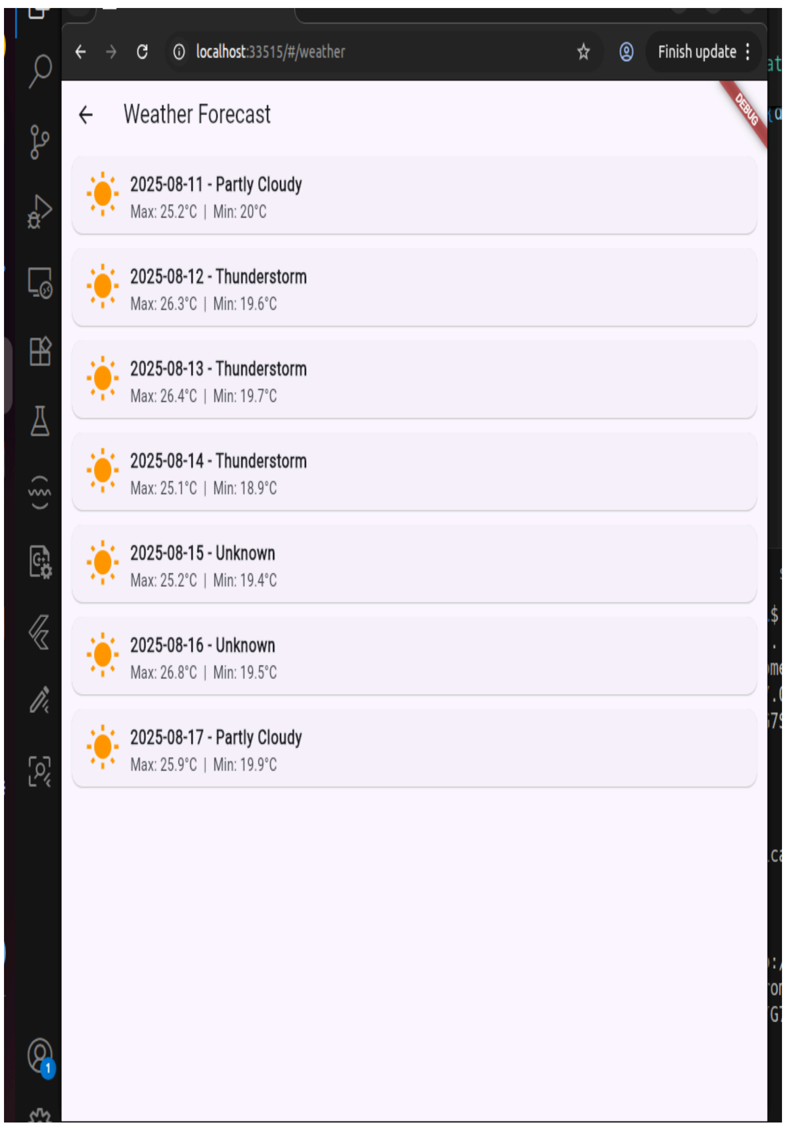


play criceket
Perform at: 12 Aug 2025, 02:01 PM

go to gym
Perform at: 11 Aug 2025, 03:10 PM

```
Future<void> saveTasks() async {
  final prefs = await SharedPreferences.getInstance();
  final List<String> stringTasks = tasks
      .map((task) => json.encode(task))
      .toList();
  prefs.setStringList('tasks', stringTasks);
}

Future<void> pickDueDateTime() async {
  // Pick Date
  DateTime? pickedDate = await showDatePicker(
    context: context,
    initialDate: DateTime.now(),
    firstDate: DateTime.now(),
    lastDate: DateTime(2100),
  );

  if (pickedDate != null) {
    // Pick Time
    TimeOfDay? pickedTime = await showTimePicker(
      context: context,
      initialTime: TimeOfDay.now(),
    );

    if (pickedTime != null) {
      setState(() {
        selectedDateTime = DateTime(
          pickedDate.year,
          pickedDate.month,
          pickedDate.day,
          pickedTime.hour,
          pickedTime.minute,
        );
      });
    }
  }
}

void addTask() {
  if (taskController.text.isNotEmpty && selectedDateTime != null) {
    final dueTimeFormatted = DateFormat(
      'dd MMM yyyy, hh:mm a',
    ).format(selectedDateTime!);

    final newTask = {
      "task": taskController.text,
      "dueTime": dueTimeFormatted,
    };

    setState(() {
      tasks.add(newTask);
      taskController.clear();
      selectedDateTime = null;
    });
    saveTasks();
  }
}

void deleteTask(int index) {
  setState(() {
    tasks.removeAt(index);
  });
  saveTasks();
}

void editTask(int index) {
  taskController.text = tasks[index]['task']!;
  deleteTask(index);
}

@override
Widget build(BuildContext context) {
  return Scaffold(
    appBar: AppBar(title: Text('Tasks')),
    body: Column(
      children: [
        Padding(
          padding: const EdgeInsets.all(8.0),
          child: Column(
           children: [
             TextField(
               controller: taskController,
               decoration: InputDecoration(labelText: 'Enter task'),
             ),
             SizedBox(height: 10),
             Row(
               children: [
                 Expanded(
                   child: Text(
                     selectedDateTime == null
                         ? 'No due time selected'
                         : 'Due: ${DateFormat('dd MMM yyyy, hh:mm
a').format(selectedDateTime!)}',
                   ),
                 ),
                 TextButton(
                   onPressed: pickDueDateTime,
                   child: Text('Pick Date & Time'),
                 ),
               ],
             ),
             ElevatedButton(onPressed: addTask, child: Text('Add
Task')),
           ],
         ),
       ),
       Expanded(
         child: ListView.builder(
           itemCount: tasks.length,
           itemBuilder: (context, index) {
             return Card(
               child: ListTile(
                 title: Text(tasks[index]['task'] ?? ''),
                 subtitle: Text("Perform at:
${tasks[index]['dueTime']}"),
                 trailing: Row(
                   mainAxisSize: MainAxisSize.min,
                   children: [
                     IconButton(
                       icon: Icon(Icons.edit),
                       onPressed: () => editTask(index),
                     ),
                     IconButton(
                       icon: Icon(Icons.delete),
                       onPressed: () => deleteTask(index),
                     ),
                   ],
                 ),
               ),
             );
           },
         ),
       ),
     ],
   ),
 );
}
}
```

```
import 'package:flutter/material.dart';
import 'package:http/http.dart' as
http;
import 'dart:convert';

class WeatherScreen extends
StatefulWidget {
 @override
 _WeatherScreenState createState()
=> _WeatherScreenState();
}

class _WeatherScreenState extends
State<WeatherScreen> {
 List<Map<String, dynamic>>
forecast = [];

 @override
 void initState() {
   super.initState();
   fetchWeather();
 }

 Future<void> fetchWeather() async
{
   final url = Uri.parse(
```



localhost:33515/#/weather

Finish update

DEBUG

Weather Forecast

2025-08-11 - Partly Cloudy
Max: 25.2°C | Min: 20°C

2025-08-12 - Thunderstorm
Max: 26.3°C | Min: 19.6°C

2025-08-13 - Thunderstorm
Max: 26.4°C | Min: 19.7°C

2025-08-14 - Thunderstorm
Max: 25.1°C | Min: 18.9°C

2025-08-15 - Unknown
Max: 25.2°C | Min: 19.4°C

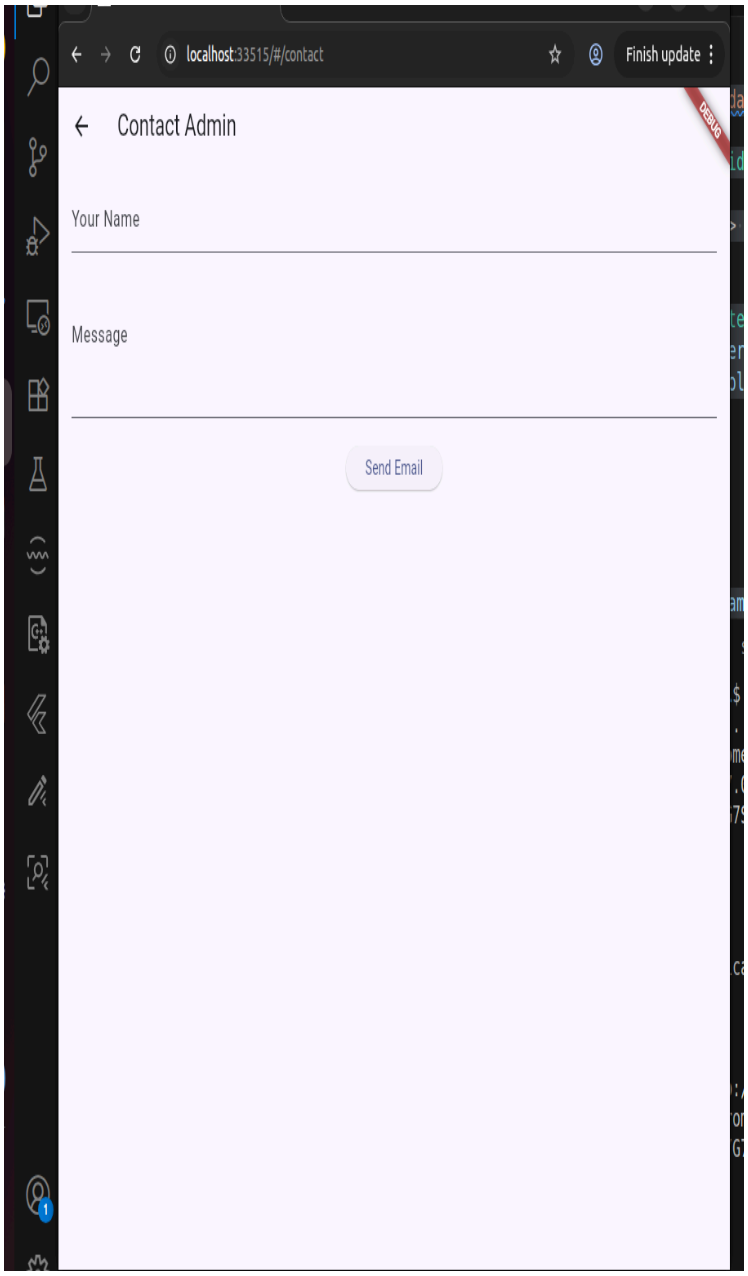
2025-08-16 - Unknown
Max: 26.8°C | Min: 19.5°C

2025-08-17 - Partly Cloudy
Max: 25.9°C | Min: 19.9°C

```
'https://api.open-meteo.com/v1/forecast'
     '?latitude=12.9716&longitude=77.5946'
     '&daily=temperature_2m_max,temperature_2m_min,weathercode'
     '&timezone=auto',
   );

   final response = await http.get(url);
   if (response.statusCode == 200) {
     final data = json.decode(response.body);

     final dates = data['daily']['time'] as List;
     final maxTemps = data['daily']['temperature_2m_max'] as List;
```

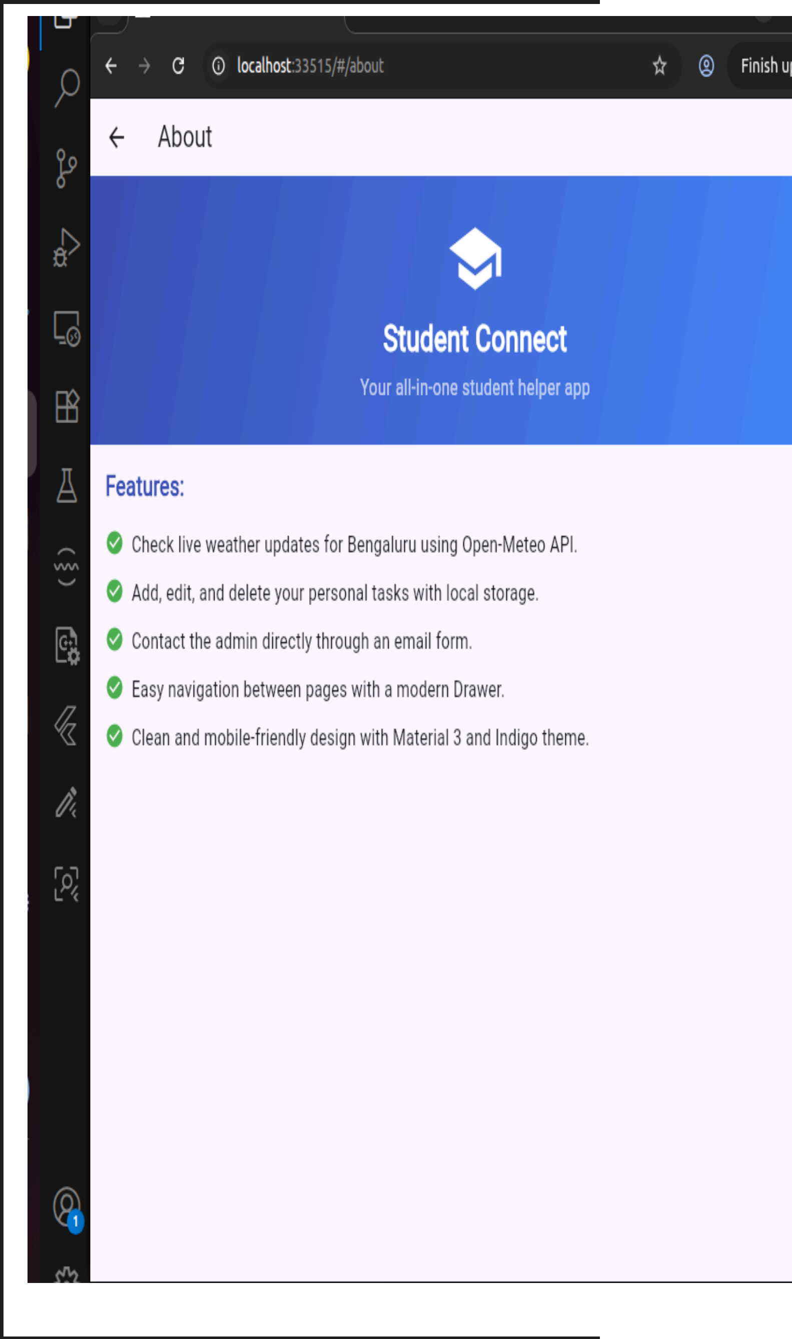
```
    final minTemps = data['daily']['temperature_2m_min'] as List;
    final codes = data['daily']['weathercode'] as List;

    setState(() {
      forecast = List.generate(dates.length, (i) {
        return {
          "date": dates[i],
          "max": "${maxTemps[i]}°C",
          "min": "${minTemps[i]}°C",
          "condition": getWeatherDescription(codes[i]),
        };
      });
    });
  }
}

String getWeatherDescription(int code) {
  switch (code) {
    case 0:
      return "Clear Sky";
    case 1:
    case 2:
    case 3:
      return "Partly Cloudy";
    case 45:
    case 48:
      return "Fog";
    case 51:
    case 53:
    case 55:
      return "Drizzle";
    case 61:
    case 63:
    case 65:
      return "Rain";
    case 71:
    case 73:
    case 75:
      return "Snow";
    case 95:
      return "Thunderstorm";
    default:
      return "Unknown";
  }
}

@override
Widget build(BuildContext context) {
  return Scaffold(
    appBar: AppBar(title: Text('Weather Forecast')),
    body: forecast.isEmpty
        ? Center(child: CircularProgressIndicator())
        : ListView.builder(
            itemCount: forecast.length,
            itemBuilder: (context, index) {
              final day = forecast[index];
              return Card(
                margin: EdgeInsets.symmetric(horizontal: 12, vertical:
6),
                shape: RoundedRectangleBorder(
                  borderRadius: BorderRadius.circular(12),
                ),
                child: ListTile(
                  leading: Icon(
                    Icons.wb_sunny,
                    color: Colors.orange,
                    size: 40,
                  ),
                  title: Text(
                    "${day['date']} - ${day['condition']}",
                    style: TextStyle(fontWeight: FontWeight.bold),
                  ),
                  subtitle: Text("Max: ${day['max']}  |  Min:
${day['min']}"),
                ),
              );
            },
          ),
  );
} }
```

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

class ContactAdminScreen
extends StatefulWidget {
 @override
 _ContactAdminScreenState
createState() =>
_ContactAdminScreenState();
}

class
_ContactAdminScreenState
extends
State<ContactAdminScreen> {
 final TextEditingController
nameController =
TextEditingController();
 final TextEditingController
messageController =
TextEditingController();

 void sendEmail() async {
   final Uri emailUri = Uri(
     scheme: 'mailto',
     path:
'admin@college.com',
     queryParameters: {
       'subject': 'Student
Query from
${nameController.text}',
       'body':
messageController.text,
     },
   );
   if (await canLaunchUrl(emailUri)) {
     await launchUrl(emailUri);
   }
 }
```



```
 @override
 Widget build(BuildContext context) {
   return Scaffold(
     appBar: AppBar(title: Text('Contact Admin')),
     body: Padding(
       padding: const EdgeInsets.all(16.0),
       child: Column(
         children: [
           TextField(
             controller: nameController,
             decoration: InputDecoration(labelText: 'Your Name'),
           ),
           TextField(
             controller: messageController,
             decoration: InputDecoration(labelText: 'Message'),
             maxLines: 4,
           ),
           SizedBox(height: 20),
           ElevatedButton(onPressed: sendEmail, child: Text('Send
Email')),
         ],
       ),
     ),
   );
 }
}
```

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

class AboutScreen extends StatelessWidget {
 @override
 Widget build(BuildContext context) {
   final features = [
     "Check live weather updates for
Bengaluru using Open-Meteo API.",
     "Add, edit, and delete your
personal tasks with local storage.",
     "Contact the admin directly
through an email form.",
     "Easy navigation between pages
with a modern Drawer.",
     "Clean and mobile-friendly design
with Material 3 and Indigo theme.",
   ];

   return Scaffold(
     appBar: AppBar(title:
Text('About')),
     body: SingleChildScrollView(
       child: Column(
         children: [
           // Header Section
           Container(
             width: double.infinity,
             padding:
EdgeInsets.symmetric(vertical: 30,
horizontal: 16),
             decoration:
BoxDecoration(
               gradient:
LinearGradient(
                 colors:
[Colors.indigo, Colors.blueAccent],
                 begin: Alignment.topLeft,
                 end: Alignment.bottomRight,
               ),
             ),
```



About

Student Connect

Your all-in-one student helper app

Features:

- ✓ Check live weather updates for Bengaluru using Open-Meteo API.
- ✓ Add, edit, and delete your personal tasks with local storage.
- ✓ Contact the admin directly through an email form.
- ✓ Easy navigation between pages with a modern Drawer.
- ✓ Clean and mobile-friendly design with Material 3 and Indigo theme.

```dart
            child: Column(
              children: [
                Icon(Icons.school, size: 60, color: Colors.white),
                SizedBox(height: 10),
                Text(
                  "Student Connect",
                  style: TextStyle(
                    fontSize: 26,
                    fontWeight: FontWeight.bold,
                    color: Colors.white,
                  ),
                ),
                SizedBox(height: 5),
                Text(
                  "Your all-in-one student helper app",
                  style: TextStyle(color: Colors.white70, fontSize: 16),
                ),
              ],
            ),
          ),

          // Features Section
          Padding(
            padding: const EdgeInsets.all(16.0),
            child: Column(
              crossAxisAlignment: CrossAxisAlignment.start,
              children: [
                Text(
                  "Features:",
                  style: TextStyle(
                    fontSize: 20,
                    fontWeight: FontWeight.bold,
                    color: Colors.indigo,
                  ),
                ),
                SizedBox(height: 10),
                ...features.map(
                  (feature) => Padding(
                    padding: const EdgeInsets.symmetric(vertical: 6),
                    child: Row(
                       crossAxisAlignment: CrossAxisAlignment.start,
                       children: [
                         Icon(
                           Icons.check_circle,
                           color: Colors.green,
                           size: 20,
                         ),
                         SizedBox(width: 8),
                         Expanded(
                           child: Text(
                             feature,
                             style: TextStyle(fontSize: 16),
                           ),
                         ),
                       ],
                     ),
                   ),
                 ),
               ],
             ),
           ),
         ],
       ),
     ),
   );
 }
}
```

=++===-