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Application Development Internship

App Report: Calculator App

Introduction

The Calculator is an application developed using the Dart programming language and the Flutter framework. It is designed to perform basic arithmetic operations with ease, featuring a clean and user-friendly interface. The app includes light and dark mode themes that automatically adapt to the system settings, ensuring a seamless user experience across different environments.

Features

Simple and Intuitive User Interface

- **Minimalistic Design**: The app features a straightforward and clean UI, making it easy for users to navigate and perform calculations efficiently.

- **Responsive Layout**: Designed to adapt across various devices and screen sizes, the layout ensures optimal usability.

Basic Calculation Functionality

- **Addition (+)**: Perform addition operations quickly and accurately.

- **Subtraction (-)**: Easily subtract numbers with precise results.

- **Multiplication (*)**: Multiply numbers reliably and efficiently.

- **Division (/)**: Divide numbers accurately with simple controls.

- **Clear Function**: Reset the current input or clear the calculation with ease.

Light and Dark Mode Support

- **Automatic Theme Switching**: The app automatically toggles between light and dark modes based on the system settings, providing a comfortable user experience in any lighting condition.

History Saving

- App Features history saving and reviewing function that saves previous calculation and show them open user need

Technical Implementation

Flutter and Dart

- **Flutter Framework**: Developed using Flutter, the app benefits from rapid development cycles and attractive UI design capabilities.

- **Dart Programming Language**: Dart is utilized for crafting the application logic, ensuring high performance and a smooth user experience.
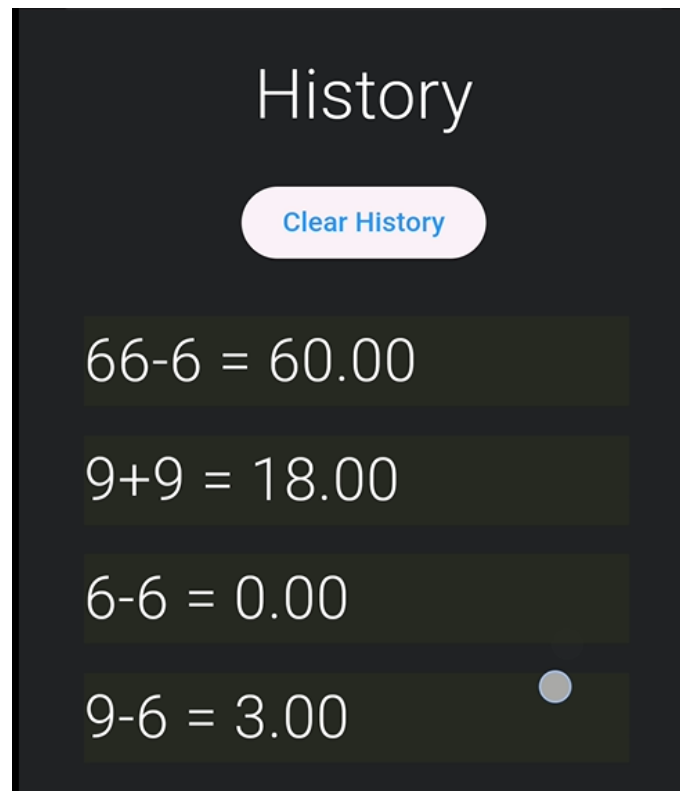
UI Components

- **Custom Widgets**: The app employs custom Flutter widgets to deliver a functional and stylish interface. Multiple button widgets are created to form calculator UI

- **Material Design**: The design is inspired by Material Design principles, creating a familiar and user-friendly layout.
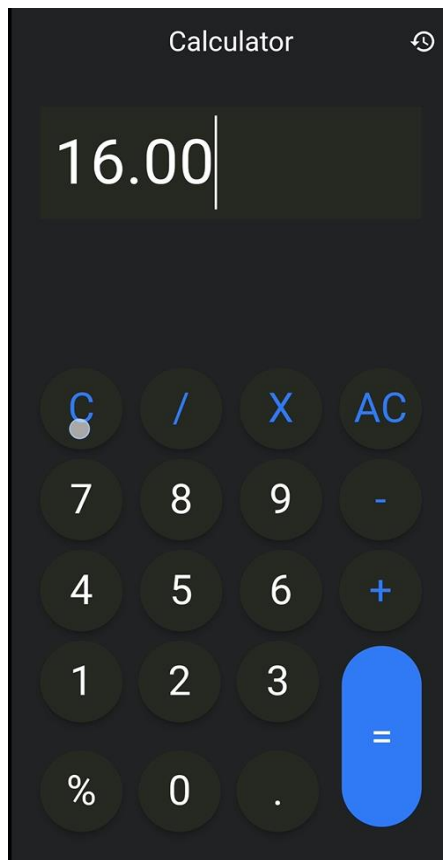
History

- Hive box is used to save history in form and cache and retrieve it from box in form of list
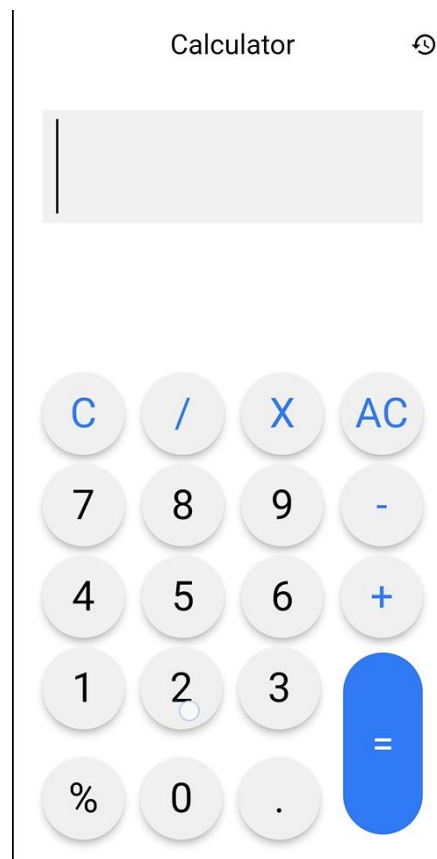
In-App Screenshots

Calculator Sceen Dark Mode

Calculator Sceen Light Mode

Conclusion

The Calculator App is an application that fulfills the needs of users seeking a reliable calculator with a modern interface

Thank You!!