Course: IT202-008-S2025
Assignment: IT202 Module 3 HTML, CSS, JS Challenges
Student: Dylan W. (dw347)
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/dw347

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)

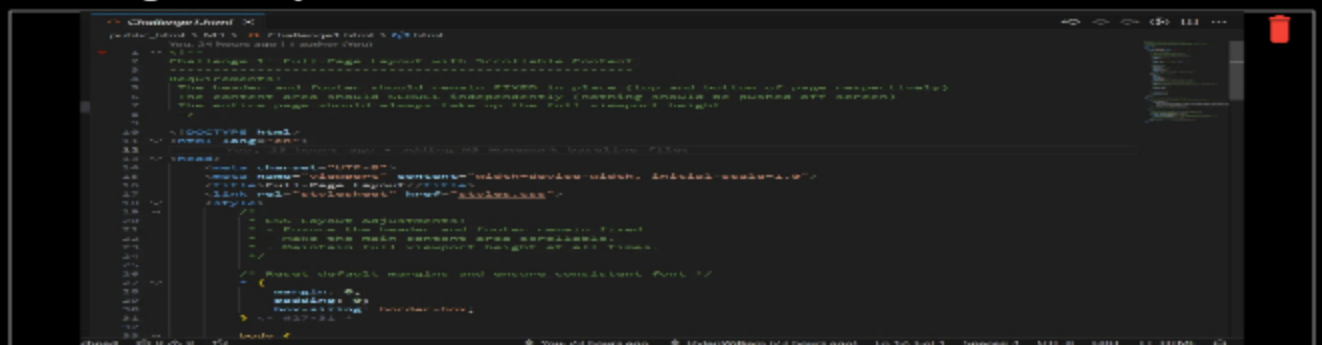
Item:#1

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



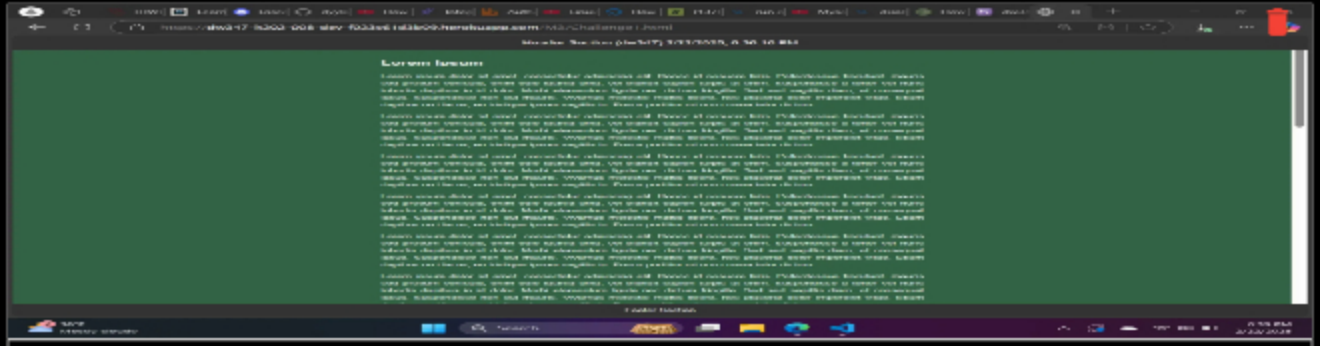
screenshot

screenshot

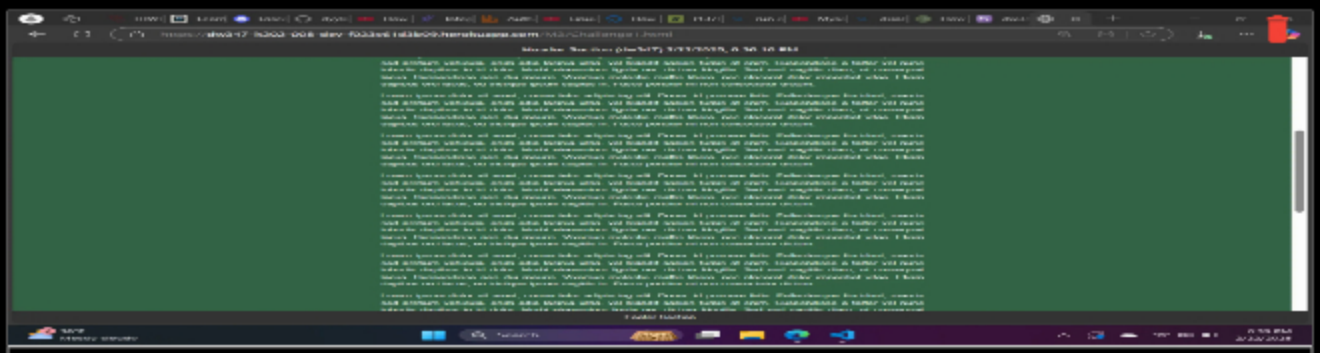
screenshot

screenshot

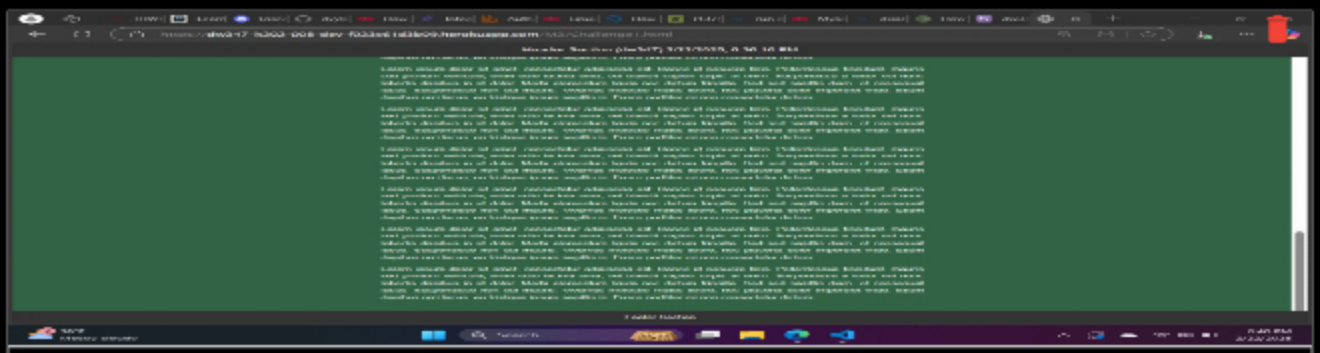
screenshot



heroku dev output



heroku dev output



heroku dev 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://github.com/dyylan2018/dw347-IT202-008-M3-Homework/public_html/M3/Challenge1.html

URL
https://github.com/dyylan2018/dw

URL #2
https://dw347-it202-008-prod-39957dda50b0.herokuapp.com/M3/Challenge1.html

URL
https://dw347-it202-008-prod-3995

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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 header and foot elements are placed outside the main tag and the main tag has all the scrollable content. In the body, flex is used to stack the header, main, and footer.

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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:

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

screenshot

screenshot

screenshot

screenshot

screenshot

screenshot

screenshot

screenshot

heroku dev 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://github.com/dyylan2018/dw347-IT202-008-M3-Homework/public_html/M3/Challenge2.html

URL
https://github.com/dyylan2018/dw

URL #2
https://dw347-it202-008-prod-39957dda50b0.herokuapp.com/M3/Challenge2.html

URL
https://dw347-it202-008-prod-3995

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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:

I used aside for the sidebars and .container for the remaining veiwport height. I used event listeners like the collapsed class that reduces the sidebars or it expands them with the button.

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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

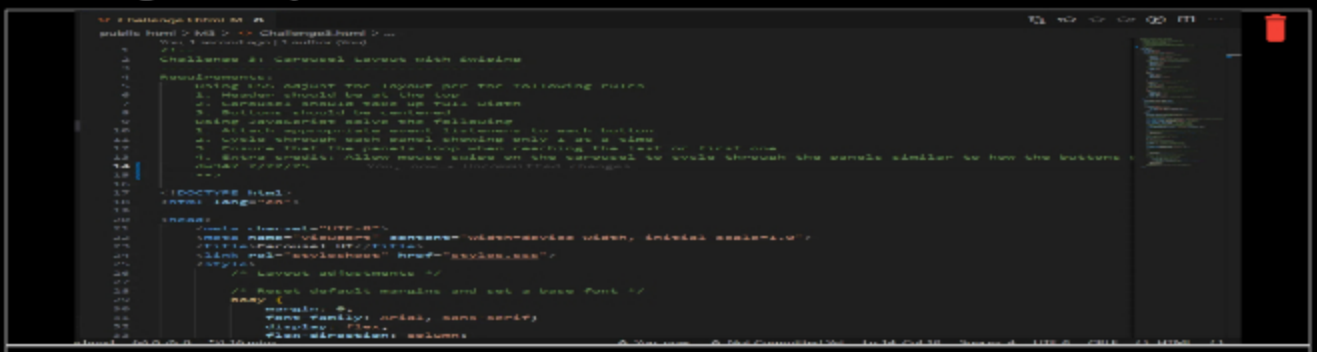
Weight: *40%*

Details:

Two screenshots are expected

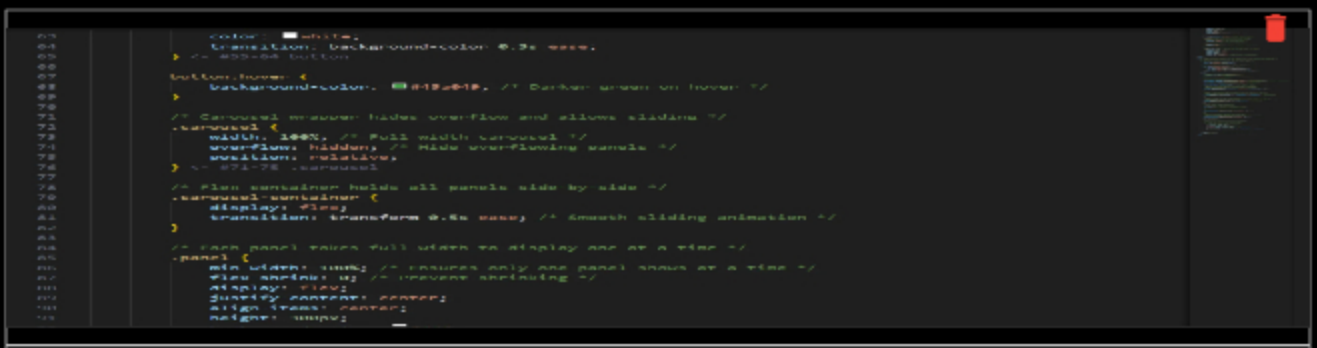
1. Snippet of relevant code showing solution (with ucid/date comment)
2. Full output of executing the program (visit the proper file on Heroku dev after a manual deploy)
   1. Ensure url is visible in the browser's address bar

Image Prompt



screenshot

screenshot



screenshot

screenshot

screenshot

screenshot

screenshot

Panel 1: HTML Forms

heroku dev output

Header Section (dw347) 2/22/2025, 7:19:44 PM

Panel 2: CSS Grid

heroku dev output

Header Section (dw347) 2/22/2025, 7:19:44 PM

Panel 3: JavaScript Events

heroku dev output

Header Section (dw347) 2/22/2025, 7:19:44 PM

Panel 4: Responsive Design

heroku dev output

Header Section (dw347) 2/22/2025, 7:19:44 PM

Panel 5: Accessibility Best Practices

heroku dev 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://github.com/dyylan2018/dw347-IT202-008/M3-Homework/public_html/M3/Challenge3.html

URL
https://github.com/dyylan2018/dw:

URL #2
https://dw347-it202-008-prod-39957dda50b0.herokuapp.com/M3/Challenge3.html

URL
https://dw347-it202-008-prod-3995

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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:

I used event listeners for the buttons. I used .carousel-container and transform for the moving panel. I used currentIndex for a loop with the carousel. currentIndex also tracks the current panel its on

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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

screenshot code

screenshot code

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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:

I used touchStart to capture the initial tocuh with startX. the final posiiton is captured with endX and handleSwipe determines the direction. to swipe left startX - endX > 50 is initiated. to swipe right endX - startX > 50 is initiated. swipes also correspond with updateCarousel.

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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

github

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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/dyylan2018/dw347-IT202-008/1

URL
https://github.com/dyylan2018/dw:

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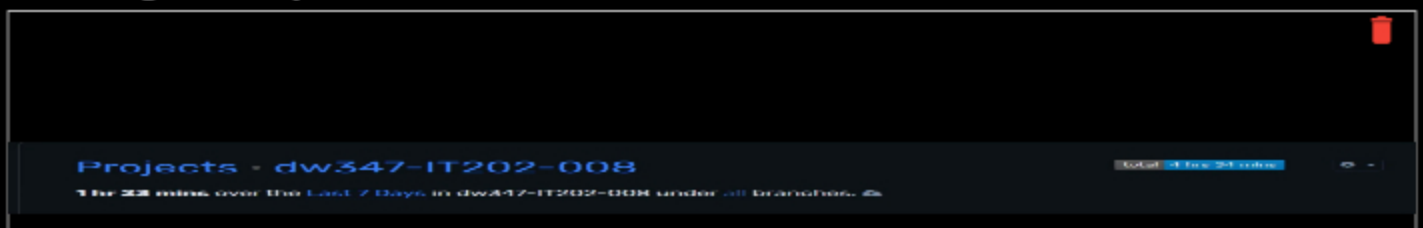
Task #2 (0.00 / 0.33 pts.) - WakaTime - Activity

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



overall

Files	
34 mins	M3/Challenge3.html
27 mins	M3/Challenge2.html
16 mins	M3/Challenge1.html
3 mins	index.php
1 min	M3/styles.css

Branches	
1 hr 19 mins	M3-Homework
3 mins	dev
0 mins	M2-Homework

individual time

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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:

This assignment expanded my knowledge on css, html, and javascript. I learned how to center a dev, add touch screen to a website, use touchstart, different elements, and more. I learned event listeners and how to implement loops for panels.

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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 HW was the header and footer staying put within their respective places. having the footer and header stay put while you scroll through the page or expand the sidebars was the easiest part for me.

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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 was the carousel and the touchstart. for me the touchstart was harder but both was pretty difficult. I figured it out after a while but the touchstart was pretty tough. the carousel was hard to becuase i didn't know how to get it to s=o to the next one but in the end i got it.

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