

## Lab session 2: UI Design and Creating Flutter Apps

### Introduction

In this second lab session, you will explore some more codelabs and Figma design to Flutter application. Moreover,  
Choose and create an authentication method with Flutter and Dart from the given list.

### Objectives

At the end of this session, students will explore more about integrating Flutter application with third party tools and the different authentication methods.

### Deliverables

- A full documentation with Screenshots and descriptions of the Labs



**Student Name**

### Tutorials

1. [How to do a Diff in VS Code \(Compare Files\)](#)

2. [Read about the different classes in Dart programming language to create different widgets](#)

3. [VSCode.one - The Ultimate VS Code Developer Resource](#)

4. [DefaultTextStyle class - widgets library - Dart API \(flutter.dev\)](#)

## Practical - Codelabs

### Task-1

<b>Figma2Flutter – Part 1 to 5</b>
------------------------------------

<a href="https://f2f.bostonux.com/video">https://f2f.bostonux.com/video</a>
---

### Task-2

<b>Take your Flutter app from boring to beautiful</b>
---

<a href="https://codelabs.developers.google.com/codelabs/flutter-boring-to-beautiful#0">https://codelabs.developers.google.com/codelabs/flutter-boring-to-beautiful#0</a>
---

<b>Provide a documentation with a short description and screenshots for all the steps of the lab.</b>
---

### Task-3

<b>Flutter Authentication</b>
-------------------------------

- |  |
|--|
| <ol style="list-style-type: none"><li>1. <a href="https://www.loginradius.com/blog/engineering/guest-post/authenticating-flutter-apps/">https://www.loginradius.com/blog/engineering/guest-post/authenticating-flutter-apps/</a></li><li>2. <a href="https://auth0.com/blog/get-started-with-flutter-authentication/">https://auth0.com/blog/get-started-with-flutter-authentication/</a></li><li>3. <a href="https://firebase.google.com/docs/auth/flutter/start">https://firebase.google.com/docs/auth/flutter/start</a></li><li>4. <a href="https://supabase.com/blog/flutter-authentication">https://supabase.com/blog/flutter-authentication</a></li><li>5. <a href="https://wso2.com/asgardeo/docs/tutorials/auth-users-into-flutter-apps/#step-2-register-your-application-in-asgardeo">https://wso2.com/asgardeo/docs/tutorials/auth-users-into-flutter-apps/#step-2-register-your-application-in-asgardeo</a></li><li>6. <a href="https://blog.openreplay.com/fingerprint-authentication-for-flutter-applications/">https://blog.openreplay.com/fingerprint-authentication-for-flutter-applications/</a></li><li>7. <a href="https://blog.codemagic.io/flutter-local-authentication-using-biometrics/">https://blog.codemagic.io/flutter-local-authentication-using-biometrics/</a></li><li>8. <a href="https://medium.flutterdevs.com/biometric-authentication-in-flutter-application-85a474507a46">https://medium.flutterdevs.com/biometric-authentication-in-flutter-application-85a474507a46</a></li><li>9. <b>Authentification using a basic login form.</b></li></ol> |
|--|

<b>Provide a documentation with a short description and screenshots for all the steps of the</b>
--

lab.

#### Task-4

##### Use ChatGPT to create a Flutter Mobile App

Provide a documentation with a short description and screenshots for all the steps of the lab.



##### Student Notes and feedback

##### Screenshots

#### References:

1. <https://flutterstudio.app/>
2. <https://www.figma.com/>

Good Luck!

