NOTE1: There are some things on this test we have not yet worked with, e.g., radio buttons. To try to make the test as understandable and fair as possible, I have added a Bonus question (#5). So, it is possible a student could actually get a 125 / 100 on the test.

NOTE2: I have provided hyperlinks for #s 2 – 4 to help you figure out how to do the operation.

NOTE3: I have decided to give you lab/test time today and tomorrow to work on the test. It will be due by midnight Friday 10/27. There will be **no lecture tomorrow, Thursday 10/26**, but **I will lecture on Chapters 6 – 7 on Friday, 10/27.**

Scenario: A JavaScript developer was recently fired from a company that you just got hired at. You’ve been assigned his old project which isn’t working properly and asked to clean up his mess.

This web page is supposed to accurately calculate the cost of Video Games for sale. For each box that is checked, the Item Total label should reflect the sum of those items when the Calculate button is clicked. The Tax label should reflect the product of a 5% tax on the total. The Total with Tax label should reflect the sum of the Total and Tax.

**Grading Rubric –**

1. Declare and use the $ alias described in your textbook as part of your solution. **– 10 points.**

2. There are 6 problems/errors. Use JS comments to document each fix. **– 10 points.**

i. The submit button doesn’t work when clicked **– 10 points.**

ii. The price for the games is not being calculated **– 10 points.**

iii. The tax is not being calculated **– 10 points.**

iv. Constants and variables are not being used **– 10 points.**

v. The total with tax is not being calculated **– 10 points.**

vi. The radio buttons do not add their price to the total correctly **– 10 points.**

(<https://stackoverflow.com/questions/15839169/how-to-get-the-value-of-a-selected-radio-button>)

1. Use JavaScript to place today’s date near the bottom of the webpage in a format of

Wed Oct 25 2023 **– 10 points.** (<https://www.w3schools.com/js/tryit.asp?filename=tryjs_date_setfullyear>)

1. Clear any radio button selections after the calculate button has been clicked **– 10 points.**

(<https://stackoverflow.com/questions/2554116/how-to-clear-radio-button-in-javascript>)

1. Bonus – When the Clear button is clicked, any/all radio buttons should be clears, the Item total, Tax, and Total with tax amounts should be reset to 0. – **25 points.**