Submission Worksheet

IT202-452-M2024 - [IT202] Module 3 JS and CSS Challenge

Submissions:

Submission Selection

1 Submission [active] 6/10/2024 5:48:38 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

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Branch name: M3-Challenge-HW

Tasks: 6 Points: 10.00

● Challenges (8 pts.)

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Task #1 - Points: 1

Text: Evidence of working JS

ⓘ 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

#1) A screenshot showing the page after the login link is clicked with URL shown 👁

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()
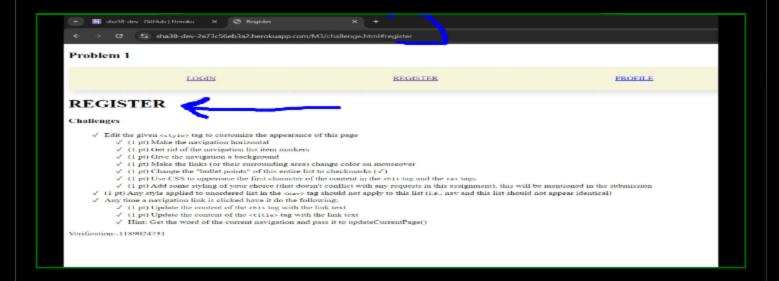
Verification: 1189024751

Caption (required) ✓
Describe/highlight what's being shown
Showing the page after login link is clicked with URL shown

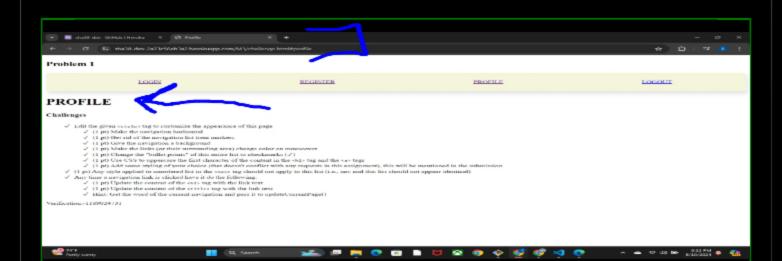## #2) A screenshot showing the page after the register link is clicked with URL shown

Caption (required) ✓
Describe/highlight what's being shown
Showing the page after he register link is clicked with URL shown

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#3) A screenshot showing the page after the profile link is clicked with URL shown
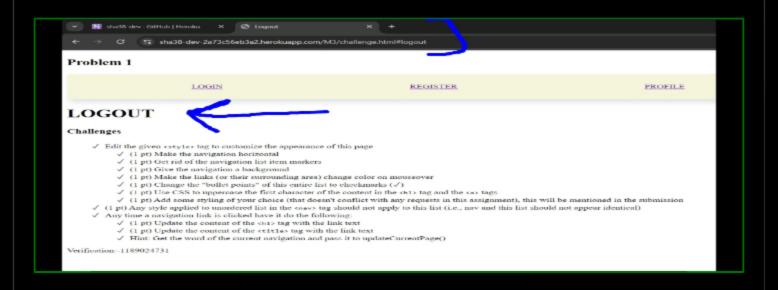
#4) A screenshot showing the page after the logout link is clicked with URL shown 👁

●

^ COLLAPSE ^

Task #2 - Points: 1
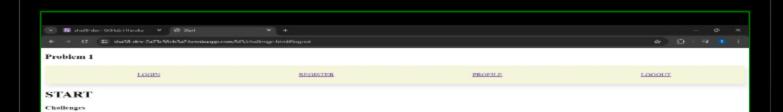
Text: Completed Challenges

ⓘ **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 explanation)

#1) Screenshot of full page showing all challenges complete and verification code 👁

✓ Edit the given `<style>` tag to customize the appearance of this page
  ✓ (3 pt) Make the navigation horizontal
  ✓ (2 pt) Uni and ol-like navigation list item markers
  ✓ (1 pt) Give the navigation a background
  ✓ (3 pt) Make the links (or their surrounding area) change color on mouseover
  ✓ (3 pt) Change the "bullet points" of this entire list to checkmarks (✓)
  ✓ (3 pt) Use CSS to uppercase the first character of the content in the `<h1>` tag and the `<a>` tags
  ✓ (3 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 that list (i.e., nav and that 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:~1199124753

#2) Horizontal Navigation Code

```
<style>
    /**sha38 6/10/24**/
    nav ul {
        display:flex;
        justify-content:  space-around;
        list-style-type:none;
        You, 18 minutes ago • M3 challange
    }
```

Caption (required) ✓
Describe/highlight what's being shown
displays horizontal nav code

Explanation (required) ✓
Explain how the solution code makes the navigation horizontal

📄 PREVIEW RESPONSE

Firstly, we want to make the list horizontal, we can use the display:flex which allows the list elements in the ul to laid out in a horizontal row instead of a vertical one. We want equal space between each element which is why we use justify-content, this basically distributes evenly along the horizontal axis. We then remove the default bullet points for our list items using list-style-type:none, basically stating we dont want any list styles.

#3) Navigation without markers Code

```
nav ul li {
    list-style:none;
}
```

Caption (required) ✓
Describe/highlight what's being shown
Showing navigation without markers code

Explanation (required) ✓
Explain how the solution code removes the markers from the nav items

📄 PREVIEW RESPONSE

We wnat to get rid fo the markets from the list, to do so we use list-style:none, we are basically stating that we do not want any on this list, and if there is any, to remove it.

#4) Navigation background code

◉

```
nav {
    background-color: ■ beige;
    padding:10px;
    box-shadow:  4px 10px 12px  □ rgba(0,0,0, 0.1);
    border-radius:  5px;
}
```

Caption (required) ✓
Describe/highlight what's being shown
background code for nav

Explanation (required) ✓
Explain how you gave the navigation a background

📄 PREVIEW RESPONSE

to give the nav a background, we first select the nav section and put a background-color instruction there. We then pick the color we want the background of the nav section to be.

#5) Links mouseover/hover Code

```css
nav a:hover {
    color: rgb(40, 108, 145);
}
```

Caption (required) ✓
Describe/highlight what's being shown
mouseover/hover code

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

📄 PREVIEW RESPONSE

We want to make the links in nav to change color when hovered over. To do so, we use nav a:hover, nav a specifically targets all the link elements in navigation. :Hover, makes it so that when a user is hovering over the link it will change color. We then simply pick a color we want the link to change to when it is being hovered over.

#6) Challenge List Checkmarks (✓) Code

```css
ul {
    list-style-type:none;
}

h3 + ul li::before {
    content: "✓ ";
    margin-right: 5px;
    color: black;
}
```

Caption (required) ✓

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

📄 **PREVIEW RESPONSE**

Firstly, we removed all the bullet points or markers in the list, by calling the ul element and setting the list-style to none. We then wanted only target the specific list in h3 not nav. To do this, we use H3+ ul li:before, this targets the li elements that direct children of a ul element following an h3 element. The :before is used to insert content before each of the li element. In this case, the content is the checkmark which we stated. I then added some margin to the right of inserted checkmark, providing some spacing and also change the color of the checkmark to black.

#7) Uppercase h1 and anchor tags Code

👁

```css
h1, nav a {
    text-transform: uppercase;
}
```

Caption (required) ✓
Describe/highlight what's being shown

shows uppercase h1 and anchor tags code

Explanation (required) ✓
Explain how you made the first character of the h1 tags and anchor tags uppercased

📄 **PREVIEW RESPONSE**

First, we target the

elements and
anchor element

anchor element within the nav element using h1, nav a. We then use text-transform which specifies that the text in the selected elements should be transformed to uppercase.

to uppercase, thus ensuring that these elements will always be displayed in uppercase letters.

```css
nav {
    background-color: ☐beige;
    padding:10px;
    box-shadow: 4px 10px 12px ☐rgba(0,0,0, 0.1);
    border-radius: 5px;
}
```

Caption (required) ✓
Describe/highlight what's being shown
Custom styling code

Explanation (required) ✓
Explain/describe your custom styling of your choice

📄 PREVIEW RESPONSE

I added a box shadow around the navigations. I did this by using the box-shadow element and implementing the size of the shadow I want and color. I then added a border radius to create a rounder corner for the box.

#9) CSS separating challenge list items and nav 👁

```css
ul {
    list-style-type:none;
}

h3 + ul li::before {
    content: "✓ ";
    margin-right: 5px;
    color: ☐ black;
}
```

Caption (required) ✓
Describe/highlight what's being shown
separating challenge list items and nav

Explanation (required) ✓
Explain how the styling for the challenge list doesn't impact the navigation list

📄 PREVIEW RESPONSE

It does not impact navigation list we are specfically targeting the challenge list and not the nav list. The nav list are specified using nav ul, nav ul li, and nav selectors which only tragets the nav list. While, for the challenge list, we specified by using h3 + ul li::before. This speicfically targets li items that are the children of a ul list following a h3 elements. By being specific we only target the list we need and not impact the others.

#10) JavaScript Link Text changing on Click Code 👁

```
<script>
    window.addEventListener("load", () => {
        console.log("loaded via javascript");
        /**shark 6/18/24**/
        const navLinks = document.querySelectorAll("nav a");
        navLinks.forEach(link=> {
            link.addEventListener("click", (event) => {
                event.preventDefault();
                const linkText = event.target.textcontent;
                document.querySelector("h1").textContent = linkText;
                document.title = linkText;
                updateCurrentPage(linkText);
                const href = event.target.getAttribute('href');
                history.pushState({}, '', href);
            });
        });
    });
</script>
```

Caption (required) ✓
Describe/highlight what's being shown
link text changing on click code

Explanation (required) ✓
Explain how you updated the content of the h1 tag and the title tag with the link text

📄 PREVIEW RESPONSE

First we add a event listenser to the "load" event of the window, when page is finished loading the function will be executed. Now we want to iterate through navigation links, to do so we use const navLinks... which selects all anchor elements in nav and stores them in the navLink variable. Since we have "click" event listenser, we attach it to each navigation link, the (event) => {...} handles the click event and recieves the object as a parameter. We use event.preventDefault() to prevent the page from relaoding when a navigation link is clicked. Then using constlinkText = event.target.textContext; we retrieve what navigation link was clicked and store it in the linkText. Using the document.querySelector (h1) and (title) we updated the text content of both with the linkText, changing the original text to match the clicked navigation link. The updateCurrentPage code, updates the page based on the clicked link. Finally we use the const href.... to retrieve the value of the 'href' of the clicked nav link and store it in href variable. Using history.pushState... we update the URL of the page without reloading it, it replaces the current URL witht he value of 'href'.

● **Misc** (2 pts.)

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⌃ COLLAPSE ⌃

Task #1 - Points: 1

Text: Comment briefly talking about what you learned and/or any difficulties you encountered and how you resolved them (or attempted to)

ⓘ **Details:**
At least a few sentences

Response:

I learned how you can use HTML, CSS, and JS to effectively create a complex website. One difficulty I had was trying to seperate the nav list form the challenge, as I was changing the list style to a checkmark, it also changed the nav list. I fixed this by using more specific element selectors to only target the challenge list not the whole html page.

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Task #2 - Points: 1

Text: Add a link to your pull request (hw branch to dev only)

ⓘ **Details:**
Should end in /pull/#

URL #1
https://github.com/ShahadatAnadil/sha38-it202-452/pull/7

🟢

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Task #3 - Points: 1

Text: Add a link to your production file

URL #1
https://sha38-prod-ae798a1dca98.herokuapp.com/M3/challenge.html

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Task #4 - Points: 1

Text: Waka Time (or related) Screenshot

ⓘ **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: Large View

Small   Medium   Large

🗑

Projects • sha38-it202-452

3 hrs 15 mins over the Last 7 Days in sha38-it202-452 under all branches. ☁

overview

Files

3 hrs 14 mins	public_html/M3/challenge.html
3 secs	public_html/M2/problem3.php
1 sec	public_html/M2/problem2.php
1 sec	public_html/M2/problem1.php
0 secs	C:/php8.3/php.ini
0 secs	...eadings_IT202-452-M2024.pdf

Branches

3 hrs 15 mins	M3-Challenge-HW
0 secs	Unknown
0 secs	M2-PHP-Readings

individual

End of Assignment