

CSE4500 – Platform Computing

Project4 – Thyroid Cancer App

Instructions (3 of 3) – JavaScript Graphics

(Accompanying Lecture Video:

<https://www.youtube.com/watch?v=24uwKVnCjYc>)

Introduction

We are going to develop a nontrivial app for monitoring test results of a thyroid cancer patient. The app was developed as a prototype for a project. The concepts described in this app can be used to monitor other types of quantitative test results, such as temperature and/or pressure of a boiler, wear and tear of a machine part, or the level of water in a reservoir/river. We will be discussing this app over the next three chapters.

Because this assignment spans chapters 5 through 7, this set of instructions is part one of three total.

Thyroid Cancer Aide

Password :

Enter

About

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Instructions

1. Using Visual Studio Code, open the folder called *Project4*.
2. Underneath the *scripts* subdirectory:
 - a. Add the following files from Canvas:
 - i. RGraph.common.core.js
 - ii. RGraph.common.effects.js
 - iii. RGraph.line.js
 - iv. RGraph.cornergauge.js
 - v. RGraph.hprogress.js

Lab Report

Use the 'Lab Report Template' found on Blackboard/Canvas. Your lab report must contain the following:

- Report:
 - *This was a hefty project! So I am not requiring you to document everything you learned!*
 - Instead, I just want you to list five new things you learned doing this project. Each item can be one or more sentences.
 - Ie. I learned how to make an application password protected. This is done by having an input textbox's *type* attribute set to "password".
- Source Code:
 - *NONE! You can leave this blank! I do not need your scripts because they will be all the same!*
- Screenshot:
 - When your thyroid application first runs, enter the default password of '2345' to access the application.
 - Click 'User Info'
 - Add yourself as a user.
 - Enter your firstname.
 - Enter your lastname.
 - Enter your (fake) birthdate. (I don't need your real birthdate, but it will only accept a valid birthdate, aka a date before the current date)
 - Change your password (use 3456)
 - Enter your (fake) health card number (DO NOT use your real health card number)
 - For Cancer Type, Cancer Stage, and Target TSH Range, enter any values.
 - Click Update
 - Click 'Records'
 - Take a screenshot of the result.
 - Sample Screenshot:

The screenshot shows a web application interface with a dark header bar containing 'Menu', 'Records', and 'Info' buttons. The main content area displays user profile information for 'Lawrence Orijuela', including age (28), health card number (123123), new password (3456), cancer type (Papillary), cancer stage (Stage I), and TSH range (0.01-0.1 mIU/L). Below this is an 'Edit Profile' button. The 'History' section is currently empty, showing two placeholder buttons: 'Add New Entry' and 'Clear History'.

History	
<input type="radio"/>	Add New Entry
<input type="radio"/>	Clear History