**Seneca College**

**Web 422**

**Assignment One**

**Due. Friday May, 18 11:59 PM**

**Instructions:**

* Place all your solutions in a single html file, put your html file along with the jQuery\*.js file in one folder and zip it.
* For each question, provide one sample output to be displayed on the browser.
* Submit your zipped file through the upload link that is provided on the BB.
* Submissions after the deadline will receive zero grade
* Your code MUST run on a local machine with no errors

1 - Write jQuery Code to add a <b> tag at the beginning of the list item, containing the index of the list item. For example: **(15 Marks)**

* **0:** First element
* **1:** Second element
* **2:** Third element

2 - Stop people from writing in a text input box. The input box should be visible and clickable, but when the user can’t type inside the box. **(15 marks)**

3 - Count the number of milliseconds between the two click events on a button. **(15 Marks)**

4 - Display the keyboard key which was pressed in a textbox. **(15 Marks)**

5 – Develop the following game: **(40 Marks)**

* A random character is displayed and the user is supposed to type the same character in one second.
* If the punched character is correct, the next random character is displayed.
* Otherwise, the player is displayed a warning.
* The player will lose the game after 10 mistakes.
* After every 5 correct characters, the punch time is decreased by 0.1 second to make the game more difficult.
* The punch time should never get less than 0.4 seconds.