**Statistical Tool Web**

**Introduction**

This web platform will contain tool that can be used to calculate and record statistical quantities.

The web will contain 4 pages which are :-

1. Calculator
2. Tally counter
3. Stopwatch
4. Timer

***Calculator***

Features of the Calculator

In this project, I am going to develop a calculator that will have the following features:

1. It will perform basic arithmetic operations like addition, subtraction, division, and multiplication.
2. It will perform decimal operations.
3. The calculator will display Infinity if you try to divide any number by zero.
4. It will not display any result in case of invalid expression. For example, 4+\*9 will not display anything.
5. Clear screen feature to clear the display screen anytime you want.

***Tally Counter***

Features of the tally counter

In this project, I am going to develop a tally counter with the following features:

1. A button for counting
2. A reset button to clear the tally

***Stopwatch***

Features of the stopwatc

In this project, I am going to develop a stopwatch with the following features;

1. A start and stop button
2. A lap button

***Timer***

Features of the timer

In this project, I am going to develop a timer with the following features;

1. Shortcut buttons of 10min 15min and 30min
2. A start and stop button

**Added feature**

The web page will have both light and dark theme

**UML Flowchart and the symbols meaning**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Symbols** | **Name** | **Function** |
|  |  | Start/end | It shows the beginning and the end of a flow chat |
|  |  | Flow | It indicates the path that the process flow |
|  |  | Input\Output | The input or output of information |
|  |  | Decision | Indicates a choice that must be made or a question that needs to be answered. |
|  |  | Process | Indicates any processing function |
|  |  | Document | Indicates data that can be read by people |
|  |  | Subroutine | It indicates a predefined process |

**Example of a flowchart**

