

Vanier College
Faculty of Continuing Education
Front-End Programming– Final Exam
Winter 2022
Instructor: Niloufar Salehi

Total Mark: 30% of final mark.	Time Allowed: Entire Class Time
Student's Name:	Student's ID:
Section:5807	Date: 2022-05-05

Exam Rules:

- *Late submission* and *sent on mio* will not be graded.
- Only submit at designated place on Omnivox under assignment.
- Similar answers or copy answer from another student >> both students will get Zero
- This exam is meant as individual work! Be aware of the college regulations concerning plagiarism. In cases where cheating or plagiarism is suspected, the case will be forwarded directly to the appropriate office.

General Guidelines When Writing Programs:

1.Include the following comments at the top of your source codes :

Final Exam
Written by: (include your name and student id)
For "Front-End Web Programming" Section 05807- Winter 2022

2.Write appropriate comments to describe steps in your source codes.

What to Submit:

- Make **one ZIP** file that includes all relevant source files such as HTML, CSS, JS, image/video files.
- Submit the ZIP file via Omnivox.
 - Do not use the RAR (or some other) format!

Files not submitted to the correct location or not in the requested format will not be graded.

Grading Criteria:

- Format, clarity, completeness, accuracy of output, and comments are counted for grading

Question) (90 pts.)

Software companies often offer their customers the option to lease the software yearly or purchase it for a one-time fee. Also, they offer numerous add-on options such as technical support, training, and cloud backup services. In this question, you are to create a website (2 to 4 pages based on your design) that offers the user these types of options.

At a bare minimum, your website must provide the following:

- a) A **table** to show the list of options and prices, as below **(5 pts.)**

Option	Price
Yearly lease	\$5,000
One-Time Purchase	\$20,000
Level-3 Technical Support	\$3,500
On-Site Training	\$2,000
Cloud Backup	\$300

- b) Calculation System: **(40 pts.)**

Use radio buttons and check boxes to prompt user to enter the options and after clicking on *Calculate* button, the costs should be displayed. A sample **form** is shown in the following figure.

Licensing Options

☒ Yearly license
☐ One-Time Purchase

Optional Features (yearly)

☒ Level-3 Technical Support
☐ On-site Training
☒ Cloud Backup

Cost of software licensing:

5,000.00

Cost of optional features:

3,800.00

Calculate

- c) There should be at least a **link** in the page (2.5 pts.).
- d) There should be at least 1 **image** in the page (2.5 pts.).
- e) At least one **external style sheet (CSS)** which contains a minimum of five styles (5 pts.).

Note: You can implement javascript functions in an external file or as an inline content in your files.

- f) Web site must contain appropriate meta tags and has **responsive** layout (for mobile and desktop versions) (10 pts.).
- g) Your pages should have some **formatting and interactivity** for elements (such as, shadow, mouse hover, etc.) but try not to overdo it to the point that the content is compromised. (5 pts.).

Note1(15 pts.):

The specific **look** and feel of the pages described is left intentionally vague, allowing considerable design freedom on your part (you can show a welcome message, menus, ...). However, for full points the pages should have a nice look and its code should satisfy common standards (meaning, for example, that it would be easy for someone else to read your code and understand what the intention of the pages is).

Note2(5 pts.): Do not forget to write appropriate **comments**.

“A lot of people want a shortcut. I find the best shortcut is the long way, which is basically two words: work hard.” (Randy Pausch)

Wishing you all the success on your exams

Niloufar Salehi