Course: IT202-008-S2025
Assignment: IT202 Module 3 HTML, CSS, JS Challenges
Student: Gori H. (gs658)
Status: Submitted | Worksheet Progress: 111.11%
Potential Grade: 11.00/10.00 (110.00%)
Received Grade: 0.00/10.00 (0.00%)
Grading Link: https://learn.ethereallab.app/assignment/v3/IT202-008-S2025/it202-module-3-html-css-js-challenges/grading/gs658

Instructions

1. Ensure you read all instructions and objectives before starting.
2. Create a new branch from `dev` called `M3-Homework`
    1. `git checkout dev` (ensure proper starting branch)
    2. `git pull origin dev` (ensure history is up to date)
    3. `git checkout -b M3-Homework` (create and switch to branch)
3. Copy the template code from here: GitHub Repository - M3 Homework
    - It includes Challenges 1-3 and `styles.css`. Put all into an `M3` folder or similar inside your `public_html`
    - Immediately record to history
        - `git add public_html`
        - `git commit -m "adding M3 HW baseline files"`
        - `git push origin M3-Homework`
        - Create a Pull Request from `M3-Homework` to `dev` and keep it open
4. Fill out the below worksheet
    - Each Problem requires the following as you work
        - Ensure there's a comment with your UCID, date, and brief summary of how the problem was solved
        - Update ucid in header tag
        - Code solution (add/commit periodically as needed) (style and/or script tags)
5. Once finished, click "Submit and Export"
6. Locally add the generated PDF to a folder of your choosing inside your repository folder and move it to Github
    1. `git add .`
    2. `git commit -m "adding PDF"`
    3. `git push origin M3-Homework`
    4. On Github merge the pull request from `M3-Homework` to `dev`
    5. On Github create a pull request from `dev` to `prod` and immediately merge. (This will trigger the `prod` deploy to make the heroku prod links work)
7. Upload the same PDF to Canvas
8. Sync Local
    1. `git checkout dev`
    2. `git pull origin dev`

Section #1: (3 pts.) Challenge 1 - Fixed Header, Content, Footer

Task #1 (3 pts.) - Edit the `style` and `script` tags to solve the challe

Combo Task:

Weight: *100%*
Objective: *Edit the `style` and `script` tags to solve the challenge requirements*

Details:

- Only make edits where noted via provided comments
- Update your ucid in the header tag
- Challenge 1: The header and footer should remain FIXED in place (top and bottom of page respectively)
- Challenge 2: The content area should SCROLL independently (nothing should be pushed off screen)
- Challenge 3: The entire page should always take up the full viewport height
- Add code to solve the problem (add/commit as needed)

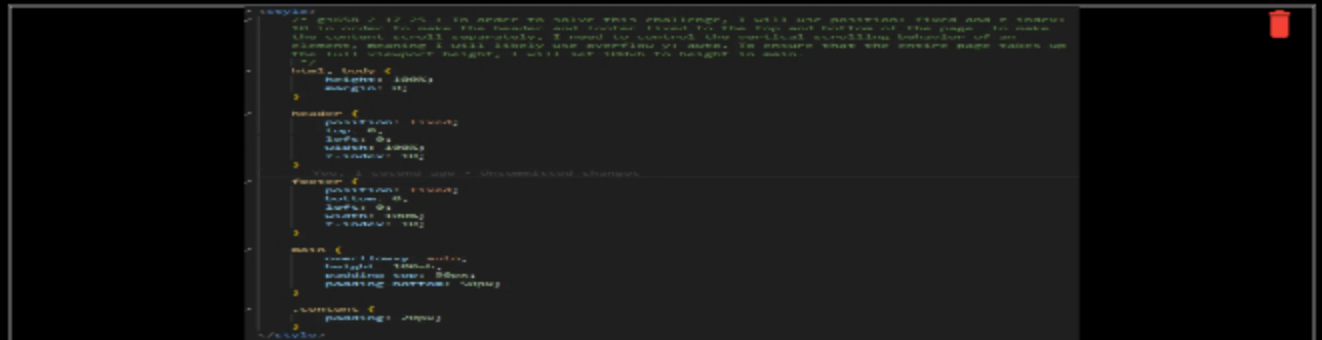
Item:#1

Weight: *40%*

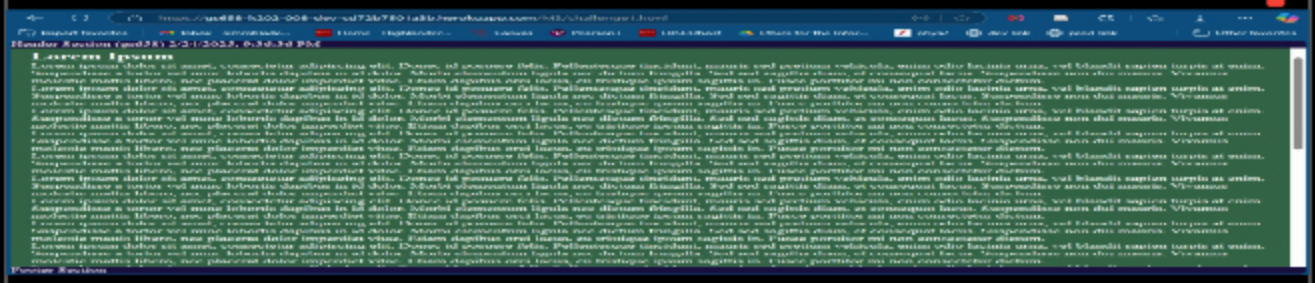
Details:
Two screenshots are expected

1. Snippet of relevant code showing solution (with ucid/date comment)
2. Full output of executing the program (visit the proper file on Heroku dev after a manual deploy)
    1. Ensure url is visible in the browser's address bar

Image Prompt



code/comments for challenge1



showing heroku output

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Item:#2

Weight: *20%*

Details:

- Direct link to the file in the homework related branch from Github (should end in `.html`)
- Direct link to the file on Heroku Prod (Just grab the base prod url and manually enter the path to the file)

Url Prompt

URL #1
https://gs658-it202-008-prod-96409305ed03.herokuapp.com/M3/challenge1.html

Url
https://gs658-it202-008-prod-9640

URL #2
https://github.com/goribanu/gs658-IT202-008-M3-Homework/public_html/M3/challenge1.html

Url
https://github.com/goribanu/gs658

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Item:#3

Weight: *40%*

Details:

Briefly explain `how` the code solves the challenge(s) (note: this isn't the same as `what` the code does)

Text Prompt

Your Response:

The code solves the challenges by fixing the header and footer and adjusting the content's height and overflow properties, using properties like position:fixed to fix the header and footer in place, and z-index:10 to ensure they stay at the top and bottom of the page through the use of z-index:10.

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Section #2: (3 pts.) Challenge 2 - Header, Content, And Sidebars

Task #1 (3 pts.) - Edit the `style` and `script` tags to solve the challe

Combo Task:

Weight: *100%*
Objective: *Edit the `style` and `script` tags to solve the challenge requirements*

Details:

- Only make edits where noted via provided comments
- Update your ucid in the header tag
- Using CSS, adjust the layout per the following
  - Challenge 1: Header is at the top
  - Challenge 2: Content takes up the rest of the height
  - Challenge 3: Both sidebars docked to the respective side and take up 15% width; Content area should utilize the remaining width
- Using JavaScript complete the following
  - Challenge 4: Attach the appropriate event listener to the buttons
  - Challenge 5: Individual toggle the respective panel between collapsed and uncollapsed (Don't lose the button in the process)
  - Challenge 6: The content should adjust based on the status of the respective sidebars (i.e., take up more left, right, or both space)
- Add code to solve the problem (add/commit as needed)

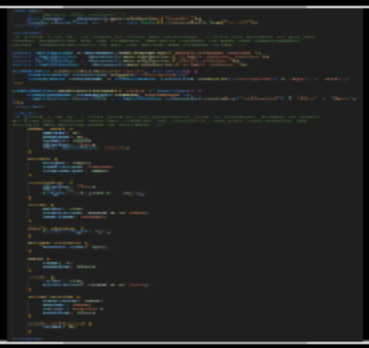
Item:#1

Weight: *40%*

Details:
Two screenshots are expected

1. Snippet of relevant code showing solution (with ucid/date comment)
2. Full output of executing the program (visit the proper file on Heroku dev after a manual deploy)
    1. Ensure url is visible in the browser's address bar

Image Prompt



code/comments for challenge2.html

showing heroku output

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Item:#2

Weight: *20%*

Details:

- Direct link to the file in the homework related branch from Github (should end in `.html`)
- Direct link to the file on Heroku Prod (Just grab the base prod url and manually enter the path to the file)

Url Prompt

URL #1
https://gs658-it202-008-prod-96409305ed03.herokuapp.com/M3/challenge2.html

URL
https://gs658-it202-008-prod-9640

URL #2
https://github.com/goribanu/gs658-IT202-008-M3-Homework/public_html/M3/challenge2.html

URL
https://github.com/goribanu/gs658

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Item:#3

Weight: *40%*

Details:
Briefly explain `how` the code solves the challenge(s) (note: this isn't the same as `what` the code does)

Text Prompt

Your Response:

The code solves the challenge by setting up a layout with the requirements and sidebars that are able to collapse and expand. I used JS to make sure the sidebars toggle properly when the user clicks them, while the content area adjusts to fill the remaining space. The buttons also stay visible on the site.

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Section #3: (3 pts.) Challenge 3 - Carousel Layout With Swiping

Task #1 (3 pts.) - Edit the `style` and `script` tags to solve the challe

Combo Task:

Weight: *100%*
Objective: *Edit the `style` and `script` tags to solve the challenge requirements*

Details:

- Only make edits where noted via provided comments
- Update your ucid in the header tag
- Using CSS, adjust the layout per the following
    - Challenge 1: Header is at the top
    - Challenge 2: Carousel should take up full width
    - Challenge 3: Buttons should be centered
- Using JavaScript complete the following
    - Challenge 4: Attach appropriate event listeners to each button
    - Challenge 5: Cycle through each panel showing only 1 at a time
    - Challenge 6: Ensure that the panels loop when reaching the last or first one
- Add code to solve the problem (add/commit as needed))

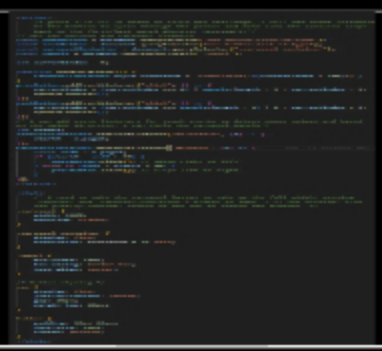
Item:#1

Weight: *40%*

Details:
Two screenshots are expected

1. Snippet of relevant code showing solution (with ucid/date comment)
2. Full output of executing the program (visit the proper file on Heroku dev after a manual deploy)
    1. Ensure url is visible in the browser's address bar

Image Prompt



code/comments for challenge3.html

showing heroku output

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Item:#2

Weight: *20%*

Details:

- Direct link to the file in the homework related branch from Github (should end in `.html`)
- Direct link to the file on Heroku Prod (Just grab the base prod url and manually enter the path to the file)

Url Prompt

URL #1
https://gs658-it202-008-prod-96409305ed03.herokuapp.com/M3/challenge3.html

Url
https://gs658-it202-008-prod-9640

URL #2
https://github.com/goribanu/gs658-IT202-008-M3-Homework/public_html/M3/challenge3.html

Url
https://github.com/goribanu/gs658

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Item:#3

Weight: *40%*

Details:
Briefly explain `how` the code solves the challenge(s) (note: this isn't the same as `what` the code does)

Text Prompt

Your Response:

The code solves the challenge by using CSS to style and format the carousel layout and ensure the header is at the top and the carousel takes up the full width, and centering the buttons. JS is used to control the cycling (loops) between the buttons and navigating through all the panels smoothly.

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Task #2 (+ 0.98 pts.) - Extra Credit - Challenge 7

Combo Task:

Weight: *32.5%*
Objective: *Extra Credit - Challenge 7*

Item:#1

Weight: *50%*

Details:

1. Snippet of relevant code showing solution (with ucid/date comment)

Image Prompt

```
/* I can add event listeners for touch events to detect mouse swipes and based
on the swipe direction, I can cycle the carousel panels*/
let startX;
carouselContainer.addEventListener("mousedown", (e) => {
    startX = e.pageX;
});
carouselContainer.addEventListener("mouseup", (e) => {
    const endX = e.pageX;
    if (startX - endX > 50) {
        nextButton.click(); // Swipe right to left
    } else if (endX - startX > 50) {
        prevButton.click(); // Swipe left to right
    }
});
</script>
```

code/comments for extracredit

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Item:#3

Weight: *50%*

Details:
Briefly explain `how` the code solves the challenge(s) (note: this isn't the same as `what` the code does)

Text Prompt

Your Response:

The code solves the challenges by the use of event listeners, which will track the direction of the mouse swipes, and based on whether the user swipes left or right, it will trigger the same functionality as the buttons do to cycle through the carousel panels, meaning you could do it either way.

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Section #4: (1 pt.) Misc

Task #1 (0.33 pts.) - Github Details

Combo Task:

Weight: *33.33%*
Objective: *Github Details*

Item:#1

Weight: *60%*

Details:
From the Commits tab of the Pull Request screenshot the commit history

Image Prompt

showing the proper commit history (baselines & solutions)

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Item:#2

Weight: *40%*

Details:
Include the link to the Pull Request (should end in `/pull/#`)

Url Prompt

URL #1
https://github.com/goribanu/gs658-IT202-008/

Url
https://github.com/goribanu/gs658

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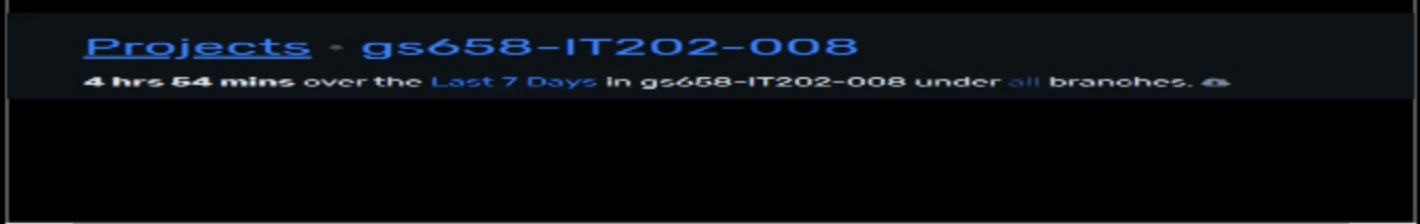
Task #2 (0.00 / 0.33 pts.) - WakaTime - Activity

Weight: *33.33%*
Objective: *WakaTime - Activity*

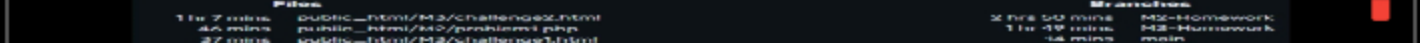
Details:

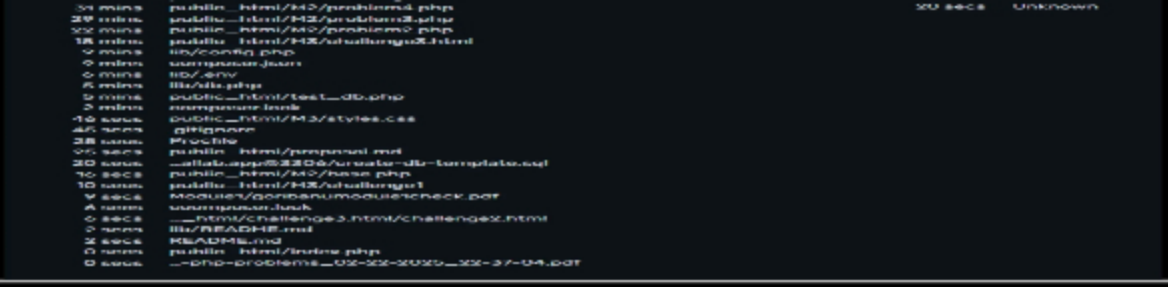
- Visit the WakaTime.com Dashboard
- Click `Projects` and find your repository
- Capture the overall time at the top that includes the repository name
- Capture the individual time at the bottom that includes the file time
- Note: The duration isn't relevant for the grade and the visual graphs aren't necessary

Image Prompt



wakatime overall





time spent individually

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Task #3 (0.00 / 0.33 pts.) - Reflection

Sub-Tasks:

Task #1 (0.00 / 0.33 pts.) - What did you learn?

Weight: *33.33%*
Objective: *What did you learn?*

Details:
Briefly answer the question (at least a few decent sentences)

Text Prompt

Your Response:

Overall, learning HTML, CSS, and JS allowed me to figure out the structure and layout of websites and how to format certain things correctly. I learned things like how to make content scrollable while not scrolling the actual web browser, and how to make things register the mouse clicks and swipe left, just like how buttons work.

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Task #2 (0.00 / 0.33 pts.) - What was the easiest part of the a

Weight: *33.33%*
Objective: *What was the easiest part of the assignment?*

Details:
Briefly answer the question (at least a few decent sentences)

Text Prompt

Your Response:

The easiest part of the assignment was the pull requests and actually transferring everything this time, as everything worked for me now that I actually know how to work things, nothing crashed this time, so the whole process was so much smoother for me than last time.

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Task #3 (0.00 / 0.33 pts.) - What was the hardest part of the a

Weight: *33.33%*
Objective: *What was the hardest part of the assignment?*

Details:
Briefly answer the question (at least a few decent sentences)

Text Prompt

Your Response:

The hardest part of the assignment in my opinion was figuring out how to not lose the button when collapsing and trying to uncollapse. I lost it and couldn't figure out how to retrieve it back in order to uncollapse it, and took an insane amount of time trying to figure out how to do so and just gave up :(

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