
Flutter Drag-and-Drop File Upload

Subtitle: Learn how to implement drag-and-drop file upload functionality in Flutter for desktop and web apps.

Website Name: haas.dev

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

Introduction

File upload is essential for apps that **handle user documents, images, or media**. Flutter allows **drag-and-drop functionality** for web and desktop platforms, making file uploads intuitive and fast.

Step 1: Add Dependencies

```
dependencies:  
  file_picker: ^5.3.0  
  flutter_dropzone: ^3.0.0
```

Run:

```
flutter pub get
```

Import in Dart:

```
import 'package:file_picker/file_picker.dart';  
import 'package:flutter_dropzone/flutter_dropzone.dart';
```

Step 2: Initialize DropZone

```
late DropzoneViewController controller;  
  
DropzoneView(  
  onCreate: (ctrl) => controller = ctrl,  
  onDrop: (ev) async {  
    final name = ev.name;  
    final size = ev.size;  
    print('Dropped file: $name, size: $size bytes');  
  },
```

)

Exercise: Detect dropped files and print their name and size.

Step 3: Upload File Using File Picker

```
void pickFile() async {
  FilePickerResult? result = await FilePicker.platform.pickFiles();
  if (result != null) {
    final fileBytes = result.files.first.bytes;
    final fileName = result.files.first.name;
    print('Picked file: $fileName');
  }
}
```

Exercise: Pick a file using the file picker and display its name.

Step 4: Mini Project

Build a **Flutter File Upload App**:

- Drag and drop files into a dropzone
 - Pick files using the file picker button
 - Display file info and allow preview
 - Bonus: Upload files to a backend server
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Key Takeaways

- Drag-and-drop improves **user experience for file uploads**
 - `flutter_dropzone` and `file_picker` simplify web & desktop file handling
 - File upload is essential for apps like **portfolio builders, document management, and media apps**
 - Mastering file handling and drag-drop makes apps **professional and interactive**
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Skipping drag-and-drop makes your app **less intuitive and less user-friendly**, especially for desktop and web users.

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

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