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Experiment 03 : To include icons, images, fonts in Flutter app

Icons in Flutter

Icons in Flutter help enhance UI by providing visual cues for actions, inputs, and navigation. Flutter provides **Material Icons** by default, but you can also use **custom icons** via `.ttf` font files.

1. Material Icons (Built-in)

Flutter has a built-in `Icons` class for Material Design icons. These are included in the Flutter SDK and do not require additional setup.

Usage in Code:

```
Icon(Icons.email, color: Colors.orange);
```

```
Icon(Icons.lock, color: Colors.orange);
```

2. Custom Icons (Using `.ttf` Font Files)

To use custom icons, you need a **.ttf font file** (e.g., FontAwesome or custom-designed icons).

Steps to Add Custom Icons:

Declare in `pubspec.yaml`:
```
flutter:

  Fonts

- family: CustomIcons

    fonts:
```

```
      - asset: assets/fonts/CustomIcons.ttf
```

Images in Flutter

Images are an essential part of a Flutter app's UI, used for branding (logos), illustrations, and user interaction. Flutter supports different types of images:

1. Types of Images in Flutter

- **Asset Images:** Stored in the project directory (`assets/` folder).
- **Network Images:** Loaded from an online URL.
- **File Images:** Loaded from the local device storage.

Since you are using an **asset image (logo.jpg)** in your code, we will focus on that.

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2. Using Asset Images in Flutter

Declare Image in `pubspec.yaml`

Open `pubspec.yaml` and add the image under `flutter > assets`:

```
flutter:

  assets:

    - assets/images/logo.jpg
```

Fonts in Flutter

Fonts play a crucial role in designing a visually appealing UI. By default, Flutter uses the **Roboto** font, but you can add custom fonts to give your app a unique look.

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1. Adding Custom Fonts in Flutter

Step 1: Place the Font File in the `assets/fonts/` Folder

Save your font file (e.g., **Poppins-Regular.ttf**) inside the `assets/fonts/` folder:

Declare the Font in `pubspec.yaml`

Open `pubspec.yaml` and **register the font** under `flutter > fonts`:

```
flutter:
  fonts:
    - family: Poppins
      fonts:
        - asset: assets/fonts/Poppins-Regular.ttf
        - asset: assets/fonts/Poppins-Bold.ttf
          weight: 700
```

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