Dorantes_Juan_Written_Software

The First step for this assignment was to read the prompt and make sure I understood to the best of my abilities the result that was expected. After Reading the assignment and highlighting requirements, I read the JavaScript file(book_search.js) and test it using the tester.html file. I opened the files for editing using VS code to work as a text editor and start modifying the code. The modification of the script(code), started with defining the var result structure by defining the Specific Output we were looking for, meaning to specify the ISBN, Page, and Line where the Search Term is found. I used a nested for loop to scanned threw the object and used the include method to find the Search Term. The Search Term is found by looping threw every content and is case sensitive and successfully identifies when the search term is different from the one requested. The key to algorithm is to save the index where the match is found and save it into the result structure and returning the JSON object for result evaluation. I attached an Image for Result Evaluation.