

```
1 import 'package:flutter/material.dart';
2 class Schedule {
3   String name;
4   List<Class> classes;
5
6   Schedule({required this.name, required this.classes
7   });
8
9   // Define a class to represent a class.
10  class Class {
11    String name;
12    String teacher;
13    String time;
14
15    Class({required this.name, required this.teacher,
16    required this.time});
17  }
18  class SchoolManagementSystems extends StatelessWidget
19  {
20    final List<Schedule> schedules = [
21      Schedule(
22        name: 'Monday Schedule',
23        classes: [
24          Class(name: 'Technical and Business Writing'
25          , teacher: 'Ms. Qasira', time: '8:00 AM - 9:20 AM'),
26          Class(name: 'Computer networks', teacher: 'Mr
27          . Ahsan', time: '10:45 AM - 1:25 PM'),
28        ],
29      ),
30      Schedule(
31        name: 'Tuesday Schedule',
32        classes: [
33          Class(name: 'Web Application Development',
34          teacher: 'Ms. Maria', time: '8:00 AM - 10:40 AM'),
35          Class(name: 'Computer Networks', teacher: 'Mr
36          . Hamayun Khan', time: '10:45 AM - 12:05 PM'),
37          Class(name: 'Mobile Application Development'
38          , teacher: 'Mr. Rizwan', time: '1:30 PM - 3:30 PM'),
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34     ],
35   ),
36   Schedule(
37     name: 'Wednesday Schedule',
38     classes: [
39       Class(name: 'Computer Networks', teacher: 'Mr
40       . Hamayun Khan', time: '9:20 AM - 10:40 AM'),
41       Class(name: 'Software Engineering', teacher:
42       'Mr. Jalees', time: '12:05 AM - 1:25 PM'),
43       Class(name: 'Web Application Development',
44       teacher: 'Mr. Jameel', time: '1:30 PM - 3:30 PM'),
45     ],
46   ),
47   Schedule(
48     name: 'Thursday Schedule',
49     classes: [
50       Class(name: 'Mobile Application Development'
51       , teacher: 'Ms. Maria', time: '10:45 AM - 12:05 PM'),
52       Class(name: 'Islamic Studies', teacher: 'Mr.
53       Rahil Ahsan', time: '1:30 PM - 3:30 PM'),
54     ],
55   ),
56   Schedule(
57     name: 'Friday Schedule',
58     classes: [
59       Class(name: 'Technical and Business Writing'
60       , teacher: 'Ms. Qasira', time: '8:00 AM - 9:15 AM'),
61       Class(name: 'Software Engineering', teacher:
62       'Mr. Jalees', time: '9:15 AM - 10:30 AM'),
63     ],
64   ),
65 ];
66 @override
67 Widget build(BuildContext context) {
68   return
69     Scaffold(
70       body: Container(
71         decoration: BoxDecoration(
72           gradient: LinearGradient(

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68         begin: Alignment.topCenter,
69         end: Alignment.bottomCenter,
70         colors: [
71             Colors.purple.shade800,
72             Colors.pink.shade400,
73         ],
74     ),
75 ),
76 child: Column(
77     crossAxisAlignment: CrossAxisAlignment.start,
78     children: [
79         SizedBox(height: 80),
80         Padding(
81             padding: EdgeInsets.symmetric(
horizontal: 20),
82             child: Column(
83                 crossAxisAlignment:
CrossAxisAlignment.start,
84                 children: [
85                     Text(
86                         'Welcome to',
87                         style: TextStyle(
88                             color: Colors.white,
89                             fontSize: 24,
90                             fontWeight: FontWeight.w500,
91                             fontFamily: 'ita',
92                         ),
93                     ),
94                 ],
95                 SizedBox(height: 10),
96                 Text(
97                     'School ',
98                     style: TextStyle(
99                         color: Colors.white,
100                        fontSize: 40,
101                        fontWeight: FontWeight.w600,
102                        fontFamily: 'ita',
103                    ),
104                ),
105                SizedBox(height: 10),

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106         Text(  
107             'Management',  
108             style: TextStyle(  
109                 color: Colors.white,  
110                 fontSize: 40,  
111                 fontWeight: FontWeight.w600,  
112                 fontFamily: 'ita',  
113             ),  
114         ),  
115         SizedBox(height: 10),  
116         Text(  
117             'System',  
118             style: TextStyle(  
119                 color: Colors.white,  
120                 fontSize: 40,  
121                 fontWeight: FontWeight.w600,  
122                 fontFamily: 'ita',  
123             ),  
124         ),  
125     ],  
126 ),  
127 ),  
128 ),  
129     SizedBox(height: 80),  
130     Expanded(  
131         child: Container(  
132             decoration: BoxDecoration(  
133                 gradient: LinearGradient(  
134                     begin: Alignment.topCenter,  
135                     end: Alignment.bottomCenter,  
136                     colors: [  
137                         Colors.purple.shade300,  
138                         Colors.pink.shade500,  
139                     ],  
140                 ),  
141             borderRadius: BorderRadius.only(  
142                 topLeft: Radius.circular(50),  
143                 topRight: Radius.circular(50),  
144             ),  
145         ),  
146     ),
```

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147
148
149         child: ListView.builder(
150             itemCount: schedules.length,
151             itemBuilder: (BuildContext
context, int scheduleIndex) {
152                 Schedule schedule = schedules[
scheduleIndex];
153                 return ExpansionTile(
154                     title: Text(
155                         schedule.name,
156                         style: TextStyle(
157                             fontFamily: 'ita',
158                             fontWeight: FontWeight.
bold,
159                             fontSize: 18,
160                         ),
161                     ),
162                     children: <Widget>[
163                         ListView.builder(
164                             shrinkWrap: true,
165                             itemCount: schedule.
classes.length,
166                             itemBuilder: (
BuildContext context, int classIndex) {
167                                 Class classItem =
schedule.classes[classIndex];
168                                 return Card(
169
170
171                                     elevation: 5,
172                                     margin: EdgeInsets.
symmetric(horizontal: 20, vertical: 10),
173                                     child: Container(
174                                         decoration:
BoxDecoration(
175                                             gradient:
LinearGradient(
176                                                 begin: Alignment.
topLeft,
177                                                 end: Alignment.

```

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177 bottomRight,
178         colors: [
179         Colors.greenAccent,
180         Colors.green,
181         ],
182         ),
183         ),
184         child:
185
186
187         ListTile(
188             title: Text(
189                 classItem.name,
190                 style: TextStyle
191             (
192                 fontFamily: '
193                 ita',
194                 fontWeight:
195                 FontWeight.bold,
196             ),
197             ),
198             subtitle: Column(
199                 crossAxisAlignment: CrossAxisAlignment.start,
200                 children: [
201                     SizedBox(
202                         height: 5),
203                     Row(
204                         children: [
205                             Icon(
206                                 Icons.
207                                 person,
208                                 color:
209                                 Colors.deepPurple,
210                                 size: 20
211                             ,
212                             ),
213                     ),
214                     SizedBox(
215                         width: 5),
216                     Text(

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208 classItem.teacher,
209                                     style:
      TextStyle(
210   fontFamily: 'ita',
211                                     color
      : Colors.black,
212                                     ),
213                                     ),
214   ],
215 ),
216   SizedBox(
      height: 5),
217   Row(
218     children: [
219       Icon(
220         Icons.
      schedule,
221                                     color:
      Colors.deepPurple,
222                                     size: 20
      ,
223                                     ),
224     SizedBox(
      width: 5),
225     Text(
226       classItem.time,
227                                     style:
      TextStyle(
228   fontFamily: 'ita',
229                                     color
      : Colors.black,
230                                     ),
231                                     ),
232   ],
233 ),
234   SizedBox(
      height: 5),
235 ],

```

```
236                                     ),
237                                     ),
238                                     )
239                                     );
240                                     },
241                                     ),
242                                     ],
243                                     );
244                                     },
245                                     ),
246
247                                     ),
248                                     ),
249                                     ],
250                                     ),
251                                     ),
252                                     );
253   }
254 }
255
```



```
1 import 'package:flutter/material.dart';
2 import 'home.dart';
3
4 void main() {
5   runApp(const MyApp());
6 }
7
8 class MyApp extends StatelessWidget {
9   const MyApp({super.key});
10
11   // This widget is the root of your application.
12   @override
13   Widget build(BuildContext context) {
14     return MaterialApp(
15       home: SchoolManagementSystems()
16     );
17   }
18 }
19
```