

# Vanier College Faculty of Science and Technology

## Internet Programming

### Final Project

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**Due Date:** By 11:59pm Monday, May 13, 2024.

**Presentation Date:** Tuesday, May 14, 2024.

**Evaluation:** 30% of final mark

**Format:** Individual work

**Late Submission:** none accepted.

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#### General Guidelines When Writing Programs:

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

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Final Project  
Written by: (include your name and student No.)  
For “Internet Programming” Section (include Sec No.)– Winter 2024  
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2. Write appropriate comments to describe variables/steps/methods in your source codes.
3. You will have a short presentation and demo, max 10 mins (7-8 mins for presentation and 2-3 mins for questions).
- ✓ Respect the timeline.
  - ✓ Submission without presentation is invalid.

\*Enter your name and project’s topic in the following sheet. (By 11:59pm Sunday March 31, 2024)

[https://docs.google.com/spreadsheets/d/1tDLGsJB8FSqWMhNQr\\_mh0yvlfUqmhsMOV\\_GRG5I7lpo/edit?usp=sharing](https://docs.google.com/spreadsheets/d/1tDLGsJB8FSqWMhNQr_mh0yvlfUqmhsMOV_GRG5I7lpo/edit?usp=sharing)

## Project Deliverables:

The deliverables will be as follows:

Deliverable	Due Date	Task
Deliverable 1	11:59pm Monday, April 8, 2024 (Submit via Lea)  Presentation: Tuesday, April 9, 2024 (during your lab session)	Project Plan -Describe the project -List the implementation tasks  Wireframes -Blueprint of web pages showing what components will be on a page and their positions
Deliverable 2	11:59pm Monday, April 29, 2024 (Submit via Lea)  Presentation: Tuesday, April 30, 2024 (during your lab session)	HTML web pages with CSS and responsive layout, JS HTML DOM
Deliverable 3	11:59pm Monday, May 13, 2024 (Submit via Lea)	Json, Ajax, Forms inputs validation, Project files/Report submission
Deliverable 4	Tuesday, May 14, 2024	Project Presentation

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### What to Submit:

- Make **one ZIP** file that includes all relevant source files such as HTML, CSS, image file(s), video file(s), .js files etc., as well as README file.
- 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.**

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### Grading Criteria:

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

## Select a topic for your project:

Sample topics are:

- College Website
- Shopping Website
- Gym Website
- Travel Website
- Library Website
- Hotel Website

*-You can use other topics if you wish.*

### ➤ **Project MUST** (at minimum):

- Contains one home page and four (but no more than seven) content pages.
  - Each page must contain appropriate text and images that provide information and value to the target audience.
  - Each page must contain appropriate page titles.
  - At least one table utilizing data effectively.
  - One video (you are not required to create the video, there are many sharable videos on the Web – chose one that is relevant to your project and do not forget to reference it for copyright).
  - There should be a navigation menu.
  - One e-mail link
  - Each page must contain appropriate meta tags and have responsive layout (for mobile and desktop versions)
  - At least one form (six fields minimum) which calculate a formula and display information in appropriate format (see Figure 1 for a sample form)
    - Form must reside on project site (link to an external form is not allowed)
  - 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.
  - At least one external style sheet (CSS) which contains a minimum of six (6) styles
- Note: You can implement javascript functions in an external file or as an inline content in your files.
- Uses Ajax
  - Uses JSON to get data from an HTTP server

Workshops

Select one:

☐ Introduction to E-commerce

☐ The Future of the Web

☒ Web Programming

☐ Network Security

☒ Opening Night Dinner (\$30)

Calculate

Total Fee: \$425.00

Figure 1: Sample From

**Note:** Create a README file as a guide that gives users a detailed description of a project you have worked on.

**Note:** The specific look and feel of the pages are left intentionally vague, allowing considerable design freedom on your part. However, the pages should have nice look and the code should satisfy common standards.

**Note:** Of Course, there are many available source codes, but you need to implement the project by yourselves. You cannot copy others' work as it is considered as plagiarism and consequently you will get zero. In addition, the work you're creating now isn't just useful for passing a class or getting a good grade on the project, they can be the building blocks that you use to create amazing new works in the future.