# Flutter Internship – Weekly Submissions

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**Program:** Flutter Internship at DeveloperHub

**DHC ID**: DHC -45

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## Introduction

As part of the DeveloperHub Flutter Internship program, I have completed the required weekly tasks and documented each one in a dedicated GitHub repository. The internship allowed me to explore foundational and intermediate Flutter concepts, including UI design, state management, navigation, form validation, and data persistence using SharedPreferences.  
  
Each week involved hands-on coding and debugging, helping me build a strong understanding of Flutter's widget tree, layouts, and functionality. Below are my weekly submissions with GitHub repository links and a brief overview of the work done.

## Week 1: Basic Widgets & UI Exploration

GitHub Repo: https://github.com/Mairaj-Malik/DeveloperHub-Week1

Tasks:

* - Built a login screen using Flutter's core widgets.
* - Applied form validation using Form and TextFormField.
* - Navigated from login to a welcome/home screen.
* - Practiced UI customization with fonts, colors, and padding.

Key Concepts: TextFields, Form Validation, Navigation, Material UI Basics

## Week 2: Intermediate UI & List Views

GitHub Repo: https://github.com/Mairaj-Malik/DeveloperHub-Week2

Tasks:

* - Created a simple To-Do List screen.
* - Used ListView.builder to dynamically generate list items.
* - Designed the UI with a consistent dark theme and AppBar.

Key Concepts: ListView, Stateless Widgets, Dark Theme, UI Design

## Week 3: Final Project – Task Management App

GitHub Repo: https://github.com/Mairaj-Malik/DeveloperHub-Week3

Tasks:

* - Developed a complete Task Management App.
* - Added features to add, delete, and mark tasks as complete.
* - Implemented data persistence using SharedPreferences.
* - Completed UI improvements with a custom AppBar and icons.
* - Created a splash screen (Bonus).
* - Ensured completed tasks move to the bottom of the list.

Key Concepts: Stateful Widgets, SharedPreferences, UI Enhancements, Splash Screen, Debugging

Demo Video: https://drive.google.com/drive/folders/1WZWSKZqXAVZA7EjYCsM7jaSTzl0u0Y9p?usp=sharing

## Conclusion

This internship helped me strengthen my understanding of Flutter through real-world app-building tasks. I am now more confident in developing cross-platform UIs and managing app state efficiently. I look forward to applying this knowledge to more advanced projects in the future.