**INTERNET PROGRAMMING**

**420-311-VA**

**PROJECT**

For this project the student will work individually to implement a website consisting of at least two web pages with the following features, at a minimum:

* A menu
* A footer
* Uses JavaScript
* Uses JavaScript and the DOM API to build HTML elements
* Handles user input validation
* Uses an iframe and an embed code
* Uses Ajax
* Reads and process JSON data
* Uses a jQuery or a third party user interface component
* Uses cookies, local storage, and/or session storage

## The deliverables will be as follows

| Deliverable-1 | * Project Plan   + Describe the project   + List the implementation tasks * wireframes   + A black and white mockup drawing of the web pages showing what components will be on a page and their positions |
| --- | --- |
| Deliverable-2 | HTML templates   * HTML web pages with CSS before JavaScript |
| Deliverable-3 | Final complete code |
| Deliverable-4 | Project Report |

## Grading Criteria

|  | **Weight (out of 30)** |
| --- | --- |
| Deliverable-1 | |
| * Clear and well written project description with enough details | 1 |
| * Detailed implementation tasks | 1 |
| * Wireframes | 1 |
| Deliverable-2 | |
| * Look and feel   + Homogeneous colors chosen out of a color palette   + Images go well with the colors and layout   + Layout and text is clear   + User controls are accessible and easy to use | 2 |
| * Layout implemented without flows and is responsive | 4 |
| Deliverable-3 | |
| * Uses cookies, and/or local storage, and/or session storage | 3 |
| * Using DOM for HTML creation and manipulation | 3 |
| * Handles user input validation | 3 |
| * Uses Ajax | 3 |
| * Uses a jQuery or a third party user interface component | 3 |
| * Reads and process JSON data | 2 |
| * Uses an iframe and an embed code | 2 |
| Deliverable-4 | |
| * Well written and formatted report with screenshots of the implemented website and a short description of each technology used and its usage. | 2 |