CSE22: Introduction to Programming
Lab 7

1   Introduction

In this lab we will create a new tab in our overall website, where we will be practicing our string processing algorithms.

2   Tasks

- Create a new tab in your navbar that takes you to a new page called Book, or Books, or Library. You may do the tasks for a single book, or for multiple books, so you should name your page accordingly.

- On the book page, there should be a textarea containing the text of the book you want to showcase. You may get the book from the Gutenberg project as demonstrated in class. The text area should take up about half of your page. The other half of your page should have some statistics of related to the book. These should include the number of words, the longest word, the shortest word, the most frequently occurring word (or words).

- If you want to do extra work, you can create a library page where is displays thumbnails of your favorite books, the user clicks on one, and then it takes them to the page where they can view statistics and read the book.

- Again, as an extra feature, you can add a counter for how many times each book has been opened by users. This information should be stored, so that it is always accurate and gets updated every time someone clicks on a book.

3   Deadline

This lab assignment is out of 100 points. The due date is Monday Friday November 20, 2020 at 11:59 pm, so you have more than 1 week to do it.