NNguyen_Pr2

Test Plan Table

1. Initialize variables and constants
2. Prompt user for country
3. Displays options for conversions (type 1-4)
   1. Temperature (celsius -> farenheit)
   2. Distance (kilometers -> miles)
   3. Weight (kilograms -> pounds)
   4. Quit
   5. Other -> error message
4. Return conversion/quit
5. Display {country name} sounds fun
6. Goodbye message
   1. Programmer name
   2. Course project
   3. Due date

Screenshots of Test Cases

```
Enter a country name: United Kingdom

Converter Toolkit
---------------------
 1. Temperature Converter
 2. Distance Converter
 3. Weight Converter
 4. Quit

Enter a number: 1
What is the temperature in celsius? 60
It is 140 in Farenheit.

United Kingdom sounds fun!


Thank you for testing my program!
Programmer: Nicholas Nguyen
CMSC-140 Common Project 2
Due Date: 2023-07-05
```

```
Enter a country name: United Kingdom

Converter Toolkit
---------------------
 1. Temperature Converter
 2. Distance Converter
 3. Weight Converter
 4. Quit

Enter a number: 2
What is the distance in kilometers? 20
20 kilometers is 12.00 miles.

United Kingdom sounds fun!


Thank you for testing my program!
Programmer: Nicholas Nguyen
CMSC-140 Common Project 2
Due Date: 2023-07-05
```

```
Enter a country name: United Kingdom

Converter Toolkit
---------------------
 1. Temperature Converter
 2. Distance Converter
 3. Weight Converter
 4. Quit

Enter a number: 3
What is the weight in kilograms? 20
20 kilograms is 44.0 pounds.

United Kingdom sounds fun!


Thank you for testing my program!
Programmer: Nicholas Nguyen
CMSC-140 Common Project 2
Due Date: 2023-07-05
```

```
Enter a country name: United Kingdom

Converter Toolkit
---------------------
  1. Temperature Converter
  2. Distance Converter
  3. Weight Converter
  4. Quit

Enter a number: 4
Program ended.


Thank you for testing my program!
Programmer: Nicholas Nguyen
CMSC-140 Common Project 2
Due Date: 2023-07-05
```
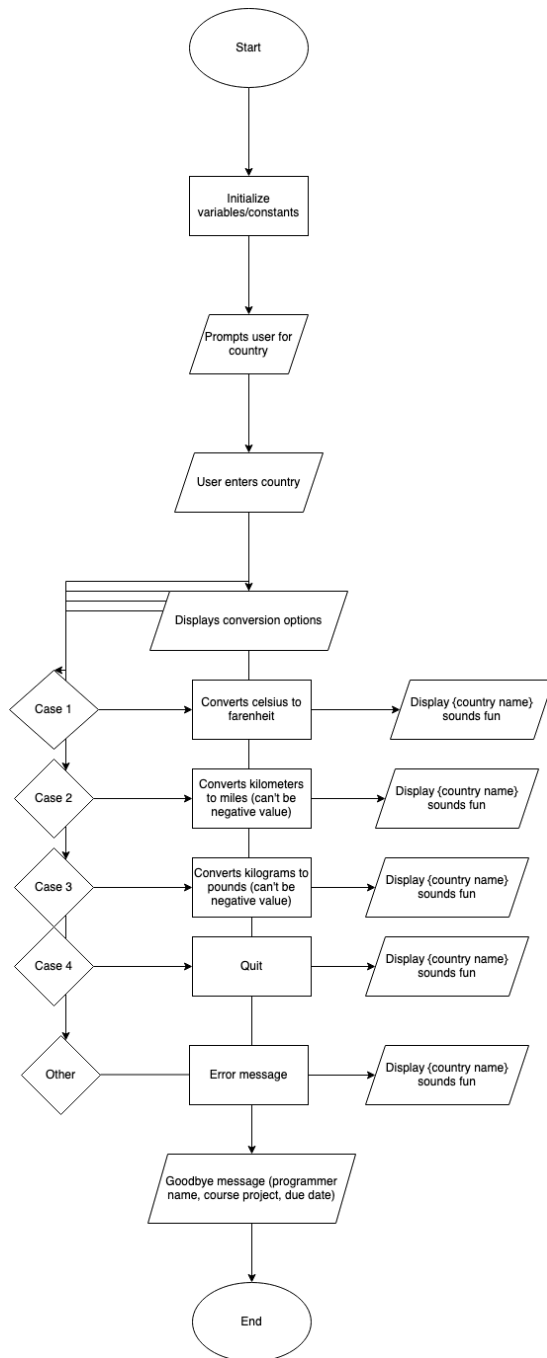
```
Enter a country name: United Kingdom

Converter Toolkit
---------------------
  1. Temperature Converter
  2. Distance Converter
  3. Weight Converter
  4. Quit

Enter a number: 5
That is not a choice. Please enter another number.


Thank you for testing my program!
Programmer: Nicholas Nguyen
CMSC-140 Common Project 2
Due Date: 2023-07-05
```

Flowchart

Questions to Answer

? Write about your Learning Experience, highlighting your lessons learned and learning experience from working on this project.

I had a pretty good learning experience doing this project and had quite a bit of fun. I learned lessons about debugging and the importance of it in a project like this. Trial and error is key, and each project I do continues to teach me the practice of patience.

? What have you learned?

I learned more about `switch` statements and were able to utilize them in different ways.

? What did you struggle with?

I struggled with figuring out the errors for the cases since I couldn't get the program to compile because of those for the longest time.

? What would you do differently on your next project?

I would probably better plan my pseudocode/flowchart before beginning to code.

? What parts of this assignment were you successful with, and what parts (if any) were you not successful with?

I was successful with basically the entire assignment, and I'm pretty happy about that.

? Provide any additional resources/links/videos you used to while working on this assignment/project.

N/A