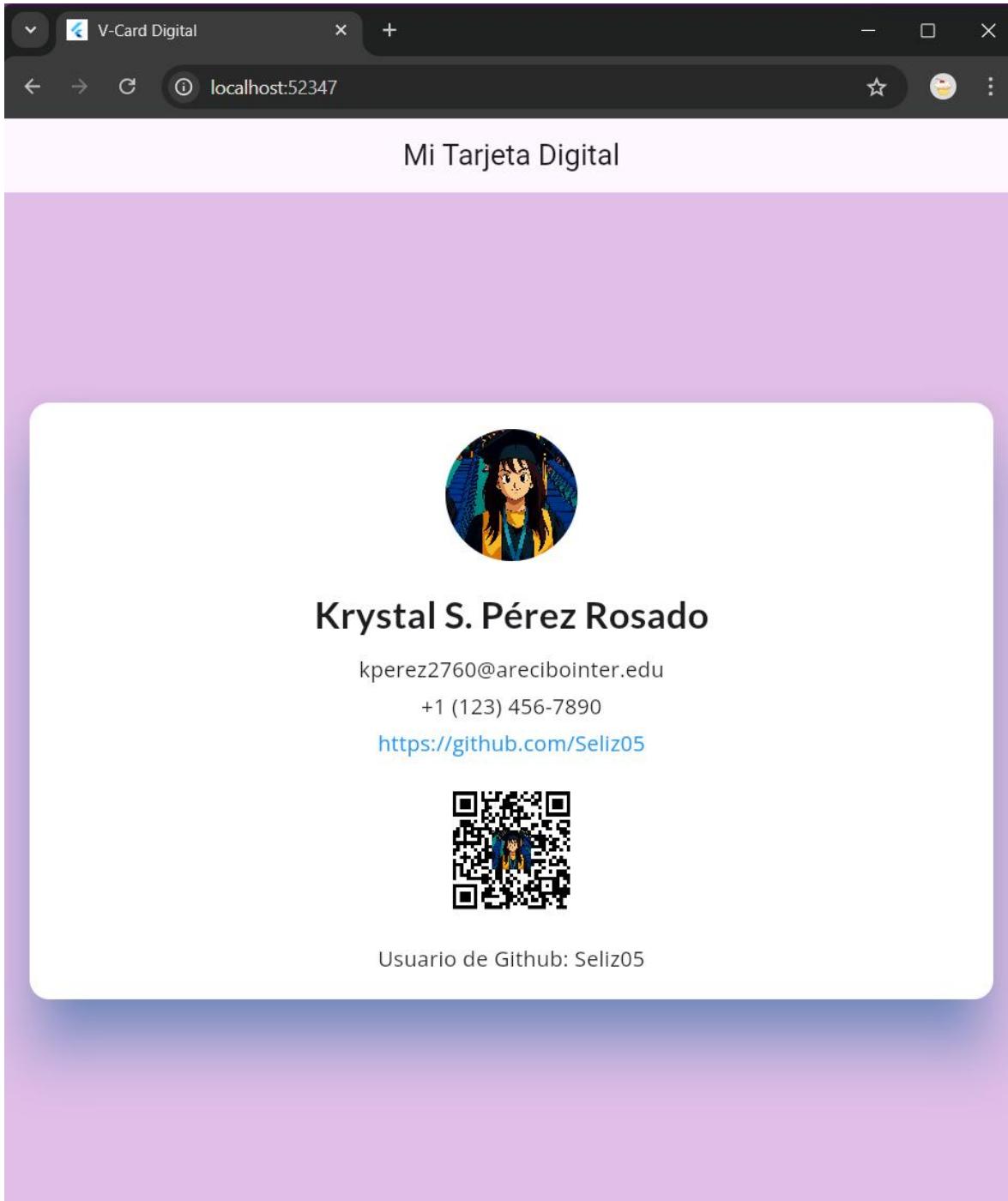


Módulo 2: Fundamentos en el Diseño de Aplicaciones Móviles

Actividad Especial: Creación de una V-Card con Flutter



The screenshot shows a code editor interface with several tabs at the top: README.md, main.dart, widget_test.dart, vcardscreen.dart, and pubspec.yaml. The pubspec.yaml tab is currently active, indicated by a blue underline. The code in the editor is the configuration file for the Flutter application.

```
1 name: vcards_app
2 description: "Una aplicación de V-Card digital en Flutter"
3
4 publish_to: 'none'
5
6 version: 1.0.0+1
7
8 environment:
9   sdk: '>=3.0.0 <4.0.0'
10
11 dependencies:
12   flutter:
13     sdk: flutter
14   google_fonts: ^6.2.1
15
16 dev_dependencies:
17   flutter_test:
18     sdk: flutter
19   flutter_lints: ^6.0.0
20
21 flutter:
22   uses-material-design: true
23
24 assets:
25   - assets/profile.png
26   - assets/qrcode.png
```

README.md main.dart widget_test.dart **vcard_screen.dart** pubspec.yaml

```
1 import 'package:flutter/material.dart';
2 import 'package:google_fonts/google_fonts.dart';
3
4 class VCardScreen extends StatelessWidget {
5     const VCardScreen({super.key});
6
7     @override
8     Widget build(BuildContext context) {
9         return Scaffold(
10             appBar: AppBar(
11                 title: const Text('Mi Tarjeta Digital'),
12                 centerTitle: true,
13             ),
14             backgroundColor: Color(0xFFE1BEE7),
15             body: Center(
16                 child: Padding(
17                     padding: const EdgeInsets.all(16.0),
18                     child: Card(
19                         color: Colors.white,
20                         elevation: 40,
21                         shadowColor: Colors.blue,
22                         shape: RoundedRectangleBorder(
23                             borderRadius: BorderRadius.circular(15),
24                         ),
25                         child: Padding(
26                             padding: const EdgeInsets.all(20.0),
27                             child: Column(
28                                 mainAxisAlignment: MainAxisAlignment.min,
29                                 mainAxisAlignment: MainAxisAlignment.center,
30                                 children: [
31                                     CircleAvatar(
32                                         radius: 50,
33                                         backgroundImage: AssetImage('assets/profile.png'),
34                                     ),
35                                     const SizedBox(height: 20),
36                                     Text(

```

A screenshot of a code editor showing a Dart file named `vcard_screen.dart`. The file contains code for displaying contact information in a card format. The code includes text for name, email, phone number, GitHub URL, and a QR code asset. It uses Google Fonts and various UI components like Text, SizedBox, and Row.

```
37         'Krystal S. Pérez Rosado',
38         style: GoogleFonts.lato(
39             fontSize: 28,
40             fontWeight: FontWeight.bold,
41         ),
42     ), Text
43     const SizedBox(height: 10),
44     Text(
45         'kperez2760@arecibointer.edu',
46         style: GoogleFonts.openSans(fontSize: 16),
47     ), Text
48     const SizedBox(height: 5),
49     Text(
50         '+1 (123) 456-7890',
51         style: GoogleFonts.openSans(fontSize: 16),
52     ), Text
53     const SizedBox(height: 5),
54     Text(
55         'https://github.com/Seliz05',
56         style: GoogleFonts.openSans(
57             fontSize: 16,
58             color: Colors.blue,
59         ),
60     ), Text
61     const SizedBox(height: 20),
62     // Código QR
63     Image.asset(
64         'assets/qrcode.png',
65         width: 100,
66         height: 100,
67     ), Image.asset
68     const SizedBox(height: 20),
69     // Usuario de GitHub
70     Row(
71         mainAxisAlignment: MainAxisAlignment.center,
72         children: [
73             ...
74         ],
75     ),
76     const SizedBox(height: 20),
77     Text(
78         'LinkedIn',
79         style: GoogleFonts.openSans(
80             fontSize: 16,
81             color: Colors.blue,
82         ),
83     ), Text
84     const SizedBox(height: 20),
85     Text(
86         'Instagram',
87         style: GoogleFonts.openSans(
88             fontSize: 16,
89             color: Colors.blue,
90         ),
91     ), Text
92     const SizedBox(height: 20),
93     Text(
94         'Facebook',
95         style: GoogleFonts.openSans(
96             fontSize: 16,
97             color: Colors.blue,
98         ),
99     ), Text
100    const SizedBox(height: 20),
101    Text(
102        'Twitter',
103        style: GoogleFonts.openSans(
104            fontSize: 16,
105            color: Colors.blue,
106        ),
107    ), Text
108    const SizedBox(height: 20),
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111        style: GoogleFonts.openSans(
112            fontSize: 16,
113            color: Colors.blue,
114        ),
115    ), Text
116    const SizedBox(height: 20),
117    Text(
118        'Email',
119        style: GoogleFonts.openSans(
120            fontSize: 16,
121            color: Colors.blue,
122        ),
123    ), Text
124    const SizedBox(height: 20),
125    Text(
126        'Phone',
127        style: GoogleFonts.openSans(
128            fontSize: 16,
129            color: Colors.blue,
130        ),
131    ), Text
132    const SizedBox(height: 20),
133    Text(
134        'QR',
135        style: GoogleFonts.openSans(
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137            color: Colors.blue,
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837    Text(
838        'QR',
839        style: GoogleFonts.openSans(
840            fontSize: 16,
841            color: Colors.blue,
842        ),
843    ), Text
844    const SizedBox(height: 20),
845    Text(
846        'LinkedIn',
847        style: GoogleFonts.openSans(
848            fontSize: 16,
849            color: Colors.blue,
850        ),
851    ), Text
852    const SizedBox(height: 20),
853    Text(
854        'Instagram',
855        style: GoogleFonts.openSans(
856            fontSize: 16,
857            color: Colors.blue,
858        ),
859    ), Text
860    const SizedBox(height: 20),
861    Text(
862        'Facebook',
863        style: GoogleFonts.openSans(
864            fontSize: 16,
865            color: Colors.blue,
866        ),
867    ), Text
868    const SizedBox(height: 20),
869    Text(
870        'Twitter',
871        style: GoogleFonts.openSans(
872            fontSize: 16,
873            color: Colors.blue,
874        ),
875    ), Text
876    const SizedBox(height: 20),
877    Text(
878        'GitHub',
879        style: GoogleFonts.openSans(
880            fontSize: 16,
881            color: Colors.blue,
882        ),
883    ), Text
884    const SizedBox(height: 20),
885    Text(
886        'Email',
887        style: GoogleFonts.openSans(
888            fontSize: 16,
889            color: Colors.blue,
890        ),
891    ), Text
892    const SizedBox(height: 20),
893    Text(
894        'Phone',
895        style: GoogleFonts.openSans(
896            fontSize: 16,
897            color: Colors.blue,
898        ),
899    ), Text
900    const SizedBox(height: 20),
901    Text(
902        'QR',
903        style: GoogleFonts.openSans(
904            fontSize: 16,
905            color: Colors.blue,
906        ),
907    ), Text
908    const SizedBox(height: 20),
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910        'LinkedIn',
911        style: GoogleFonts.openSans(
912            fontSize: 16,
913            color: Colors.blue,
914        ),
915    ), Text
916    const SizedBox(height: 20),
917    Text(
918        'Instagram',
919        style: GoogleFonts.openSans(
920            fontSize: 16,
921            color: Colors.blue,
922        ),
923    ), Text
924    const SizedBox(height: 20),
925    Text(
926        'Facebook',
927        style: GoogleFonts.openSans(
928            fontSize: 16,
929            color: Colors.blue,
930        ),
931    ), Text
932    const SizedBox(height: 20),
933    Text(
934        'Twitter',
935        style: GoogleFonts.openSans(
936            fontSize: 16,
937            color: Colors.blue,
938        ),
939    ), Text
940    const SizedBox(height: 20),
941    Text(
942        'GitHub',
943        style: GoogleFonts.openSans(
944            fontSize: 16,
945            color: Colors.blue,
946        ),
947    ), Text
948    const SizedBox(height: 20),
949    Text(
950        'Email',
951        style: GoogleFonts.openSans(
952            fontSize: 16,
953            color: Colors.blue,
954        ),
955    ), Text
956    const SizedBox(height: 20),
957    Text(
958        'Phone',
959        style: GoogleFonts.openSans(
960            fontSize: 16,
961            color: Colors.blue,
962        ),
963    ), Text
964    const SizedBox(height: 20),
965    Text(
966        'QR',
967        style: GoogleFonts.openSans(
968            fontSize: 16,
969            color: Colors.blue,
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971    ), Text
972    const SizedBox(height: 20),
973    Text(
974        'LinkedIn',
975        style: GoogleFonts.openSans(
976            fontSize: 16,
977            color: Colors.blue,
978        ),
979    ), Text
980    const SizedBox(height: 20),
981    Text(
982        'Instagram',
983        style: GoogleFonts.openSans(
984            fontSize: 16,
985            color: Colors.blue,
986        ),
987    ), Text
988    const SizedBox(height: 20),
989    Text(
990        'Facebook',
991        style: GoogleFonts.openSans(
992            fontSize: 16,
993            color: Colors.blue,
994        ),
995    ), Text
996    const SizedBox(height: 20),
997    Text(
998        'Twitter',
999        style: GoogleFonts.openSans(
1000            fontSize: 16,
1001            color: Colors.blue,
1002        ),
1003    ), Text
1004    const SizedBox(height: 20),
1005    Text(
1006        'GitHub',
1007        style: GoogleFonts.openSans(
1008            fontSize: 16,
1009            color: Colors.blue,
1010        ),
1011    ), Text
1012    const SizedBox(height: 20),
1013    Text(
1014        'Email',
1015        style: GoogleFonts.openSans(
1016            fontSize: 16,
1017            color: Colors.blue,
1018        ),
1019    ), Text
1020    const SizedBox(height: 20),
1021    Text(
1022        'Phone',
1023        style: GoogleFonts.openSans(
1024            fontSize: 16,
1025            color: Colors.blue,
1026        ),
1027    ), Text
1028    const SizedBox(height: 20),
1029    Text(
1030        'QR',
1031        style: GoogleFonts.openSans(
1032            fontSize: 16,
1033            color: Colors.blue,
1034        ),
1035    ), Text
1036    const SizedBox(height: 20),
1037    Text(
1038        'LinkedIn',
1039        style: GoogleFonts.openSans(
1040            fontSize: 16,
1041            color: Colors.blue,
1042        ),
1043    ), Text
1044    const SizedBox(height: 20),
1045    Text(
1046        'Instagram',
1047        style: GoogleFonts.openSans(
1048            fontSize: 16,
1049            color: Colors.blue,
1050        ),
1051    ), Text
1052    const SizedBox(height: 20),
1053    Text(
1054        'Facebook',
1055        style: GoogleFonts.openSans(
1056            fontSize: 16,
1057            color: Colors.blue,
1058        ),
1059    ), Text
1060    const SizedBox(height: 20),
1061    Text(
1062        'Twitter',
1063        style: GoogleFonts.openSans(
1064            fontSize: 16,
1065            color: Colors.blue,
1066        ),
1067    ), Text
1068    const SizedBox(height: 20),
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1070        'GitHub',
1071        style: GoogleFonts.openSans(
1072            fontSize: 16,
1073            color: Colors.blue,
1074        ),
1075    ), Text
1076    const SizedBox(height: 20),
1077    Text(
1078        'Email',
1079        style: GoogleFonts.openSans(
1080            fontSize: 16,
1081            color: Colors.blue,
1082        ),
1083    ), Text
1084    const SizedBox(height: 20),
1085    Text(
1086        'Phone',
1087        style: GoogleFonts.openSans(
1088            fontSize: 16,
1089            color: Colors.blue,
1090        ),
1091    ), Text
1092    const SizedBox(height: 20),
1093    Text(
1094        'QR',
1095        style: GoogleFonts.openSans(
1096            fontSize: 16,
1097            color: Colors.blue,
1098        ),
1099    ), Text
1100    const SizedBox(height: 20),
1101    Text(
1102        'LinkedIn',
1103        style: GoogleFonts.openSans(
1104            fontSize: 16,
1105            color: Colors.blue,
1106        ),
1107    ), Text
1108    const SizedBox(height: 20),
1109    Text(
1110        'Instagram',
1111        style: GoogleFonts.openSans(
1112            fontSize: 16,
1113            color: Colors.blue,
1114        ),
1115    ), Text
1116    const SizedBox(height: 20),
1117    Text(
1118        'Facebook',
1119        style: GoogleFonts.openSans(
1120            fontSize: 16,
1121            color: Colors.blue,
1122        ),
1123    ), Text
1124    const SizedBox(height: 20),
1125    Text(
1126        'Twitter',
1127        style: GoogleFonts.openSans(
1128            fontSize: 16,
1129            color: Colors.blue,
1130        ),
1131    ), Text
1132    const SizedBox(height: 20),
1133    Text(
1134        'GitHub',
1135        style: GoogleFonts.openSans(
1136            fontSize: 16,
1137            color: Colors.blue,
1138        ),
1139    ), Text
1140    const SizedBox(height: 20),
1141    Text(
1142        'Email',
1143        style: GoogleFonts.openSans(
1144            fontSize: 16,
1145            color: Colors.blue,
1146        ),
1147    ), Text
1148    const SizedBox(height: 20),
1149    Text(
1150        'Phone',
1151        style: GoogleFonts.openSans(
1152            fontSize: 16,
1153            color: Colors.blue,
1154        ),
1155    ), Text
1156    const SizedBox(height: 20),
1157    Text(
1158        'QR',
1159        style: GoogleFonts.openSans(
1160            fontSize: 16,
1161            color: Colors.blue,
1162        ),
1163    ), Text
1164    const SizedBox(height: 20),
1165    Text(
1166        'LinkedIn',
1167        style: GoogleFonts.openSans(
1168            fontSize: 16,
1169            color: Colors.blue,
1170        ),
1171    ), Text
1172    const SizedBox(height: 20),
1173    Text(
1174        'Instagram',
1175        style: GoogleFonts.openSans(
1176            fontSize: 16,
1177            color: Colors.blue,
1178        ),
1179    ), Text
1180    const SizedBox(height: 20),
1181    Text(
1182        'Facebook',
1183        style: GoogleFonts.openSans(
1184            fontSize: 16,
1185            color: Colors.blue,
1186        ),
1187    ), Text
1188    const SizedBox(height: 20),
1189    Text(
1190        'Twitter',
1191        style: GoogleFonts.openSans(
1192            fontSize: 16,
1193            color: Colors.blue,
1194        ),
1195    ), Text
1196    const SizedBox(height: 20),
1197    Text(
1198        'GitHub',
1199        style: GoogleFonts.openSans(
1200            fontSize: 16,
1201            color: Colors.blue,
1202        ),
1203    ), Text
1204    const SizedBox(height: 20),
1205    Text(
1206        'Email',
1207        style: GoogleFonts.openSans(
1208            fontSize: 16,
1209            color: Colors.blue,
1210        ),
1211    ), Text
1212    const SizedBox(height: 20),
1213    Text(
1214        'Phone',
1215        style: GoogleFonts.openSans(
1216            fontSize: 16,
1217            color: Colors.blue,
1218        ),
1219    ), Text
1220    const SizedBox(height: 20),
1221    Text(
1222        'QR',
1223        style: GoogleFonts.openSans(
1224            fontSize: 16,
1225            color: Colors.blue,
1226        ),
1227    ), Text
1228    const SizedBox(height: 20),
1229    Text(
1230        'LinkedIn',
1231        style: GoogleFonts.openSans(
1232            fontSize: 16,
1233            color: Colors.blue,
1234        ),
1235    ), Text
1236    const SizedBox(height: 20),
1237    Text(
1238        'Instagram',
1239        style: GoogleFonts.openSans(
1240            fontSize: 16,
1241            color: Colors.blue,
1242        ),
1243    ), Text
1244    const SizedBox(height: 20),
1245    Text(
1246        'Facebook',
1247        style: GoogleFonts.openSans(
1248            fontSize: 16,
1249            color: Colors.blue,
1250        ),
1251    ), Text
1252    const SizedBox(height: 20),
1253    Text(
1254        'Twitter',
1255        style: GoogleFonts.openSans(
1256            fontSize: 16,
1257            color: Colors.blue,
1258        ),
1259    ), Text
1260    const SizedBox(height: 20),
1261    Text(
1262        'GitHub',
1263        style: GoogleFonts.openSans(
1264            fontSize: 16,
1265            color: Colors.blue,
1266        ),
1267    ), Text
1268    const SizedBox(height: 20),
1269    Text(
1270        'Email',
1271        style: GoogleFonts.openSans(
1272            fontSize: 16,
1273            color: Colors.blue,
1274        ),
1275    ), Text
1276    const SizedBox(height: 20),
1277    Text(
1278        'Phone',
1279        style: GoogleFonts.openSans(
1280            fontSize: 16,
1281            color: Colors.blue,
1282        ),
1283    ), Text
1284    const SizedBox(height: 20),
1285    Text(
1286        'QR',
1287        style: GoogleFonts.openSans(
1288            fontSize: 16,
1289            color: Colors.blue,
1290        ),
1291    ), Text
1292    const SizedBox(height: 20),
1293    Text(
1294        'LinkedIn',
1295        style: GoogleFonts.openSans(
1296            fontSize: 16,
1297            color: Colors.blue,
1298        ),
1299    ), Text
1300    const SizedBox(height: 20),
1301    Text(
1302        'Instagram',
1303        style: GoogleFonts.openSans(
1304            fontSize: 16,
1305            color: Colors.blue,
1306        ),
1307    ), Text
1308    const SizedBox(height: 20),
1309    Text(
1310        'Facebook',
1311        style: GoogleFonts.openSans(
1312            fontSize: 16,
1313            color: Colors.blue,
1314        ),
1315    ), Text
1316    const SizedBox(height: 20),
1317    Text(
1318        'Twitter',
1319        style: GoogleFonts.openSans(
1320            fontSize: 16,
1321            color: Colors.blue,
1322        ),
1323    ), Text
1324    const SizedBox(height: 20),
1325    Text(
1326        'GitHub',
1327        style: GoogleFonts.openSans(
1328            fontSize: 16,
1329            color: Colors.blue,
1330        ),
1331    ), Text
1332    const SizedBox(height: 20),
1333    Text(
1334        'Email',
1335        style: GoogleFonts.openSans(
1336            fontSize: 16,
1337            color: Colors.blue,
1338        ),
1339    ), Text
1340    const SizedBox(height: 20),
1341    Text(
1342        'Phone',
1343
```

A screenshot of a code editor showing a Dart file named `vcard_screen.dart`. The file contains the following code:

```
60     ),
61     const SizedBox(height: 20),
62     // Código QR
63     Image.asset(
64       'assets/qrcode.png',
65       width: 100,
66       height: 100,
67     ), // Image.asset
68     const SizedBox(height: 20),
69     // Usuario de GitHub
70   Row(
71     mainAxisAlignment: MainAxisAlignment.center,
72     children: [
73       Expanded(
74         child: Text(
75           'Usuario de Github: Seliz05',
76           style: GoogleFonts.openSans(fontSize: 16),
77           textAlign: TextAlign.center,
78         ), // Text
79       ), // Expanded
80     ],
81   ), // Row
82   ],
83   ), // Column
84   ), // Padding
85   ), // Card
86   ), // Padding
87   ), // Center
88   ); // Scaffold
89 }
90 }
```

```
1 import 'package:flutter/material.dart';
2 import 'package:flutter_test/flutter_test.dart';
3 import 'package:vcard_app/main.dart';
4 import 'package:vcard_app/vcard_screen.dart';
5
6 void main() {
7   testWidgets('VCardApp renders correctly', (WidgetTester tester) async {
8     // Build our app and trigger a frame.
9     await tester.pumpWidget(const VCardApp());
10
11    // Verify that our app starts with VCardScreen
12    expect(find.byType(VCardApp), findsOneWidget);
13    expect(find.byType(MaterialApp), findsOneWidget);
14  });
15
16   testWidgets('VCardScreen displays user information', (WidgetTester tester) async {
17     await tester.pumpWidget(const MaterialApp(home: VCardScreen()));
18
19     // Verify that user information is displayed
20     expect(find.text('Nombre del Estudiante'), findsOneWidget);
21     expect(find.text('email@ejemplo.com'), findsOneWidget);
22     expect(find.text('github.com/username'), findsOneWidget);
23     expect(find.text('Usuario de Github: username'), findsOneWidget);
24   });
25 }
```

The screenshot shows a code editor interface with the following tabs at the top: README.md, main.dart (highlighted with a blue bar), widget_test.dart, vcardscreen.dart, and pubspec.yaml. The main.dart file contains the following Dart code:

```
1 import 'package:flutter/material.dart';
2 import 'vcardscreen.dart';
3
4 void main() => runApp(const VCardApp());
5
6 class VCardApp extends StatelessWidget {
7     const VCardApp({super.key});
8
9     @override
10    Widget build(BuildContext context) {
11        return MaterialApp(
12            title: 'V-Card Digital',
13            debugShowCheckedModeBanner: false,
14            theme: ThemeData(
15                primarySwatch: Colors.blue,
16                useMaterial3: true,
17            ),
18            home: const VCardScreen(),
19        );
20    }
21}
```