

Flutter Tutorial 4: Create a New Flutter Project in Android Studio

Introduction

In this tutorial, we will learn how to create a new Flutter project using Android Studio. This process is simple and only requires proper Flutter setup before starting.

Prerequisites

- Flutter SDK installed correctly.
- Android Studio installed.
- Flutter and Dart plugins installed in Android Studio.
- `flutter doctor` shows no major errors.

Step 1: Open Android Studio

- Launch Android Studio from your system.
- Wait until the welcome screen appears.

Step 2: Click on New Flutter Project

- On the welcome screen, click on **New Flutter Project**.
- If you do not see this option, make sure Flutter plugin is installed.

Step 3: Select Flutter Application

- Choose **Flutter Application**.
- Click **Next**.

Step 4: Set Flutter SDK Path

- If prompted, provide the path where Flutter SDK is installed.
- Example: `C:\flutter`
- Click **Next** after setting the correct path.

Step 5: Configure Project Settings

Fill the following details:

- **Project Name:** Enter your project name (example: `my_first_app`).
- **Project Location:** Choose the folder where you want to save the project.
- **Description:** Write a short description of your app.
- **Organization:** Example: `com.example`
- Click **Next**.

Step 6: Choose Platform Support

- Select the platforms you want to support (Android, iOS, Web, Desktop).
- Click **Finish**.

Android Studio will now create your Flutter project. This may take a few minutes.

Understanding Project Structure

After creation, you will see different folders:

- **lib folder**: Contains main Dart code. The main file is `main.dart`.
- **android folder**: Android-specific files.
- **ios folder**: iOS-specific files.
- **pubspec.yaml**: Manages dependencies and project configuration.

Conclusion

Creating a Flutter project in Android Studio is simple and beginner friendly. Once the project is created, you can start writing code inside the `lib` folder and build your application step by step.

End of Flutter Tutorial 4