Homework 5

1. The Setup

Please read https://github.com/csulbying/web-app-dev/blob/master/01-setup/setup.md for detail instructions to setup your development tools, create a Github repository, and how to deploy a git repository to Netlify (https://app.netlify.com/).

2. The Submission

The detail web site requirements are given in the next section. Once you complete it, please create a text file (a file with ".txt" postfix) that has two links, one to your github repository and one to your netlify website. Please submit the text file to the beachboard dropbox.

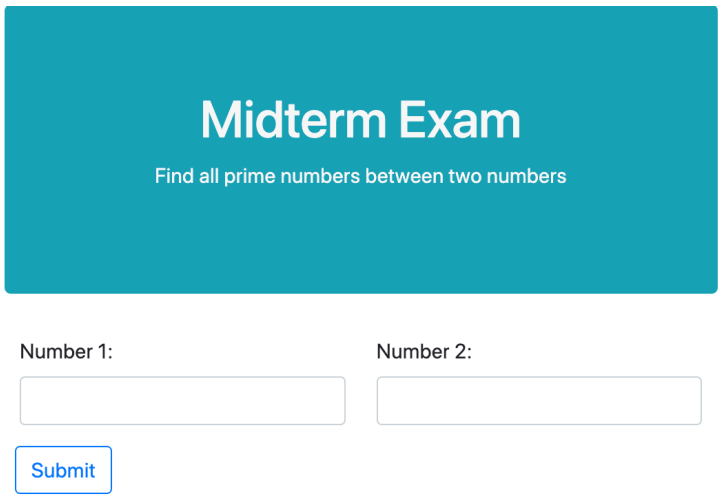
Wrong file format, invalid URL, or un-working application is completed and gets 0 point. For example, below is the sample content of your hw.txt (the links are sample links, please change them to your github repository and your netlify site)

https://github.com/your-github-name/your-repository.git
https://user-specific-part.netlify.com/

3. Assignment

Step 1: Basic layout and styles (60 points)

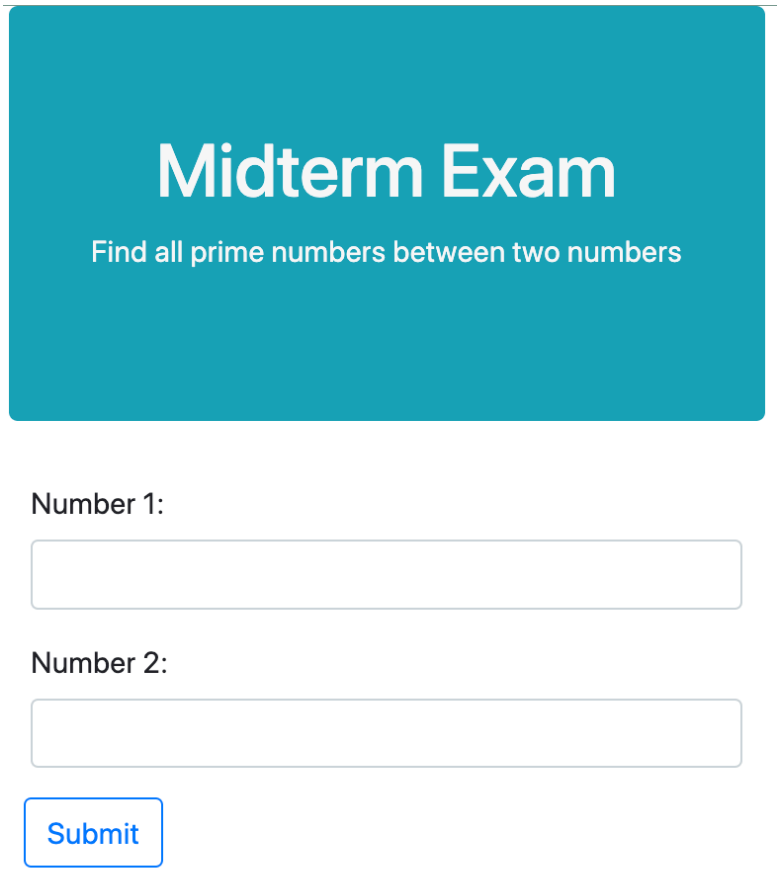
When open your html file, it should display the following UI:



It's styled with a background "teal". Texts are centered too.

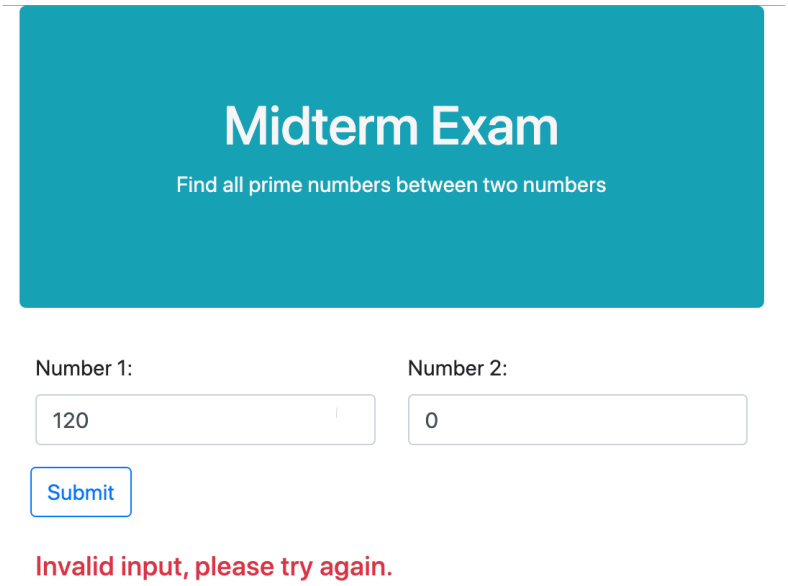
Below the title are two labelled input fields. Then a submit button with. The button is vertical aligned with number 1 input.

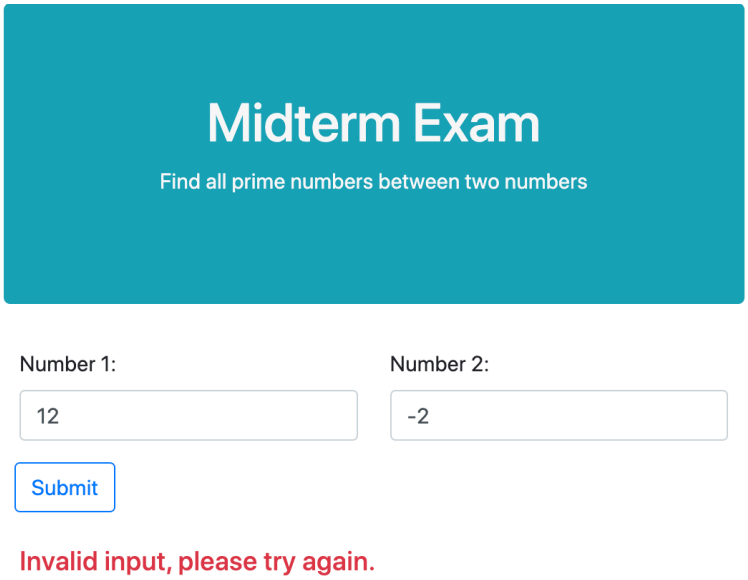
The page should be responsive, if the screen is small than medium (900px), it displays as the following:



Step 2: Valid inputs (60)

User should be allowed to input two numbers in the range of 2 and 100 (including 2 and 100). If any input number is invalid, display an error message in "red" color. Below are two examples: in case 1, the first input is 120 that is bigger than 100. In case 2, the 2nd input is -2 that is below 2.





Step 3: find all prime numbers and print the result (60 points)

Find all prime numbers between the two inputs (including the inputs) and report the count (using "teal" color) and list of all prime numbers (using bold font and red color). The inputs can be in any order, i.e., number 1 could be bigger or smaller than number 2. Following are three examples for input pairs of {20, 21}, {2, 10}, and {90, 77}. In the third case, the number1 of 90 is bigger than number 2 of 77.

Midterm Exam

Find all prime numbers between two numbers

Number 1: 20

Number 2: 21

Submit

There are 0 prime numbers.

Midterm Exam

Find all prime numbers between two numbers

Number 1: 2

Number 2: 10

Submit

There are 4 prime numbers.

2,3,5,7

Midterm Exam

Find all prime numbers between two numbers

Number 1:

90

Number 2:

77

Submit

There are 3 prime numbers.

79,83,89