WEB322 Assignment 1

# Assessment Weight:

5% of your final course Grade

# Objective:

This first assignment will get you set up with your environment, tooling, and deployment as well as introduce you to the development workflow used in this course (Visual Studio Code + Git + Vercel).

We will be publishing on a cloud hosting provider named Vercel, which will pull our code from GITHUB. Our webserver will be created using Node.js.

### Installing Software

To create a node web application and publish it online, you will need to download and install the following software:

* [Visual Studio Code](https://code.visualstudio.com/download)
* [Node.js](https://nodejs.org/en/download/)
* [Git](https://git-scm.com/downloads)

### The Setup

We will start by creating a new project in Node. This is discussed during the Web Server module of the course and can be reviewed here:  
  
 [Simple Web Server using Express.js](https://webprogrammingtoolsandframeworks.sdds.ca/Web-Server-Introduction/simple-web-server-using-expressjs) - Hint: “npm init” to get going.

The next step involves setting up a Vercel account, a GITHUB account, installing GIT and linking all of your code.  
  
**IMPORTANT:** The Vercel Guide contains details that we **DO NOT NEED** for AS1. Specifically, you can skip the following;

### Adding a "vercel.json" file

### Setting the "views" Application Setting

### Updating your "express.static()" Middleware

### Explicitly Requiring the "pg" Module

**IMPORTANT:** Do not name your folder “helloworld”. Name it “Web322\_Assignments”

[Vercel Guide](https://webprogrammingtoolsandframeworks.sdds.ca/Resources/vercel-guide)

### Customizing the server code (server.js)

Once you have completed the guide, you should have a simple "Hello World" app running on Cyclic through your GitHub, you must personalize the output:

* Instead of "Hello World" – change your app to output your full name and student number, ie "Harry Scanlan - 00000000". This would be located in the app.get route called “/”.
* Add a README.MD file (Markdown).
* If you make any changes to your server.js file after publishing to GitHub, you will have to:
  + Commit your changes to your local git repo. I strongly encourage you to use the command line to do this.

Add All Files:   
git add –A  
  
Commit to repo:  
git commit –am “Comment what you are committing”  
  
Push to GITHUB

git push

### Inviting a collaborator to your **private** GitHub repository

Once you have pushed your code from your local git to GitHub, you must also send an invite since the repository is private:

* Share this PRIVATE repository by going to your “web322\_assignment” repository in GitHub -> Settings -> Collaborators -> Add People -> Invite Collaborator.   
    
  You will need to find your Professor’s GITHUB account by asking them or check the assignment folder.

## Assignment Submission:

1. Add the Readme.MD file to your project that is on Blackboard and fill it in appropriately. Don’t forget to ADD, COMMIT and PUSH to github.
2. Compress (.zip) the files in your Visual Studio Code working directory (this is the folder that you opened in Visual Studio – it should contain at least, a **server.js** file and **package.json / package-lock.json** files with your ReadME.

## Important Note:

* Submitted assignments **must**run locally, ie: start up errors causing the assignment/app to fail on startup will result in a **grade of zero (0)** for the assignment.