
Flutter Animations: Using Lottie for Rich Animations

Subtitle: Learn how to integrate Lottie animations in Flutter apps for professional and engaging UI.

Website Name: haas.dev

Website Link: <https://dev-roast-app.vercel.app>

Introduction

Animations make apps **visually appealing and interactive**. Lottie allows you to **play high-quality JSON-based animations** easily in Flutter.

Step 1: Add Lottie Dependency

```
dependencies:  
  lottie: ^2.3.0
```

Run:

```
flutter pub get
```

Import in Dart:

```
import 'package:lottie/lottie.dart';
```

Step 2: Add a Lottie Animation

```
Lottie.asset('assets/animation.json', width: 200, height: 200);
```

Exercise: Download a free Lottie animation and display it on the home screen.

Step 3: Lottie from Network

```
Lottie.network(  
  'https://assets9.lottiefiles.com/packages/lf20_jcikwtux.json',  
  width: 200,  
  height: 200
```

```
height: 200,  
fit: BoxFit.fill,  
);
```

Exercise: Display a network-based animation when fetching data from an API.

Step 4: Control Animation Playback

```
final controller = AnimationController(vsync: this);  
Lottie.asset(  
  'assets/animation.json',  
  controller: controller,  
  onLoaded: (composition) {  
    controller  
      ..duration = composition.duration  
      ..forward();  
  },  
);
```

Exercise: Play, pause, and loop animations using the controller.

Step 5: Mini Project

Build a **Flutter Splash & Loading App**:

- Use Lottie animation for app splash screen
 - Display a Lottie loader during API calls
 - Bonus: Add interactive animations on buttons or gestures
-

Key Takeaways

- Lottie provides **high-quality animations without heavy assets**
 - Animations improve **user engagement and app polish**
 - Controlling animations allows **dynamic, interactive experiences**
 - Mastering Lottie makes your Flutter apps **stand out visually**
-

Skipping animations reduces the **visual appeal and interactivity**, making your app feel static.

Visit haas.dev for more Flutter guides, tutorials, and complete project resources.

Website Name: haas.dev

Website Link: <https://dev-roast-app.vercel.app>
