Introduction

Good*food* (https://www.makegoodfood.ca/) is a popular Canadian meal delivery company that creates recipes and delivers the ingredients straight to your door. You have been contracted as a full-stack programmer to develop your version, a competing product, of the Good*food* website. Of course, your version will not be nearly as feature rich, but it will be a great showpiece for your CV.

You must not name your website *Goodfood* but must instead come up with your own name and brand. Also, your website cannot look the same as the Goodfood website however you can use the website (or similar meal kit websites) to inspire the look and feel for your implementation.

The implementation of the website will be spanned over six assignments. In this assignment, you will focus on building an Express server and the home page for your web application. There is no database connectivity required at this time.

This assignment is worth 5% of your final grade.

Reminder about academic integrity

Most of the materials posted in this course are protected by copyright. It is a violation of Canada's Copyright Act and Seneca's Copyright Policy to share, post, and/or upload course material in part or in whole without the permission of the copyright owner. This includes posting materials to third-party file-sharing sites such as assignment-sharing or homework help sites. Course material includes teaching material, assignment questions, tests, and presentations created by faculty, other members of the Seneca community, or other copyright owners.

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These prohibitions remain in effect both during a student's enrollment at the college as well as withdrawal or graduation from Seneca.

This assignment must be worked on individually and you must submit your own work. You are responsible to ensure that your solution, or any part of it, is not duplicated by another student. If you choose to push your source code to a source control repository, such as GIT, ensure that you have made that repository private.

A suspected violation will be filed with the Academic Integrity Committee and may result in a grade of zero on this assignment or a failing grade in this course.

Technical Requirements

- All **back-end** functionality **must** be implemented using only **Node.js** and **Express**, other frameworks/packages are not allowed for this assignment.
- You are **not allowed to use** any front-end CSS frameworks or JavaScript frameworks.

Objectives

Express web server set-up

Create an Express web server that listens to incoming HTTP requests <u>on port 8080</u>. The logic for your web server must be placed in a file called "server.js". The file must include the code snippet provided on Blackboard.

Remember to fill in your name, student ID, and the course code (including the section code) in the header. Failure to do so will result in a mark of zero.

Implement Route Handlers

Create <u>route handlers</u> that will direct users to specific pages when they navigate to the following routes. **Each route must be located at the URL specified.**

- The "home" page – "/"
- An "on the menu" page used to display the current week's meal kits – "/on-the-menu"
- A registration page used to sign up to the service – "/sign-up"
- A login page used to log in (after a user has signed up) – "log-in"

The "Home" Page

You are required to build a well-designed home page that consists of the following sections:

- **Navigation Bar/Header:**

  o The navigation bar **must** contain a logo for your website. The logo <u>must be an image file</u> implemented using an <img> tag. Make sure that clicking the logo links the user to the home page (/). *Don't forget, all <img> tags should include an "alt" attribute.*

  o The navigation bar **must** contain links that navigate visitors to the "on the menu" page, a sign-up page, and the login page. Users can navigate to the home page by clicking the logo (but you can add a "home" link as well).

- **A Hero:** This section **must** have a prominent image or video element that is placed at the top of your page, below the navigation bar. Any text will be coded with HTML and not "hard-coded" into the image or video file. This will make it easier to build a responsive website. Here is an example:

- **One or More Content Section(s):** These sections **must** use a combination of grids, words, headings, and images with the sole purpose of highlighting some selling features of the website, how it will work, and/or the services that it will provide. Here is an example:

- **Featured Meal Kits:** This section must display three (3) meal kits in a row. In this assignment, the data for this section will not be pulled from a database, instead it will be hardcoded in the HTML file. Each meal kit must display an image, title, what is included, and a price. Here is an example:

- **Footer:** This section must include menu items, social media links, and any other information you deem necessary. For the menu items, you can simply create a link for each page of your site. The social media links can link to the appropriate website but you don't need to create a profile/account on those services.

  The footer must also contain the entire copyright statement exactly as shown here:

  By submitting this assignment I declare that this assignment is my own work in accordance with the Seneca Academic Policy. No part of this assignment has been copied manually or electronically from any other source (including web sites) or distributed to other students.

  © StudentFirstName StudentLastName, StudentEmail@myseneca.ca, WEB322 Winter 2024

  Be sure to include your first and last name. For example, your professor would show the following copyright statement:

  © Nick Romanidis, nick.romanidis@senecacollege.ca, WEB322 Winter 2024

NAVIGATE			GET IN TOUCH
Home	Blog	Press	1(855) 515-5191
On The Menu	FAQ	Terms of Use	chef@makegoodfood.ca
Pricing	Our Ingredients	Purchase Terms &	FOLLOW US
Goodfood WOW	Our Commitment	Conditions	
Join our team!	Gift Cards	Investors	
Our Story			

"On the Menu", Registration, and Login Pages

You do not need to implement these pages for this assignment, but you must create and configure the appropriate routes. Simply, return a string with the page name using res.send(). Going forward, your site should never contain "dead" links or routes.

Reminder

All back-end functionality **must** be implemented using **Node.js** and **Express** and your pages **must** be created by using only vanilla HTML, CSS and JavaScript.

Rubric

| Criteria | Not Implemented (0)

Little or no work done. Unacceptable attempt. | Partially Implemented (1)

Work is minimally acceptable but is incomplete or needs significant modification. | Fully Implemented (2)

Work is complete and done perfectly. |
|---|---|---|---|
| Home page.

• Navigation bar contains a custom <u>logo image</u> that is clickable and navigates the user to the home page.

• Navigation bar contains links to the "on the menu", registration, and login pages.

• Hero section meets minimum requirements. Text is not "hard-coded".

• One or more content sections that meet the minimum requirements and properly use grids.

• Featured meal kits section that meets the minimum requirements and properly uses grids.

• Footer contains menu links, social media links, the academic policy disclaimer, and the copyright message. | | | |

Project initialization and Express web server configuration. • "npm init" was correctly run. All fields, including the author, description, and keywords, were provided, and entered correctly. • The file "server.js" was built from the code snippet provided on Blackboard. The header at the top has been filled in correctly. The bottom portion of the file is unaltered. • All routes have been set up with the correct URL. The on the menu, login, and registration routes return a string using res.send(). • A static folder has been correctly configured to deliver assets. The HTML for the home page is contained in an HTML file within the "views" folder and returned using res.sendFile().			
Home page look and feel. • Page is polished (for example, there are no broken links and all images display correctly). • Used pleasing typography, color palettes, and imagery.			

Examples of Deductions	No Deduction (0)	Partial Deduction (1)	Full Deduction (2)
A front-end CSS or JavaScript framework was used.	No	Exactly one	More than one
An unapproved NPM package was installed.	No	Exactly one	More than one
Running "npm install" or "node server" fails. Your entry point file is not named "server.js". Your server listens on a port other than 8080.			
"node_modules" folder is not deleted.		X	
Additional deductions may occur if the requirements outlined in this document are not followed precisely.			

Total: 24 Marks

Note: Half marks may be awarded.

Submitting your work

Make sure you submit your assignment <u>before the due date and time</u>. It will take a few minutes to package up your project so make sure you give yourself a bit of time to submit the assignment.

1. Locate the folder that holds your solution files. **You must delete the "node_modules" folder but do not delete any other files or folders**.

2. Compress the copied folder into a zip file. **You must use ZIP compression, <u>do not use 7z, RAR, or other compression algorithms or your assignment will not be marked</u>.**

3. Login to https://learn.senecapolytechnic.ca, open the **Web Programming Tools and Frameworks** course area, then click the **Project** link on the left-side navigator. Follow the link for this assignment.

4. Submit/upload your zip file. The page will accept <u>unlimited</u> submissions so you may re-upload the project if you need to make changes. Make sure you make all your changes before the due date. Only the latest submission will be marked.