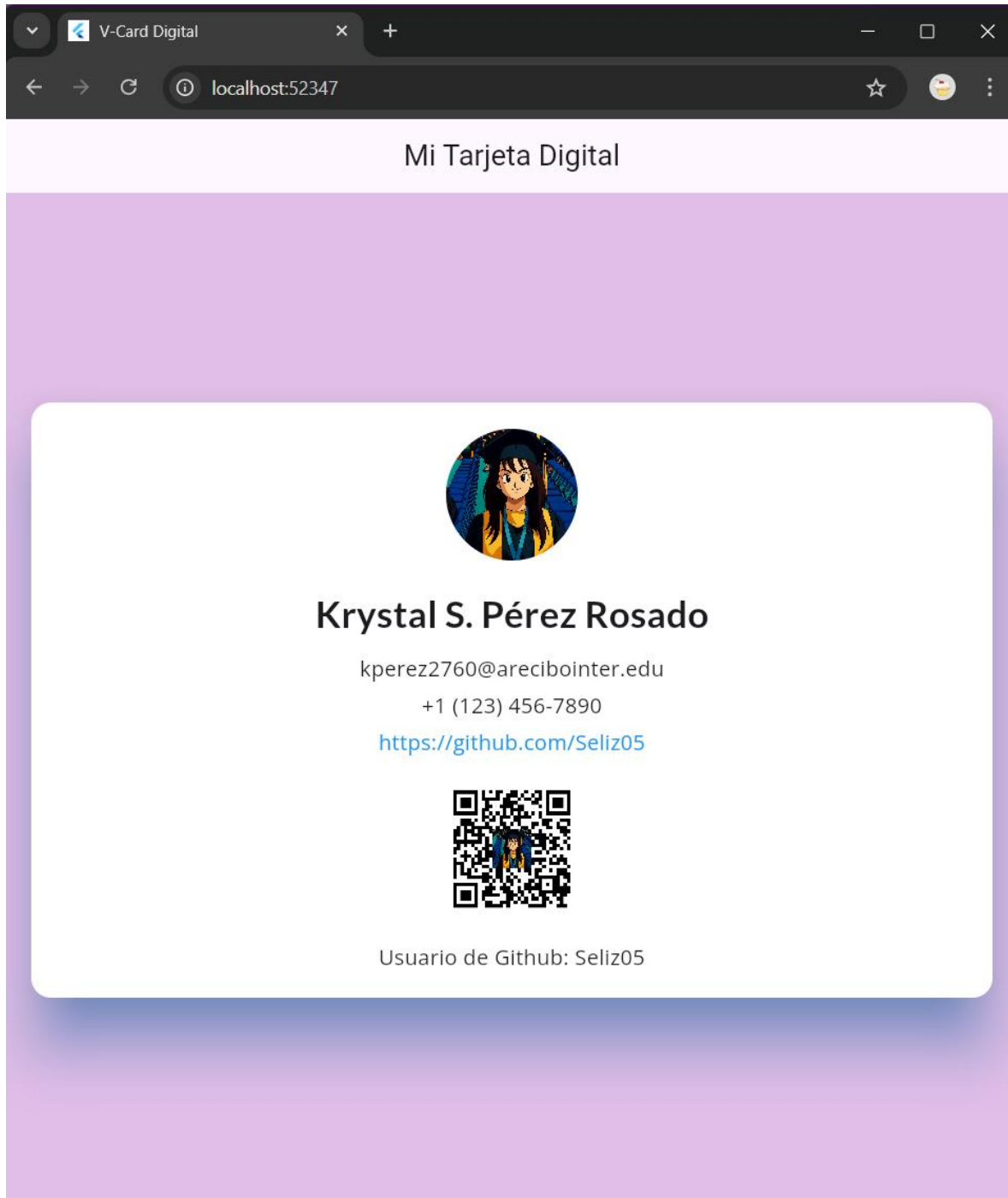


## Módulo 2: Fundamentos en el Diseño de Aplicaciones Móviles

### Actividad Especial: Creación de una V-Card con Flutter



README.md

main.dart

widget\_test.dart

vcard\_screen.dart

pubspec.yaml

## Flutter commands

```
1  name: vcard_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
```

```
M↓ 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(
```

M↓ README.md

main.dart

widget\_test.dart

vcard\_screen.dart ×

pubspec.yaml

```
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: [
```

```
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          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 }
```

README.md

main.dart

widget\_test.dart

vcard\_screen.dart

pubspec.yaml

```
1 import 'package:flutter/material.dart';
2 import 'vcard_screen.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 }
```