Submission Worksheet

CLICK TO GRADE

https://learn.ethereallab.app/assignment/IT202-007-F2024/it202-module-3-js-and-css-challenge/grade/db624

Course: IT202-007-F2024
Assigment: [IT202] Module 3 JS and CSS Challenge
Student: Datha V. (db624)

Submissions:

Submission Selection

1 Submission [submitted] 10/1/2024 4:51:48 PM

Instructions

COLLAPSE

Overview Video: https://youtu.be/Xlr017S2CFw

- Reminder: Make sure you start in dev and it's up to date
    1. `git checkout dev`
    2. `git pull origin dev`
    3. `git checkout -b M3-Challenge-HW`

1. Create a copy of the template given here: https://gist.github.com/MattToegel/77e4b66e3c73c074ea215562ebce717c
2. Implement the changes defined in the body of the code
3. Hint: You may want to use your browser's developer tools to see the script that's pulled in, this may help with a few challenges
4. **Do not** edit anything where the comments tell you not to edit, you will lose points for not following directions
5. Make changes where the comments tell you (via TODO's or just above the lines that tell you not to edit below)
    1. **Hint**: Just change things in the designated `<style>` and `<script>` tags
    2. **Important**: The function that drives one of the challenges is `updateCurrentPage(str)` which takes 1 parameter, a string of the word to display as the current page. This function is not included in the code of the page, along with a few other things, are linked via an external js file. Make sure you do not delete this line.
6. Create a branch called M3-Challenge-HW if you haven't yet

7. Add this template to that branch (`git add`/`git commit`)
8. Make a pull request for this branch once you push it
9. You may manually deploy the HW branch to dev to get the evidence for the below prompts
10. Once done, generate the output/submission file
11. Add, commit, and push the submission file
12. Close the pull request by merging it to dev (double-check all looks good on dev)
13. Manually create a new pull request from dev to prod (i.e., base: prod <- compare: dev)
14. Complete the merge to deploy to production
15. Upload the same submission file to Canvas
16. Checkout dev and pull latest changes to prepare for future work

Branch name: M3-Challenge-HW

Group

100%

Group: Challenges
Tasks: 2
Points: 8

^ COLLAPSE ^

Task

100%

Group: Challenges
Task #1: Evidence of working JS
Weight: ~50%
Points: ~4.00

^ COLLAPSE ^

Details:
For each screenshot, the h1 tag and the title (tab) should have the same content shown at the end of the URL.

Screenshots should be from Heroku dev

Columns: 1

Sub-Task

100%

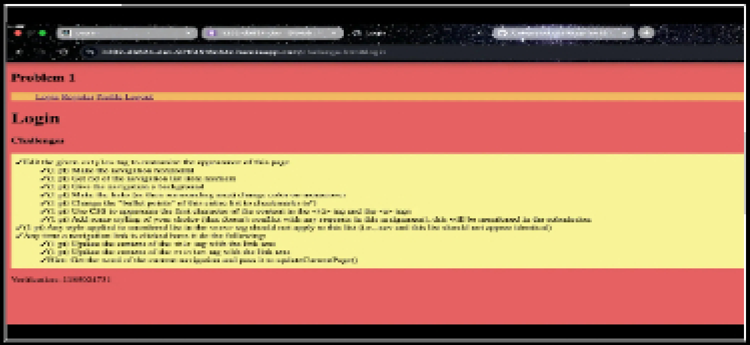
Group: Challenges
Task #1: Evidence of working JS
Sub Task #1: A screenshot showing the page after the login link is clicked with URL shown

Sub Task #1: A screenshot showing the page after the login link is clicked with URL shown

Task Screenshots

Gallery Style: 2 Columns

4 2 1



Problem 1

Login Register Profile Logout

Login

Challenges

- ✓Edit the given <style> tag to customize the appearance of this page
  - ✓(1 pt) Make the navigation horizontal
  - ✓(1 pt) Get rid of the navigation list item markers
  - ✓(1 pt) Give the navigation a background
  - ✓(1 pt) Make the links (or their surrounding area) change color on mouseover
  - ✓(1 pt) Change the "bullet points" of this entire list to checkmarks (✓)
  - ✓(1 pt) Use CSS to uppercase the first character of the content in the <h1> tag and the <a> tags
  - ✓(1 pt) Add some styling of your choice (that doesn't conflict with any requests in this assignment), this will be mentioned in the submission
- ✓(1 pt) Any style applied to unordered list in the <nav> tag should not apply to this list (i.e., nav and this list should not appear identical)
- ✓Any time a navigation link is clicked have JS do the following
  - ✓(1 pt) Update the content of the <title> tag with the link text
  - ✓(1 pt) Update the content of the <h1> tag with the link text
  - ✓Hint: Get the word of the current navigation and pass it to updateCurrentPage()

Verification: 1269024731

Screenshot of webpage after login link is clicked

Caption(s) (required) ✓

Caption Hint: *Describe/highlight what's being shown*

Sub-Task

100%

Group: Challenges

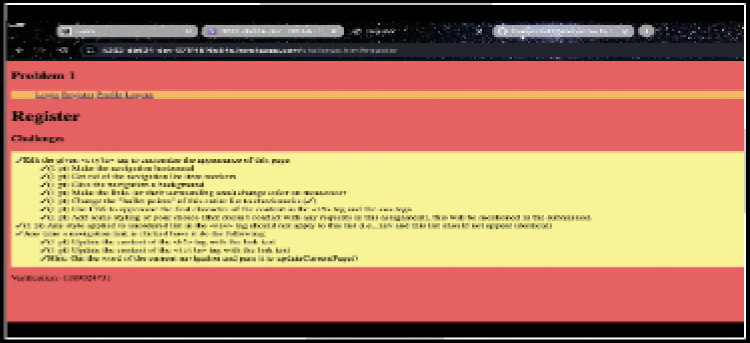
Task #1: Evidence of working JS

Sub Task #2: A screenshot showing the page after the register link is clicked with URL shown

Task Screenshots

Gallery Style: 2 Columns

4 2 1



Problem 1

Login Register Profile Logout

Register

Challenges

- ✓Edit the given <style> tag to customize the appearance of this page
  - ✓(1 pt) Make the navigation horizontal
  - ✓(1 pt) Get rid of the navigation list item markers
  - ✓(1 pt) Give the navigation a background
  - ✓(1 pt) Make the links (or their surrounding area) change color on mouseover
  - ✓(1 pt) Change the "bullet points" of this entire list to checkmarks (✓)
  - ✓(1 pt) Use CSS to uppercase the first character of the content in the <h1> tag and the <a> tags
  - ✓(1 pt) Add some styling of your choice (that doesn't conflict with any requests in this assignment), this will be mentioned in the submission
- ✓(1 pt) Any style applied to unordered list in the <nav> tag should not apply to this list (i.e., nav and this list should not appear identical)
- ✓Any time a navigation link is clicked have JS do the following
  - ✓(1 pt) Update the content of the <title> tag with the link text
  - ✓(1 pt) Update the content of the <h1> tag with the link text
  - ✓Hint: Get the word of the current navigation and pass it to updateCurrentPage()

Verification: 1269024731

Screenshot of webpage after register link is clicked

Caption(s) (required) ✓

Caption Hint: *Describe/highlight what's being shown*

Sub-Task

100%

Group: Challenges

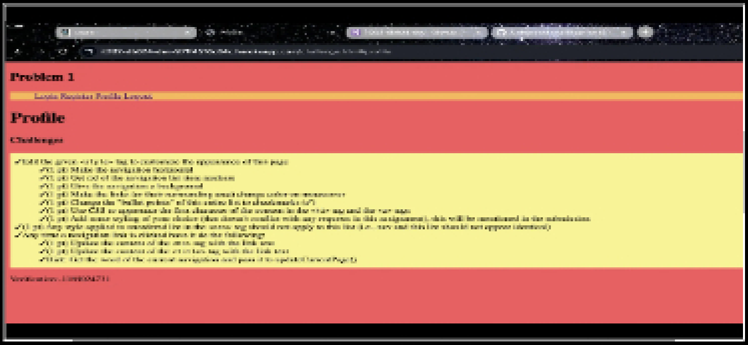
Task #1: Evidence of working JS

Sub Task #3: A screenshot showing the page after the profile link is clicked with URL shown

Task Screenshots

Gallery Style: 2 Columns

4 2 1



Problem 1

Login Register Profile Logout

Profile

Challenges

- ✓Edit the given <style> tag to customize the appearance of this page
  - ✓(1 pt) Make the navigation horizontal
  - ✓(1 pt) Get rid of the navigation list item markers
  - ✓(1 pt) Give the navigation a background
  - ✓(1 pt) Make the links (or their surrounding area) change color on mouseover
  - ✓(1 pt) Change the "bullet points" of this entire list to checkmarks (✓)
  - ✓(1 pt) Use CSS to uppercase the first character of the content in the <h1> tag and the <a> tags
  - ✓(1 pt) Add some styling of your choice (that doesn't conflict with any requests in this assignment), this will be mentioned in the submission
- ✓(1 pt) Any style applied to unordered list in the <nav> tag should not apply to this list (i.e., nav and this list should not appear identical)
- ✓Any time a navigation link is clicked have it do the following:
  - ✓(1 pt) Update the content of the <h1> tag with the link text
  - ✓(1 pt) Update the content of the <title> tag with the link text
  - ✓Hint: Get the word of the current navigation and pass it to updateCurrentPage()

Verification: [illegible]

Screenshot of webpage after profile link was clicked

Caption(s) (required) ✓

Caption Hint: *Describe/highlight what's being shown*

Sub-Task

100%

Group: Challenges

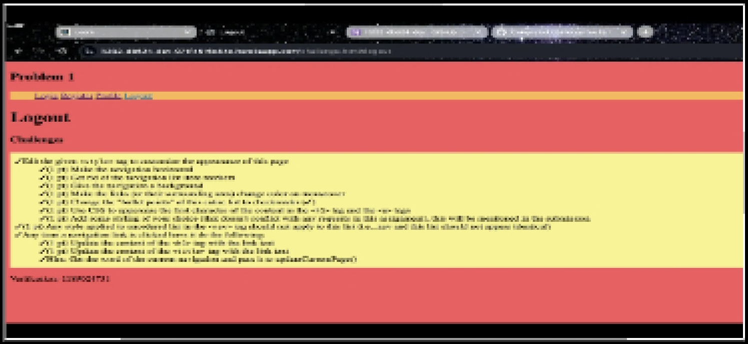
Task #1: Evidence of working JS

Sub Task #4: A screenshot showing the page after the logout link is clicked with URL shown

Task Screenshots

Gallery Style: 2 Columns

4 2 1



Problem 1

Login Register Profile Logout

Logout

Challenges

- ✓Edit the given <style> tag to customize the appearance of this page
  - ✓(1 pt) Make the navigation horizontal
  - ✓(1 pt) Get rid of the navigation list item markers
  - ✓(1 pt) Give the navigation a background
  - ✓(1 pt) Make the links (or their surrounding area) change color on mouseover
  - ✓(1 pt) Change the "bullet points" of this entire list to checkmarks (✓)
  - ✓(1 pt) Use CSS to uppercase the first character of the content in the <h1> tag and the <a> tags
  - ✓(1 pt) Add some styling of your choice (that doesn't conflict with any requests in this assignment), this will be mentioned in the submission
- ✓(1 pt) Any style applied to unordered list in the <nav> tag should not apply to this list (i.e., nav and this list should not appear identical)
- ✓Any time a navigation link is clicked have it do the following:
  - ✓(1 pt) Update the content of the <h1> tag with the link text
  - ✓(1 pt) Update the content of the <title> tag with the link text
  - ✓Hint: Get the word of the current navigation and pass it to updateCurrentPage()

Verification: [illegible]

Screenshot of webpage after logout link is clicked

Caption(s) (required) ✓

Caption Hint: *Describe/highlight what's being shown*

End of Task 1

Task

100%

Group: Challenges

Task #2: Completed Challenges

Weight: ~50%

Points: ~4.00

COLLAPSE

Details:

Screenshots should be from Heroku dev.

Code screenshots must have ucid/date comments.

Explanations clearly describe solution and why it works (explain the code, don't use the code as an

Columns: 1

Sub-Task

100%

Group: Challenges

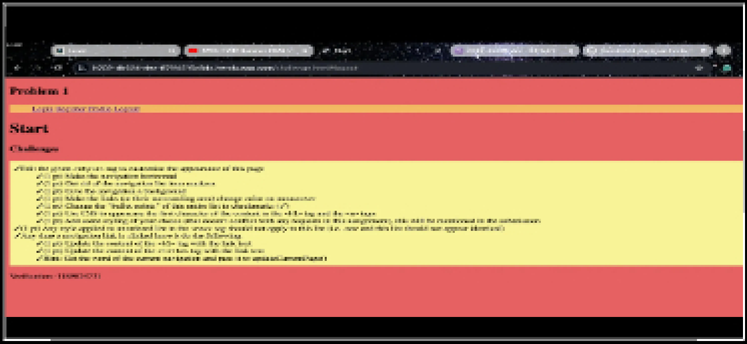
Task #2: Completed Challenges

Sub Task #1: Screenshot of full page showing all challenges complete and verification code

Task Screenshots

Gallery Style: 2 Columns

4 2 1



Problem 1

Login Register Profile Logout

Start

Challenges

[illegible]

Screenshot of full visible page from heroku dev

Caption(s) (required) ✓

Caption Hint: *Describe/highlight what's being shown*

Sub-Task

100%

Group: Challenges

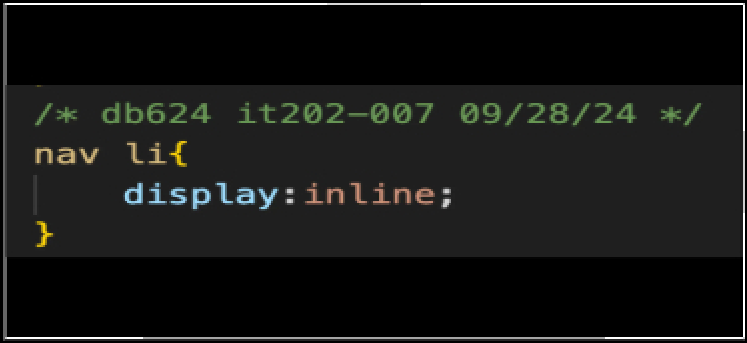
Task #2: Completed Challenges

Sub Task #2: Horizontal Navigation Code

Task Screenshots

Gallery Style: 2 Columns

4 2 1



```
/* db624 it202-007 09/28/24 */
nav li{
    display:inline;
}
```

Screenshot of horizontal navigation code

Caption(s) (required) ✓

Caption Hint: *Describe/highlight what's being shown*

Task Response Prompt

Explain how the solution code makes the navigation horizontal

Response:

Using the descendant combinator, I picked all li elements that are children of a nav element and set their display property to inline so that they all display in one line.

Sub-Task

100%

Group: Challenges

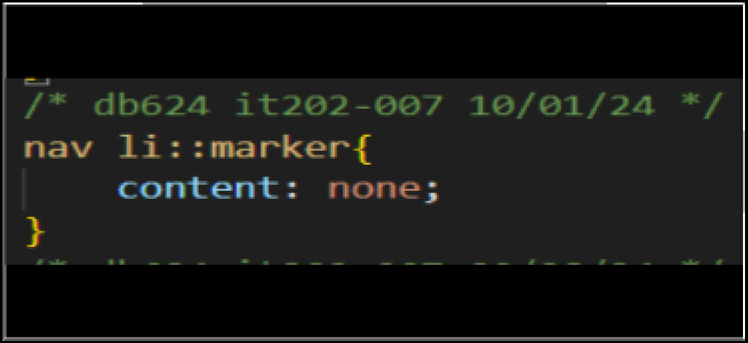
Task #2: Completed Challenges

Sub Task #3: Navigation without markers Code

Task Screenshots

Gallery Style: 2 Columns

4 2 1



```
/* db624 it202-007 10/01/24 */
nav li::marker{
    content: none;
}
```

Screenshot of code for navigation without markers

Caption(s) (required) ✓

Caption Hint: *Describe/highlight what's being shown*

Task Response Prompt

Explain how the solution code removes the markers from the nav items

Response:

I used a descendant combinator to select all the li elements that are a child of nav. From here, I accessed the marker attribute of nav. I modified the content property here to get rid of the markers. By setting the content to a value of none, I'm effectively removing the markers.

Sub-Task

100%

Group: Challenges

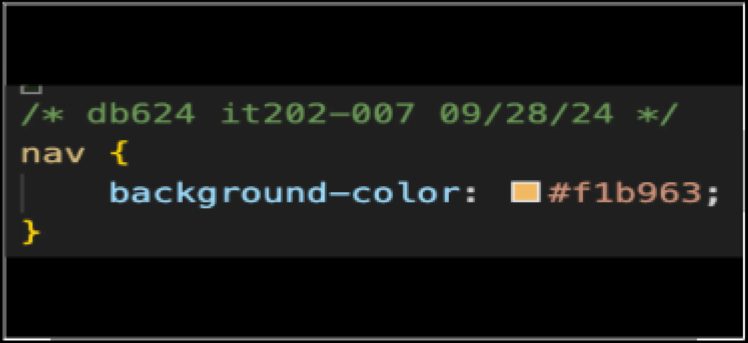
Task #2: Completed Challenges

Sub Task #4: Navigation background code

Task Screenshots

Gallery Style: 2 Columns

4 2 1



```
/* db624 it202-007 09/28/24 */
nav {
    background-color: #f1b963;
}
```

Screenshot of navigation background code

Screenshot of navigation background code

Caption(s) (required) ✓

Caption Hint: *Describe/highlight what's being shown*

Task Response Prompt

Explain how you gave the navigation a background

Response:

I selected the nav element and modified its background color property to change the color of the navigation background.

Sub-Task

100%

Group: Challenges

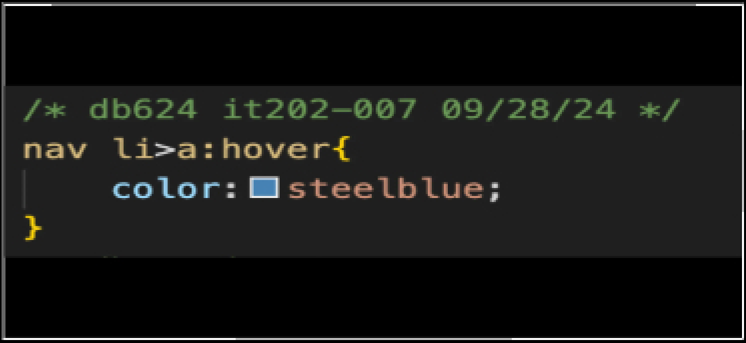
Task #2: Completed Challenges

Sub Task #5: Links mouseover/hover Code

Task Screenshots

Gallery Style: 2 Columns

4 2 1



```
/* db624 it202-007 09/28/24 */
nav li>a:hover{
    color:■steelblue;
}
```

Code for links hover

Caption(s) (required) ✓

Caption Hint: *Describe/highlight what's being shown*

Task Response Prompt

Explain how you made the links (or their surrounding area) change color on mouseover/hover

Response:

I used a combination of descendant combinator and a child combinator to select anchor tags who are direct children of li elements which themselves are descendants of a nav element. Then, I selected the hover attribute of the anchor tag, setting its color property to steelblue. This means that whenever the cursor hovers over the link, the link text color will be changed to steelblue.

Sub-Task

100%

Group: Challenges

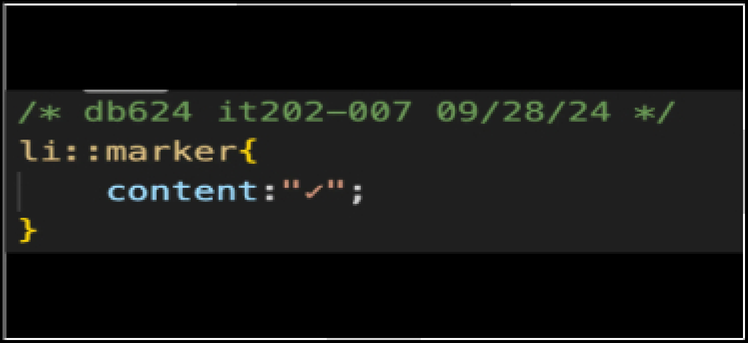
Task #2: Completed Challenges

Sub Task #6: Challenge List Checkmarks (✓) Code

Task Screenshots

Gallery Style: 2 Columns

4 2 1



```
/* db624 it202-007 09/28/24 */
li::marker{
    content:"✓";
}
```

Screenshot of challenge list checkmarks code

Caption(s) (required) ✓

Caption Hint: *Describe/highlight what's being shown*

Task Response Prompt

Explain how you changed the challenge list bullet points to checkmarks (✓)

Response:

I targeted the marker attribute of li elements and set their content to ✓. This means that the marker value would be changed to ✓. In addition, I also made sure to place this code above the code for horizontal navigation so that the horizontal navigation code would override changes made by this marker code. This is to ensure that only the markers of the challenge list are affected, while the markers of the nav list aren't.

Sub-Task

100%

Group: Challenges

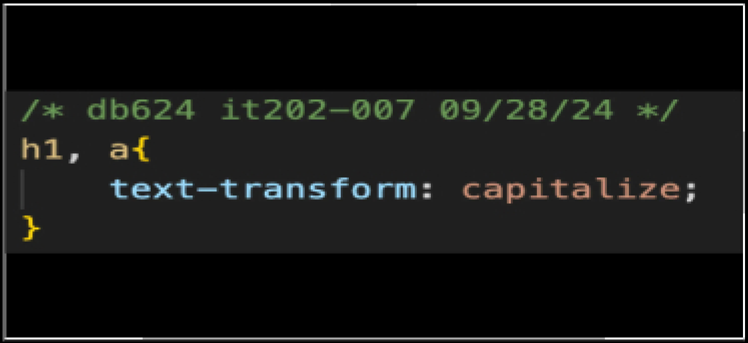
Task #2: Completed Challenges

Sub Task #7: Uppercase h1 and anchor tags Code

Task Screenshots

Gallery Style: 2 Columns

4 2 1



```
/* db624 it202-007 09/28/24 */
h1, a{
    text-transform: capitalize;
}
```

Screenshot of uppercase h1 and anchor tags code

Caption(s) (required) ✓

Caption Hint: *Describe/highlight what's being shown*

Task Response Prompt

Explain how you made the first character of the h1 tags and anchor tags uppercased

Response:

I used a selector list to select h1 and a tags. Then, I modified their text-transform property where I set the value to capitalize. This has the effect of capitalizing the first letter.

Sub-Task

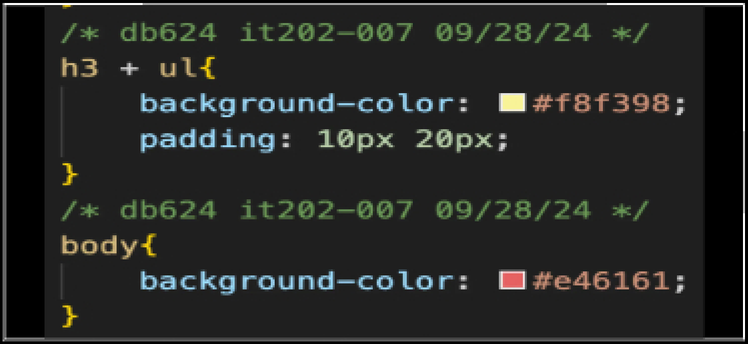
100%

Group: Challenges
Task #2: Completed Challenges
Sub Task #8: Custom Styling Code

Task Screenshots

Gallery Style: 2 Columns

4 2 1



```
/* db624 it202-007 09/28/24 */
h3 + ul{
    background-color: 🟨#f8f398;
    padding: 10px 20px;
}
/* db624 it202-007 09/28/24 */
body{
    background-color: 🟥#e46161;
}
```

Screenshot of custom styling code

Caption(s) (required) ✓

Caption Hint: *Describe/highlight what's being shown*

Task Response Prompt

Explain/describe your custom styling of your choice

Response:

First, I used the next sibling combinator to target the challenge list, which is placed after the h3 tag. Here, I changed the background color and also added padding to the sides so that there's more space between the text and the edges of the list box.

Next, I used the body tag to target the entire webpage background and change its color.

Sub-Task

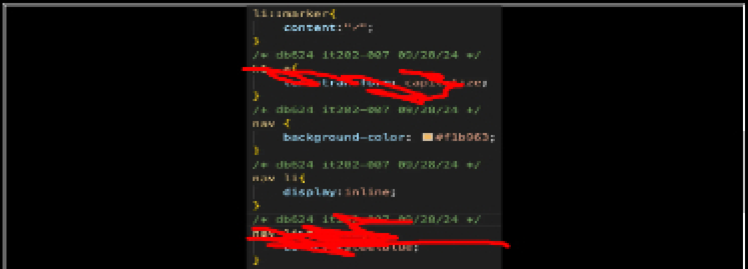
100%

Group: Challenges
Task #2: Completed Challenges
Sub Task #9: CSS separating challenge list items and nav

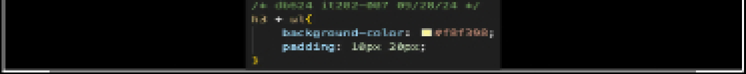
Task Screenshots

Gallery Style: 2 Columns

4 2 1



```
li::marker{
    content:"/";
}
/* db624 it202-007 09/28/24 */
[redacted]
}
/* db624 it202-007 09/28/24 */
nav {
    background-color: 🟧#f1b963;
}
/* db624 it202-007 09/28/24 */
nav li{
    display:inline;
}
[redacted]
}
```



```
/* dd624 it202-007 09/28/24 */
h3 + ul{
    background-color: ■#f0f398;
    padding: 10px 20px;
}
```

Screenshot of CSS seperatin challenge list items and nav

Caption(s) (required) ✓

Caption Hint: *Describe/highlight what's being shown*

Task Response Prompt

Explain how the styling for the challenge list doesn't impact the navigation list

Response:

There isn't specifically any code seperating the challenge list and nav list. However, I've used a combination of different combinators to target either only the nav list or the challenge list. For example, I used the sibling combinator + to select the challenge list since it comes after the h3 tag. I used the descendant combinator to select all li tags which are descendants of the nav tag to target the nav list.

Sub-Task

100%

Group: Challenges

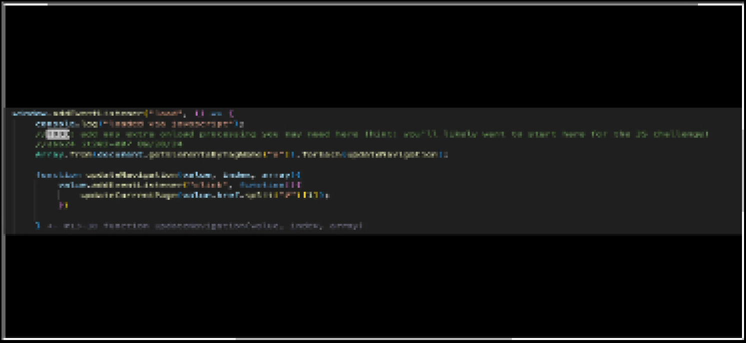
Task #2: Completed Challenges

Sub Task #10: JavaScript Link Text changing on Click Code

Task Screenshots

Gallery Style: 2 Columns

4 2 1



```
window.addEventListener("load", () => {
    console.log("loaded via javascript");
    // TODO: add any extra onload processing you may need here (hint: you'll likely want to start here for the JS challenge)
    //dd624 it202-007 09/28/24
    Array.from(document.getElementsByTagName("a")).forEach(updateNavigation);

    function updateNavigation(value, index, array){
        value.addEventListener("click", function(){
            updateCurrentPage(value.href.split("#")[1]);
        })

    } // end function updateNavigation(value, index, array)
```

Screenshot of javascript code for link text changing on click

Caption(s) (required) ✓

Caption Hint: *Describe/highlight what's being shown*

Task Response Prompt

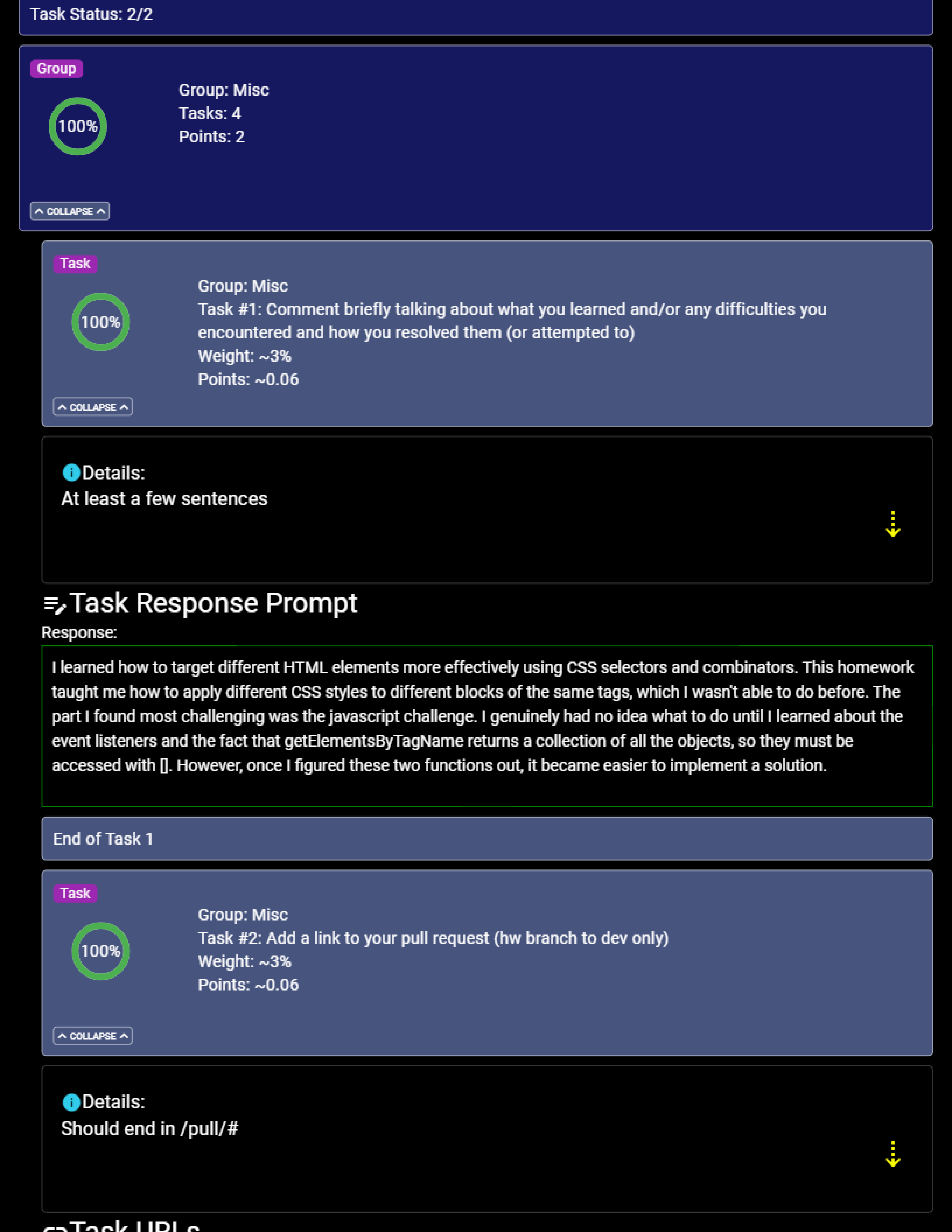
Explain how you updated the content of the h1 tag and the title tag with the link text

Response:

First, I selected all the anchor tags using document.getElementsByTagName(). However, this function returns an object, so I converted it to an array. I used the forEach() method to iterate through all the anchor tags, and for each of them I added an event listener where once clicked, the anchor tags would call the updateCurrentPage() function. I took the url and split it so that I can extract the navigation word, which I passed to the updateCurrentPage() function.

End of Task 2

End of Group: Challenges



Task Status: 2/2

Group: Misc
Tasks: 4
Points: 2

Group: Misc
Task #1: Comment briefly talking about what you learned and/or any difficulties you encountered and how you resolved them (or attempted to)
Weight: ~3%
Points: ~0.06

Details:
At least a few sentences

Task Response Prompt

Response:

I learned how to target different HTML elements more effectively using CSS selectors and combinators. This homework taught me how to apply different CSS styles to different blocks of the same tags, which I wasn't able to do before. The part I found most challenging was the javascript challenge. I genuinely had no idea what to do until I learned about the event listeners and the fact that getElementsByTagName returns a collection of all the objects, so they must be accessed with []. However, once I figured these two functions out, it became easier to implement a solution.

End of Task 1

Group: Misc
Task #2: Add a link to your pull request (hw branch to dev only)
Weight: ~3%
Points: ~0.06

Details:
Should end in /pull/#

Task URLs

Task URLs

URL #1
https://github.com/Dathster/db624-it202-007/pull/9

URL
https://github.com/Dathster/db624-it202-007/pul

End of Task 2

Task

100%

Group: Misc
Task #3: Add a link to your production file
Weight: ~3%
Points: ~0.06

COLLAPSE

Task URLs

URL #1
https://it202-db624-prod-a236ea831ca5.herokuapp.com/challenge.html

URL
https://it202-db624-prod-a236ea831ca5.herokuaj

End of Task 3

Task

100%

Group: Misc
Task #4: Waka Time (or related) Screenshot
Weight: ~3%
Points: ~0.06

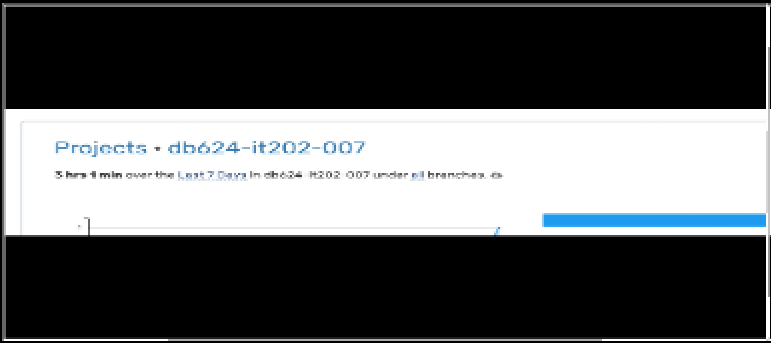
COLLAPSE

Details:
Screenshot clearly shows what files/project were being worked on (the duration of time doesn't correlated with the grade for this item)

Task Screenshots

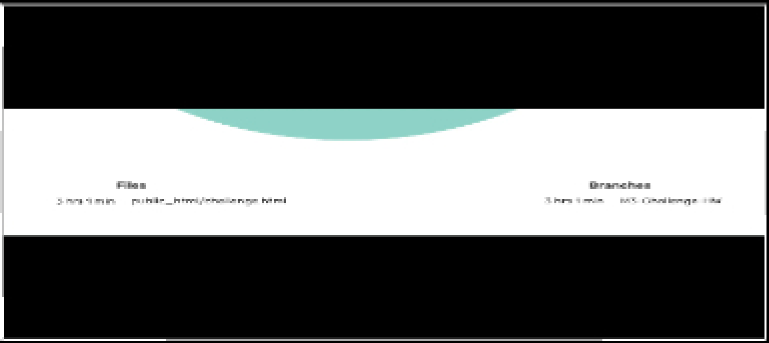
Gallery Style: 2 Columns

4 2 1


Projects • db624-it202-007

3 hrs 1 min over the Last 7 Days in db624-it202-007 under all branches.

Overview


Files
3 hrs 1 min public_html/challenge.html

Branches
3 hrs 1 min M5-Challenge-

Individual

End of Task 4

End of Group: Misc
Task Status: 4/4

End of Assignment