

# Mobile App Development using Flutter – Prep. by Faheem Abbas

## **Week 1- Introduction to Flutter and Dart, Setting up the environment for the flutter.**

1. What is Flutter?

[https://www.youtube.com/watch?v=l9ceqw5Ny-4&ab\\_channel=LondonAppBrewery](https://www.youtube.com/watch?v=l9ceqw5Ny-4&ab_channel=LondonAppBrewery)

Why choose Flutter?

[https://www.youtube.com/watch?v=L2OsgmirBwo&ab\\_channel=LondonAppBrewery](https://www.youtube.com/watch?v=L2OsgmirBwo&ab_channel=LondonAppBrewery)

Prerequisites for Flutter Development?

[https://www.youtube.com/watch?v=7gegvWBMOTg&ab\\_channel=LondonAppBrewery](https://www.youtube.com/watch?v=7gegvWBMOTg&ab_channel=LondonAppBrewery)

2. Learning dart programming (having experience with any PL before? Just need to understand the syntax of dart).

<https://www.youtube.com/playlist?list=PL3s-QXY9PwXJhxY-BeBn-067NCtVIWJ4> (watch at 1.5X speed).

Cheatsheet for dart.

<https://quickref.me/dart.html>

<https://simplecheatsheet.com/tag/dart-cheat-sheet/>

3. Setup flutter environment.

Setup on Android Studio.

[https://www.youtube.com/watch?v=6ev9cJiT8as&ab\\_channel=CSCORNERSunitaRai](https://www.youtube.com/watch?v=6ev9cJiT8as&ab_channel=CSCORNERSunitaRai)

Setup on VS Code.

[https://www.youtube.com/watch?v=qAeEdaiK7hM&ab\\_channel=CSCORNERSunitaRai](https://www.youtube.com/watch?v=qAeEdaiK7hM&ab_channel=CSCORNERSunitaRai)

## **Week 2 – Creating very first project and understanding basic widgets:**

1. First Flutter Project

Part 1: [https://www.youtube.com/watch?v=DIn-4nRfkUg&ab\\_channel=LondonAppBrewery](https://www.youtube.com/watch?v=DIn-4nRfkUg&ab_channel=LondonAppBrewery)

Part 2: [https://www.youtube.com/watch?v=l9nl-WkABlo&ab\\_channel=LondonAppBrewery](https://www.youtube.com/watch?v=l9nl-WkABlo&ab_channel=LondonAppBrewery)

Part 3: [https://www.youtube.com/watch?v=No2L-o0WeL8&ab\\_channel=LondonAppBrewery](https://www.youtube.com/watch?v=No2L-o0WeL8&ab_channel=LondonAppBrewery)

Part 4: [https://www.youtube.com/watch?v=hpQenyqxTmw&ab\\_channel=LondonAppBrewery](https://www.youtube.com/watch?v=hpQenyqxTmw&ab_channel=LondonAppBrewery)

2. Dive into some Basic stateless widgets

[https://www.youtube.com/watch?v=7SsvXElxqvM&list=PLFyjjoCMAPtxq8V9fuVmgsYKLNiKqSEV4&index=16&ab\\_channel=TheTechBrothers](https://www.youtube.com/watch?v=7SsvXElxqvM&list=PLFyjjoCMAPtxq8V9fuVmgsYKLNiKqSEV4&index=16&ab_channel=TheTechBrothers)

## **Week 3 – Understanding Stateful widgets and practicing use of basic widgets :**

1. Understanding the flutter project structure

[https://www.youtube.com/watch?v=SRatykfsn2k&list=PLFyjjoCMAPtxq8V9fuVmgsYKLNiKqSEV4&index=23&ab\\_channel=TheTechBrothers](https://www.youtube.com/watch?v=SRatykfsn2k&list=PLFyjjoCMAPtxq8V9fuVmgsYKLNiKqSEV4&index=23&ab_channel=TheTechBrothers)

2. Understanding the stateful widgets with Lottery App.

[https://www.youtube.com/watch?v=ULg\\_aBP9TBI&list=PLFyjjoCMAPtxq8V9fuVmgsYKLNiKqSEV4&index=16&ab\\_channel=TheTechBrothers](https://www.youtube.com/watch?v=ULg_aBP9TBI&list=PLFyjjoCMAPtxq8V9fuVmgsYKLNiKqSEV4&index=16&ab_channel=TheTechBrothers)

**Assessment:** Create an application using the concepts and the widgets learned so far.

Note: make use of Assets image, column, Row, container, text form field, Icon, buttons and also do change the app icon.

#### **Week 4 – Increasing the pool of widgets:**

1. [https://www.youtube.com/watch?v=3ezvoJg\\_s9s&list=PLFyjjoCMAptxq8V9fuVmgsYKLNiKqSEV4&index=16&ab\\_channel=TheTechBrothers](https://www.youtube.com/watch?v=3ezvoJg_s9s&list=PLFyjjoCMAptxq8V9fuVmgsYKLNiKqSEV4&index=16&ab_channel=TheTechBrothers)
2. [https://www.youtube.com/watch?v=cbAnN7ck8y8&list=PLFyjjoCMAptxq8V9fuVmgsYKLNiKqSEV4&index=17&ab\\_channel=TheTechBrothers](https://www.youtube.com/watch?v=cbAnN7ck8y8&list=PLFyjjoCMAptxq8V9fuVmgsYKLNiKqSEV4&index=17&ab_channel=TheTechBrothers)

#### **Week 5 –Understanding what is pub.dev and practicing some logic building:**

1. What is pub.dev?  
[https://www.youtube.com/watch?v=EmfbF56uHjo&list=PLFyjjoCMAptxq8V9fuVmgsYKLNiKqSEV4&index=19&ab\\_channel=TheTechBrothers](https://www.youtube.com/watch?v=EmfbF56uHjo&list=PLFyjjoCMAptxq8V9fuVmgsYKLNiKqSEV4&index=19&ab_channel=TheTechBrothers)
2. Creating calculator App.  
[https://www.youtube.com/watch?v=rY6vAI84Gck&list=PLFyjjoCMAptxq8V9fuVmgsYKLNiKqSEV4&index=20&ab\\_channel=TheTechBrothers](https://www.youtube.com/watch?v=rY6vAI84Gck&list=PLFyjjoCMAptxq8V9fuVmgsYKLNiKqSEV4&index=20&ab_channel=TheTechBrothers)

**Assessment:** Clone the UI of WhatsApp.

#### **Week 6 – Working with Rest API:**

1. All about the Rest API.  
<https://www.youtube.com/playlist?list=PLFyjjoCMAptzglTDreXNNkSWLKbd1wf51>

#### **Week 7 – Working with Local database (Hive) and the Firebase :**

1. Working with hive database  
[https://www.youtube.com/watch?v=mMgr47QBZWA&ab\\_channel=MitchKoko](https://www.youtube.com/watch?v=mMgr47QBZWA&ab_channel=MitchKoko)
2. Firebase  
[https://www.youtube.com/playlist?list=PLFyjjoCMAptxS6Cx1XSjCfxOxHQ4\\_e0sL](https://www.youtube.com/playlist?list=PLFyjjoCMAptxS6Cx1XSjCfxOxHQ4_e0sL)

To be continued....



