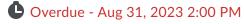


https://mylearning.suny.edu/d2l/le/content/1190002/Home?itemIdentifier=D2L.LE.Content.ContentObject.ModuleCO-31610665

Assignment



В"Н

Please create a word document with:

- A Picture of you
- A Paragraph about your computer experience. Include you undergrad major, any computer courses you've taken, any programs you've written, any projects you've collaborated on.
- A Paragraph about how you see yourself using what we learn in this course
- Optional the past couple years have been hard on all of us. Please let me know how I can support you and make things easier for you.

Please remember to also continue reading up and PRACTICING css.

## CSS Drop down menu

Assignment



Overdue - Sep 7, 2023 2:00 PM

В"Н

Recreate https://newpaltz-examples.onrender.com/static/css-menu/menu.html as closely as possible.

Remember, don't use bulma or any other framework. Don't use any Javascript. Use only CSS & HTML.

Keep the HTML & CSS in the same file. Rename the file to \*.txt before uploading here.

# Github Repos

Assignment



Overdue - Sep 11, 2023 2:00 PM

В"Н

## Create 2 Repos.

• One will house your work that you do in class while following along. This is the one that should include a readme about yourself. With your picture, and two paragraphs.

- What your computer experience has been so far. Include any interesting projects that you've worked on or interesting courses you've taken
- Where do you see yourself using what you learn in this course
- One to hold your final project. All of your assignments should be added to this Repo. Just keep it nice and organized.

Post links to both repos here in the Brightspace assignment

## Bulma Layout

Assignment



Overdue - Sep 14, 2023 2:00 PM

Please Duplicate the page at https://newpaltzexamples.onrender.com/static/bulma/todo.html

Being that it should just take you one html file. Please just upload it here in this assignment in brightspace.

Take this time to learn Bulma inside and out. Do not just try to create this file. Try everything. Play around

#### Link to Hosted Site

Assignment



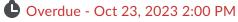
В"Н

Please post a link to your site hosted on render.com

The link should point directly to your bulma example file

#### Midterm

Assignment



The project is a fitness tracker app.

At this point it is only the client app. Which means that all data is stored in inmemory arrays. If a user were to refresh the page, all data would be lost.

It will be judged based on features, completeness, coding & pattern correctness, usability, and design. The design does not need to be anything fancy, but it does need to feel like a fully functional app.

Here are some features that the app must include.

- The ability for multiple users to log in. Each user must have their own experience.
  - Their own data displayed to them. Including their name, etc. and their own activities log.
  - Different users must have different access based on their roles.
- An admin area where users can be listed, added, edited, and deleted.
- An activity area where users can list, add, edit, delete activities.
- A friends area where users can see their friends activities, but not edit, or delete anything.
- Some kind of minimal statistics about their activity history.

See the Learning outcomes for Vue architecture for some of the things that I'll be look out for you to demonstrate.

Here's an example app that I created. This is just something to show you the scope of what I expect. You project can be totally different, as long as it has a comparable scope in features and completeness. https://midterm-example.onrender.com/

Post a comment here when you are done. Please post a link to your github and your render site. Please make note of which branch I should be checking. Include any other comments that you'd like me to know about your work.

**Final Project** 

Assignment



Overdue - Dec 7, 2023 11:59 PM

В"Н

The crux of the project is to create the server side code and communication code to support your midterm project. In other words, you are converting your exercise app from a frontend only app to a fullstack app.

Some things to keep in mind. Some things that I'm going to be looking for.

- Only have files in your project that support your functionality. Seeing my
  files that you copied to your project when they don't support your
  functionality tells me that you copied that code directly from my project
  without understanding what it does. The same thing goes for leaving my file
  names or my function or variable names when they don't match your
  functionality.
- You should have at least three controllers (depending on your functionality, those may change. One example would be Users, Exercise Types, Activity) with matching models for each one.
- All of your important data should be stored in the database. All data stored in the database should have functions in the model and controller to create, read, update, and delete.
- There should be a few functions in the models and/or controllers that add some functionality specific to your functionality. Something that wasn't in my code.
- All database access should go through centralized functions. There should be a clear separation of concerns. putting the correct code in the controller, the correct code in the model, and the correct code in the database module.
- There should be clear cond comprehensive access rules for Authorization implemented at the server.
- All user specific data written to the database should have it's ownership coming from the user object verified with JWT. User tailored data (their own activity, activity of the friends) should also be determined by the user object created from a verified JWT.
- All communication of from the client to the server should be centralized so that we have one place to add error handling, UI feedback to the user, authorization, etc.
- proper use of Model/view/controller on the client side.

- All important data should be stored on the server (primarily the DB), not in the client code.
- Demonstrate proper use of .env files, and environment variable in a hosted environment.
- There should be sufficient UI to create, read, update, and delete a few different types of data (users, activity, etc.)
- Your project must work in render.

Please post a link to your project in github as well as a link to your app in render.

In-Class Final

Assignment

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Overdue - Dec 21, 2023 2:30 PM

В"Н

# Implement an autocomplete textbox (aka typeahead) that dynamically gets its information from your server.

I recommend using Oruga https://oruga.io/components/Autocomplete.html which is made specifically for Vue and Bulma.

However if you want, you may use any libraries / controls / components you want. Other nice ones are https://sagalbot.github.io/vue-select/ or https://www.npmjs.com/package/vue3-simple-typeahead but you can use whichever one you want

Two nice General purpose component libraries for Vue 3 are https://primevue.org/and Getting Started - Ant Design Vue (antdv.com) . They both have Auto Complete components.

Or build one from scratch. (make sure it's feature complete and looks like a typeahead)

Your code <u>must assume that there is too much data</u> in your database to download all at once. Therefore, you must <u>only download to the browser</u> the data that is <u>absolutely necessary to display the current options</u> and no more.

As the user types in additional characters, you **must** send new requests to your webserver and download new suggestions.

Use the AutoComplete to allow users to tag friends while submitting a post (workout, meal, etc.)

Post a link to your github here.

Write a paragraph or two here. To tell me what you implemented.

Once you're done. You can leave.

Remember. You **are allowed** to browse the web and are encouraged to search for solutions online. However you are **not** allowed to ask for help from a human. You can search stackoverflow.com and such sites if you wish, but you can not post questions there. Chat programs like discord are off limits!

New for this year - You **can** ask AI for help. So, chat away with CoPilot, ChatGPT.

Good luck! You have everything that you need to succeed.