Final Project

ITEC 3020, Summer 2021

- You should work **individually** and not in any kind of partnership with others.
- You have about a week to finish the project. The due date of the project is on **August 6,**
- **2021, at 11:55 pm**.
- The estimated time for the successful completion of the project is about **6 hours**.
- The nature of the project allows searching the textbook, notes, slides, and other course materials on the eClass course website. But you have to abide by the rules of Senate Guidelines on Academic Honesty and course policies.
- What you may not do: You may not consult with others or work in collaboration to create your solution in any mode (talking, emailing, texting, etc.). You may not use templates or outsource any part of your project. If you are discovered, your case and all accompanying documentation will be submitted to the Dean's office via established channels for cases of academic dishonesty.
- It is reasonable to expect technical snafus (your computer flakes out, network connection drops). Take precautions (e.g., work offline, save backups, etc). Do not expect to receive accommodation If you lose all of your work due to technical snafus. We will deal with other minor technical snafus on a case-by-case basis.
- Pay attention to the course announcements during the period more than ever.

Creating a dynamic web page using HTML, CSS, JavaScript, Ajax and PHP

This project is in continuation of the static webpage you designed in assignment one. In this project, you are asked to create a dynamic product page in an online shop using proper HTML, CSS, JavaScript, Ajax and PHP code. The use of CSS to style your websites in a way it's appealing to the user is important.

The project includes two main pages, a login page, and a product page.

The *login page* must include:

- A field to ask for the username.
- A field to ask for the Password; Password should have at least six characters including one uppercase letter, one lowercase letter, and one special character.
- Login button checks if the username and password entered by the user are among valid usernames and passwords stored in an array in a .php file.
- If the username and password are not valid, show a proper message to the user that either username or password is not valid.

- If the username and password are valid, meaning that they exist in the array on the server-side, guide the user to the product page.
- To complete this task, you need to use Ajax.

The *product page* should include:

- Logo and name of the online shop
- At least three pictures of the product (pictures should be stacked and when the user clicks on one of them, the selected picture comes to the top)
- A list pointing out different characteristics of the product.
- At least two dropdown boxes to choose between different variations of the product in terms of color, size, model, etc. (based on the product you choose to present)
- Dynamically fill one or more dropdown boxes based on a value chosen by one of the dropdown boxes. For instance, if the user selects a specific product color, then product size, and product model dropdown lists should only show the various sizes or models which exist in stock for the chosen color of the product.
- You need to use Ajax to complete this task.
- A button to view the cart. The user should see all the added items to the cart when he/she clicks on the "view cart" button. The cart can be a 'div' on the side of the webpage.
- A button to add the product to the cart. Dynamically add a row to the cart when the user clicks on the "add to cart" button.
- A search field for searching new items. When the user is searching for an item in the search box, based on the entered characters, he should see autocomplete suggestions with the same starting letters. You need to use Ajax to complete this task.
- A navigation bar to navigate to other pages
- A section promoting similar/suggested products

Pay attention:

- Your page should be fully dynamic, meaning that the design should be complete, and all the buttons and links should properly work (except for pages to which the navigation bar points).
- In creating your website, you might need to use your textbook, examples we saw in the class meetings, or w3schools and similar resources.
- Proper implementation of the tags and contents is important.

Bonus Points:

- Get up to **5% bonus points** using jQuery library and its features in your project.