PUI
Assignment FP4 – Final Project

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Joanie Lam

Part 1: Describe your website

The purpose of my website is to help my friend Ellie promote the importance of mental health by offering free online yoga lessons to the CMU community. Ellie has been teaching me yoga since the start of the fall semester and her online yoga classes have tremendously helped me reduce stress from school. We hope to expand her free online yoga lessons to the CMU community so the whole community can benefit from her kind offering.

The target audience is anyone from our CMU community.   Information on the website is to let users learn about Ellie and schedule an appointment with her through her calendar. When users visit Ellie's page, they are able to see videos of Ellie's past students through the background video slider. Yoga lesson music is available for users when they click to play music. This feature helps to deliver a better overall experience when users explore the website. The website is responsive so users can explore and schedule appointments when they are on the go.

The gallery page has a picture slider where users can check out Ellie's overall yoga skills. Users can scroll through different pictures on the gallery slider or click on the individual picture in the listed gallery below the photo slider and jump directly to the yoga pose instructions. Users can follow the instructions to practice yoga at home or they could schedule an online one-to-one yoga lesson with Ellie by visiting the calendar page. Users can make an appointment on the calendar and notify Ellie.   Although CMU also offers free yoga classes, many students are not able to take advantage of yoga classes when their schedules are busy. Ellie is a professional yoga teacher and her free flexible online lessons are a good solution to address these pain points.

Part 2: Use a bulleted list to describe how a user would interact with your website

- **yoga videos** - user can click at each video slider button on landing page to view yoga videos. There are total 4 yoga videos available.
- **yoga music** - user can play yoga music by clicking on the music player on landing page.
- **Icon animation** - animation is available on landing page when user hover on social media icons (facebook, instagram and twitter).
- **On hover logo color change** - title name "Yoga with Ellie" changes color when user hovers and it directs user back to homepage when on click.
- **On hover navigation bar animation -** Menu bar appears when user hovers navigation bar (home, gallery and calendar)
- **Responsive design on navigation bar and content** - all pages on website are responsive so the same information conveys when user switches devices.
- **Photo slider** - Photo slider (total 6 photos) is available on gallery page for a fun interactive overview.
- **On click navigation** - On gallery page user is able to jump to certain yoga instruction when they click on individual yoga picture. It helps to increase efficiency for users.
- **Calendar scheduling** - calendar is available for scheduling appointments with Ellie on calendar page.

Part 3: Describe what external tool you used (JavaScript library, Web API, animations, or other)

- **<u>Web API from Calendly.com</u>** - I used it to add a calendar on website for user to schedule appointments. I first created an account on calendly.com and then add the inline embed code to calendar page html. User is able to see Ellie's calendar on calendar page and schedule an appointment with her.
- **Cdnjs (font awesome)** - for media icons (facebook, instagram and twitter). I added it in the head section as a href link for internet icon library in order to simplify adding icon process . It helps to import facebook, instagram and twitter logos on the landing page. User then can easily recognize the icons and access Ellie's social media links.
- **Viewport meta tag** - instead of bootstrap I used viewport meta tag instead. I added it in the head section of html and set the width of browser = width of device. It helps to tell the browser that the width of the screen should be considered as the full width of the page. That way no matter the width of the device changes, the website will follow the width of the device that the user is on. I chose to use it for responsive design requirement so content stays cohesive even when users switch different devices.

Part 4: Describe how you iterated on your prototypes, if at all, including any changes you made to your original design while you were implementing your website.

- I made a lot of changes on my landing page after I received feedback from my friends about the original static landing page was mundane and not interactive enough. I also moved the embedded youtube video section from the gallery page to a background video slider on landing page.

- For photo slider, one feedback was about user not being able to tell which photo they are on after they click on the slider button. I improved this part by showing solid colored button to indicate which photo was showing. I tested this updated design with two friends from my cohort, they both found updated design was much easier to navigate.

Part 5: What challenges did you experience in implementing your website?

- Challenges include adding an audio player on the landing page, adjusting position of slider buttons on both video slider and photo slider. Both of slider button positions got messed up after I adjusted photo sizes or updated background color.
- Another big challenge was passing the accessibility test for the landing page. Although color contrast between white text and navy background color was high enough for most people, it didn't pass the WAVE tool. I had to adjust text color to brownish color in order to pass the WAVE accessibility test. The result was surprising to me.

Landing page - video 1

Landing page - video 2

Landing page - video 3

Landing page - video 4

WAVE
web accessibility evaluation tool

Styles: OFF ⬤ ON

Summary

🏠 Summary   ☰ Details   ⓘ Reference   Order   Structure   Contrast

❌ **0**
Errors

◯● **0**
Contrast Errors

⚠️ **6**
Alerts

✅ **1**
Features

5
Structural Elements

🟪 **3**
ARIA

☰ View details ›

Congratulations! No errors were detected! Manual testing is still necessary to ensure compliance and optimal accessibility.

WAVE
web accessibility evaluation tool

Styles: OFF ⬤ ON

Details

🏠 Summary   ☰ Details   ⓘ Reference   Order   Structure   Contrast

☑ ⚠️ **6 Alerts**
☑ 1 X Redundant link
🔗⚠️ ⓘ
☑ 5 X HTML5 video or audio
▶️⚠️ ▶️⚠️ ▶️⚠️ ▶️⚠️ ▶️⚠️ ⓘ

☑ ✅ **1 Features**
☑ 1 X Language
🌐 ⓘ

☑ **5 Structural Elements**
☑ 4 X Heading level 1
h1 h1 h1 h1 ⓘ
☑ 1 X Header
🗄️ ⓘ

☑ 🟪 **3 ARIA**
☑ 3 X ARIA label
🏷️ 🏷️ 🏷️ ⓘ

Gallery page -

Calendar page -

Styles: OFF ⬤ ON

Styles: OFF ⬤ ON

Summary

🏠 Summary | ☰ Details | ⓘ Reference | Order | Structure | Contrast

Details

🏠 Summary | ☰ Details | ⓘ Reference | Order | Structure | Contrast

❌ **0**
Errors

◯● **0**
Contrast Errors

⚠️ **1**
Alerts

✅ **1**
Features

⚛ **2**
Structural Elements

📦 **0**
ARIA

☰ View details ›

Congratulations! No errors were detected! Manual testing is still necessary to ensure compliance and optimal accessibility.

☑ ⚠️ **1 Alerts**
☑ 1 X No heading structure
🖊️⚠️ ⓘ

☑ ✅ **1 Features**
☑ 1 X Language
🌐 ⓘ

☑ ⚛ **2 Structural Elements**
☑ 1 X Inline frame
🖼️ ⓘ
☑ 1 X Header
🗄️ ⓘ

Design reference:

https://www.codingsnow.com/2021/04/tutorial54.html