

```
1  
2 Dev Mobile 'Flutter' {  
3
```

```
4 [GDG Dev Bootcamp]  
5
```

```
6 <
```



```
7 I'm Aymene KRIOUDJ (krdj)
```

- ```
8
9 - 🧑💻 Computer Science Engineer
10 - 📱💻 Mobile Developer | Freelancer
11 - 🧑💼 Audit, Consulting, Project Management,
12 SI Engineering, Big Data, ML, BI ...
13
14
```

```
>
```

```
}
```



# Table Of 'Contents' {

Thursday,  
Feb 23th

## Session 1

< Introducing Mobile Dev by  
targeting Flutter ... >

Friday,  
Feb 25th

## Session 2

< Introduction to Dart ... >

Saturday,  
Feb 27th

## Session 3

< Flutter Layouts ... >



1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14

02 {

[Session 02]

< Introduction to Dart ... >

}



# Aymen's Flutter 'RoadMap' {

## Step 01 : Dart Language

The initial plan should be deeply focused over the language in which you will be building your app. So focus the mainly over **DART LANGUAGE**

## Step 02 : Flutter Ecosystem

Explore the **Flutter Ecosystem** : yaml file, main method, runApp method, MaterialApp, StatelessWidget vs StatefulWidget ...

## Step 03 : Flutter Widgets

You should be knowing the **mostly** used **widgets** in Flutter. Everything in Flutter is a **widget**.

## Step 04 : Build your own creativity

Build your own App by linking Flutter concepts: **screen navigation**, **code management**, **App design**.

}

# Aymen's Flutter 'RoadMap' {

## Step 01 : Dart Language

The initial plan should be deeply focused over the language in which you will be building your app. So focus the mainly over **DART LANGUAGE**

## Step 02 : Flutter Ecosystem

Explore the **Flutter Ecosystem** : yaml file, main method, runApp method, MaterialApp, StatelessWidget vs StatefulWidget ...

## Step 03 : Flutter Widgets

You should be knowing the **mostly** used **widgets** in Flutter. Everything in Flutter is a **widget**.

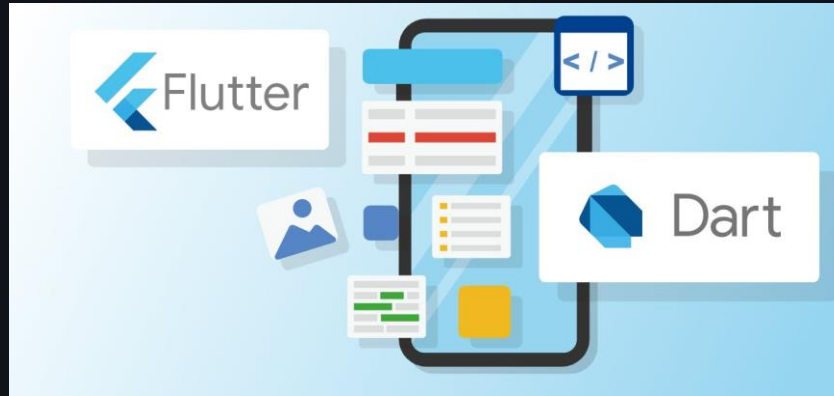
## Step 04 : Build your own creativity

Build your own App by linking Flutter concepts: **screen navigation**, **code management**, **App design**.

}

```
1 Language written for 'Flutter' {
```

```
2
3
4 [What language is flutter built with ?]
```



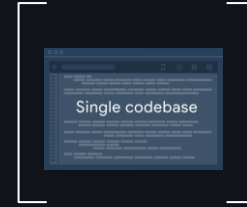
# Why 'Flutter' use 'Dart' {



< Fast development >



< Multi-plateform >



< Single codebase >

}

# Dart 'language' {

## [ Variables and Types ]

- `var bool` pressed = ``false``;
- `const double` pi = 3,141592653589793;
- `int` count = 34;
- `double` price = 21.75;
- `String` name = "Aymene";
- `List` numbers = [12, 16, 21, 39];
- `List<int>` numbers = [12, 16, 21, 39];
- `Map` sounds= {"cat": "Meow", "dog": "Woof"};
- `DateTime` date = `DateTime`,`now()`;

}



# Dart 'language' {

## [ Control flow statements ]

```
1
2
3
4
5 if (year >= 2001) {
6 print('21st century');
7 } else if (year >= 1901) {
8 print('20th century');
9 }
10
11 for (var object in flybyObjects) {
12 print(object);
13 }
14 }
```

```
for (int month = 1; month <= 12;
month++) {
 print(month);
}

while (year < 2016) {
 year += 1;
}
```

```
1 Dart 'language' {
2
3 [Functions]
4
5
6 int fibonacci(int n) {
7 if (n == 0 || n == 1) return n;
8 return fibonacci(n - 1) + fibonacci(n - 2);
9 }
10
11 var result = fibonacci(20);
12
13 }
14
```

# Dart 'language' {

## [ Classes ]

```
class User {
 User(this.name, this.username,
 __this.age);
 String name;
 String username;
 int age;
}
```

```
user1 = User("user", "user1", 32);
```

```
}
```

```
class User {
 User({ this.name, this.username,
 __this.age });
 String name;
 String username;
 int age;
}
```

```
user2 = User(name: "user",
 username: "user2");
```

# Dart 'language' {

[ Tyranny Operator and Arrow syntax ]

- Pressed ? **go** : **stop**

```
bool apple = true;
```

```
//apple red => true
```

```
//apple yellow => false
```

```
Container(
```

```
 color: apple ? Colors.red : Colors.yellow ;
```

```
);
```

```
}
```

# Dart 'language' {

## [ Tyranny Operator and Arrow syntax ]

- **Function => one instruction**

```
bool hasEmpty = aListOfStrings.any((s){
 return s.isEmpty;
});
```

Becomes:

```
bool hasEmpty = aListOfStrings.any((s) => s.isEmpty);
```

}

```
1 Dart 'language' {
2
3 [Practice]
4
5
6
7 <
8 ▪ Open DartPad in your browser.
9 ▪ Let's do some code.
10 >
11
12
13 }
14
```

```
1 Thanks; {
```

```
2
3 'Do you have any questions?'
```

```
4
5 ha_krioudj@esi.dz
6 +213 656 12 37 58
```



```
9 linkedin.com/in/aymene-krioudj-685883162/
10 instagram.com/aymen.krdj/
11 facebook.com/aymene19s/ (AymEn Krdj)
12 twitter.com/aymen_krdj/
13 github.com/aymenkrioudj/
14
```

