CSC414Project

Simple Calculator and Number Properties

Software Description

- The program created has the main menu of nine usable choices to the side.

- This program also comes with an exit choice on the main menu for the user to exit.
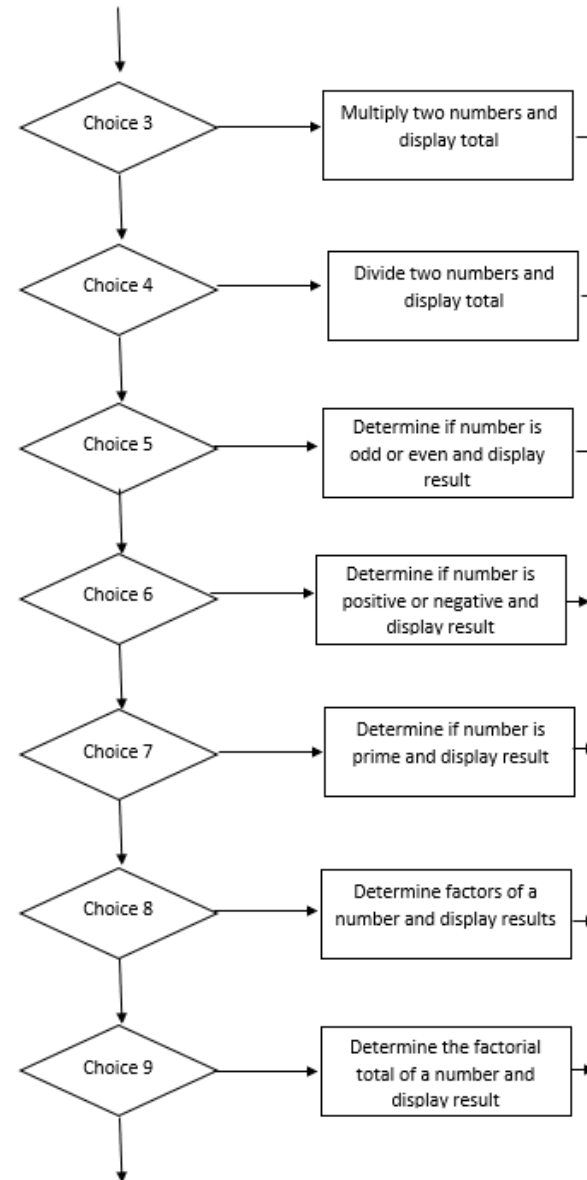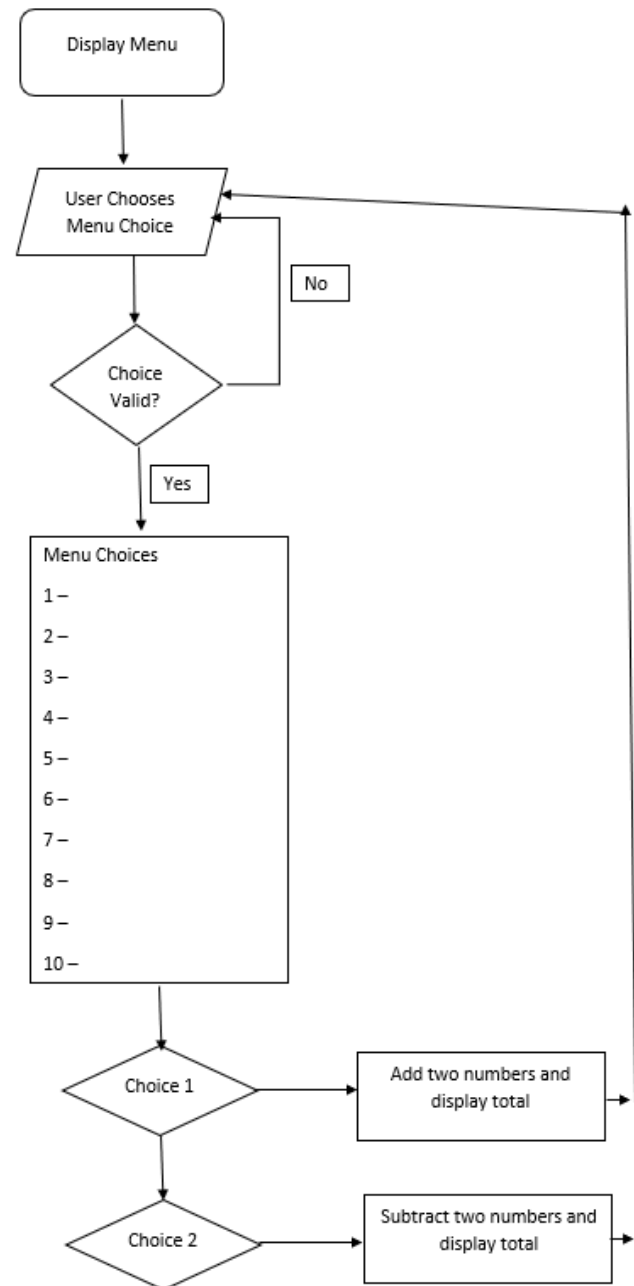
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1 - Addition
2 - Subtraction
3 - Multiplication
4 - Division
5 - Odd or Even
6 - Positive or Negative
7 - Prime
8 - Factors
9 - Factorial
10 -
11 - Exit Menu


Enter the number (1-11) assoicated with option wanted
Choice:
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- In order, the choices on the menu are:

- addition of two numbers

- subtraction of two numbers

- multiplication of two numbers

- division of two numbers

- determining if a number is odd or even

- determining if a number is positive or negative

- determining if a number is prime

- determining the factors of a number

- determining the factorial total of a number

Software Design

- This project was designed using a function for each menu choice so that any code editing would be done to the corresponding function and have minimal impact on overall program viability.

- This project was also designed using a do-while loop to continuously display the menu to the user.

- This project also is designed using a while loop to validate user input and will loop until a valid choice is given.

Flowchart of Project