HLD Level Design(HLD) Calculator app

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Abstract

This Calculator app is developed for android cells phones, tablets and pc. It enables the users to perform fundamental mathematical operations such as addition, subtraction, multiplication and division on their phone. It always remains with the user, helps in daily life calculations and works as a typical android calculator app.

Introduction

1.1 Why this High-Level Design Document?

The purpose of this high level document is to present a detailed description of Calculator , and the operations it perform

These are the following operations performed by the calculator

Mathematical operations:

- Addition (+)
- Subtraction (-)
- Multiplication (*)
- Division (/)

1.2 Input schema

It accept the input from the user and perform arthematic operations like addition, subtraction,

Multiplication, division

The input is accepted by using Css On click properties and the output is displayed in a input field called display the operations and done by using eval at the equal operator.

1.3 Technologies

Frontend	Html, Css
Code Hosting	Github
Deployment	Netlify

General Description

Fundamental mathematical calculations are required to be performed in every step of human life. In most of the places such as in shops, hotels, medicals, schools etc., separate calculators are used for

calculation. But, these calculators, being larger in size and needing extra power, can't be carried all the time with us. This creates the necessity of our calculator app which is always with us in browser

- 1. **Size**: The separate calculators are larger in size due to use of own circuit board whereas calculator app is installed in cell phone browser.
- 2. **Power**: A small battery power of cell phone with browser is enough for running calculator app but traditional calculator consume comparatively higher power.
- 3. **Accuracy**: The accuracy of both the calculators depends upon their programming. Calculators can be designed for the desired accuracy.
- 4. **Cost**: Calculator app, being an application, can be used free of cost. The traditional calculators have their own hardware. As a result of this, they need to be purchased.
- 5. **Ease and comfort**: Most of the android cell phones are of touch screen type. So, calculator app is easy and comfortable to use.

Tools used



Vs code



Netlify



Github