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# Flutter WebView: Embedding Web Pages in Your App

**Subtitle:** Learn how to display web content inside your Flutter app using WebView for hybrid functionality.

**Website Name:** haas.dev

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

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## Introduction

Sometimes apps need to **display web content or hybrid pages** without leaving the app. WebView allows you to **embed websites directly** into your Flutter interface.

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## Step 1: Add Dependency

```
dependencies:  
  webview_flutter: ^5.0.0
```

Run:

```
flutter pub get
```

Import in Dart:

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

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## Step 2: Basic WebView Setup

```
WebView(  
  initialUrl: 'https://www.haas.dev',  
  javascriptMode: JavascriptMode.unrestricted,  
)
```

**Exercise:** Display the haas.dev homepage inside a WebView widget.

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## Step 3: WebView Controller

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```
final controller = WebViewController()
  ..setJavaScriptMode(JavaScriptMode.unrestricted)
  ..loadRequest(Uri.parse('https://www.haas.dev'));
```

**Exercise:** Load a URL dynamically using the controller.

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## Step 4: Handling Navigation Events

```
WebView(
  initialUrl: 'https://www.haas.dev',
  navigationDelegate: (request) {
    if(request.url.contains('blocked.com')) {
      return NavigationDecision.prevent;
    }
    return NavigationDecision.navigate;
  },
)
```

**Exercise:** Block navigation to specific websites while allowing others.

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## Step 5: Mini Project

Build a **Flutter News Reader App**:

- Embed multiple news websites using `WebView`
  - Add tabs or a drawer to switch between websites
  - Bonus: Inject custom JavaScript to modify page content
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## Key Takeaways

- `WebView` enables **in-app browsing without leaving your Flutter app**
  - JavaScript mode allows **interactive and dynamic web content**
  - Navigation delegate provides **control over URL access**
  - Mastering `WebView` expands **app capabilities to hybrid content**
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Skipping `WebView` integration makes your app **less versatile**, limiting hybrid features and external content embedding.

Visit [haas.dev](https://www.haas.dev) for more Flutter guides, tutorials, and complete project resources.

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