
Flutter Animations Advanced: Hero & Page Transitions

Subtitle: Learn how to create smooth page transitions and Hero animations for a polished Flutter app experience.

Website Name: haas.dev

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

Introduction

Hero animations and custom page transitions make your app **feel fluid and professional**. This guide teaches advanced animation techniques for navigation and UI polish.

Step 1: Hero Animation Basics

```
Hero(  
  tag: 'logo',  
  child: FlutterLogo(size: 100),  
)
```

Navigate to a new screen with the same Hero tag:

```
Navigator.push(  
  context,  
  MaterialPageRoute(builder: (context) => DetailScreen()),  
);
```

Exercise: Animate a Flutter logo from one screen to another using Hero.

Step 2: Custom Page Transitions

```
Navigator.push(  
  context,  
  PageRouteBuilder(  
    pageBuilder: (context, animation, secondaryAnimation) => NextPage(),  
    transitionsBuilder: (context, animation, secondaryAnimation, child) {  
      const begin = Offset(1.0, 0.0);  
      const end = Offset.zero;  
      final tween = Tween(begin: begin, end: end);
```

```
final offsetAnimation = animation.drive(tween);  
return SlideTransition(position: offsetAnimation, child: child);  
},  
,  
);
```

Exercise: Create a slide-in page transition from right to left.

Step 3: Combining Hero with Transitions

- Use `Hero` for specific widgets
- Use `PageRouteBuilder` for overall page transitions
- Avoid overlapping tags to prevent errors

Exercise: Animate a profile image using `Hero` while sliding the page into view.

Step 4: Mini Project

Build a **Flutter Portfolio App**:

- `Hero` animation for project images or profile avatar
 - Smooth page transitions between home and project detail screens
 - Bonus: Combine fade and slide transitions for multiple screens
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Key Takeaways

- `Hero` animations create **shared element transitions** for visual continuity
 - `PageRouteBuilder` allows **custom page animations**
 - Combining both gives a **polished, professional app experience**
 - Advanced animations increase **user satisfaction and perceived app quality**
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Skipping advanced animations makes your app **feel basic and less engaging**, reducing the professional polish.

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

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