Goal3: Assignment: Debug (3h)

Debugging

You will debug a broken search engine until functional, using techniques learned in lecture.

This assignment will test your JavaScript debugging / troubleshooting skills. You will utilize basics skills such as using Firebug (using Firefox or Chrome), Inspect Element (Chrome), and various methods of console.log.

Objectives & Outcomes

Successful completion of this activity will show that you can:

- Comprehend the use of JavaScript debugging and troubleshooting tools.
- Apply solutions (syntax, run-time and logic) to fix programming issues.
- Analyze programming code and logic, using critical thinking to detect syntax, run-time and/or logic programming issues.

Level of Effort

This activity should take approximately 240m to complete. It will require:

- 0m Research
- 15m Prep & Delivery
- 225m Work

If you find that this activity takes you significantly less or more time than this estimate, please contact me for guidance.

Reading & Resources

All Rubric *(necessary)*
This is a Google doc link to ALL the Rubrics for ALL assignments.

Assignment Files *(necessary)*
This link has all the files you need to get started with this programming assignment.

Instructions

Getting Started:

- THIS IS AN ASSESSMENT ASSIGNMENT THAT WILL BE TURNED INTO FSO. DO NOT PUT THE FILES INTO YOUR GIT REPO
- IF this is found in your GIT REPO you will be deducted points!!!
- In a director outside of your GIT REPO you will need to create a directory entitled "goal3_assign_debug". This is where all your assignment development files will reside.
- Download the .zip file from FSO for this assignment and unzip it in the directory created above.
- Using JavaScript comments, place your name, date and assignment at the top of the JavaScript file.
- You will need to create a script tag for js/main.js in your .html file.
- You will need to create a script tag for js/main.js in your .html file.
- Make sure you adhere to proper folder constructs, if applicable (css, images, js, etc)

(Online) Please watch the associated demonstration screencast that shows the finished assignment and explains the rubric and requirements.

Criteria:

To obtain full credit on the assignment your submission should match the functionality of the demonstration. The following criteria must be adhered to as well as satisfying all items on this assignment's rubric.

You are given a search engine codebase written in JavaScript and a JSON document with search results (You will not have to know about JSON as this time. There are no errors in the JSON file). Only the JavaScript file is riddled with errors. You must use techniques learned in lecture to fix all of the syntax, runtime, and logic errors in the assignment, until the search works correctly. There are 21 errors (syntax, run-time & logic) in the JavaScript file.

- You will need to fix all syntax errors.
- You will need to fix all run-time errors.
- You will need to fix all logic errors.
- When the search works, you should be able to search for “object” or “string” and get link results (the links should work correctly)
- An invalid search should show a “No Results” message

Helpful Hints:

- Do NOT create issues for yourself!!! If you attempt to fix an issue and the potential solution does not fix the issues, put the original code back in place.
- **No new lines of code are needed** (you should only fix the existing lines of code)(except for console logs).
- There are hints in the code comments to help with logic errors **(READ them carefully)**
- There are NO HTML issues.
- There are NO JSON issues.
- If you’re unsure about a method name, look it up on **dochub.io.**

Deliverables

Name your file lastname_firstname_debug.zip and deliver your file into FSO.