

EXPERIMENT NO. 3

MAD and PWA Lab

Aim:

To include icons, images, and fonts in a Flutter app.

Basic Description:

In our Flutter Login Screen (inspired by Instagram), we demonstrated the use of icons, images, and fonts:

- **Icons:**
Used the eye icon for password visibility toggle and Instagram logo via `FontAwesomeIcons`. Icon colors and sizes were customized using `color:` and `size:` properties. The `uses-material-design: true` line was enabled in `pubspec.yaml` to allow icon usage.
- **Images:**
Used `Image.asset()` for local PNG images. Assets were placed in an `assets/` folder and declared in `pubspec.yaml`. `Image.network()` can also be used for online images. The displayed image used a height of 30 pixels and white (`primaryColor`) from `colors.dart`.
- **Fonts:**
Used Helvetica Neue as a custom font throughout the app. Fonts were added in the `fonts/` directory and registered in `pubspec.yaml`. Applied globally via `ThemeData(fontFamily: ...)`.

Screenshots:**Icons:**

```
Icon(  
  icon,  
  size: 32,  
),
```

Text

```
Text(label),  
const SizedBox(height: 8),  
Text(  
  value,  
  style: const TextStyle(  
    fontSize: 16,  
    fontWeight: FontWeight.bold,  
  ),  
),
```

**Conclusion:**

We successfully implemented icons, images, and custom fonts to design a Flutter login screen UI, improving its visual and functional appeal.