Screen sizes to test on: 1318 x 850 and 375 x 667
It works fine on other screens, but I think it looks nicest on these sizes.

Part 1:

The purpose of my website is to have an interactive collage of album art consisting of your top Spotify tracks, with the actual tracks playing on the side depending on the images you click on. The information I'm trying to convey is a visual representation of a user's listening habits over the last 6 months, along with the actual listed out tracks and the ability to customize their collage. The website is interesting and engaging because I haven't seen other applications create a collage of album art before, and the ability to listen to the songs by directly clicking on the images is an engaging feature. The target audience is people who use Spotify a lot and like to know about their listening history. There are a lot of other applications out there that display a user's listening history, but I think this website achieves it in a unique way.

Part 2:

Interactions:

- Pointing task: Select the "Login to Spotify" button on the homepage of the website
- Pointing task: Select any of the images in the collage to updated the embedded player
- Text input: Input a hex code of a color into the text box in order to change the background color of the collage
- Pointing task: Press play button to play a track embedded in the website

Part 3:

- Name of tool: Spotify API
- I chose to use it because I've seen some cool projects done with it before. I've also never done anything with API's so I thought this would be a good time to learn more about it.
- I used it to get the user's data on their recently listened tracks, as well as the album art from the songs, and for the id's of the songs so that I could transfer them to the embedded framework. I used this tutorial: https://developer.spotify.com/documentation/web-api/howtos/web-app-profile from the API documentation as a template to learn about how to authenticate users and get information from the API.
- This tool provides all of the content for my website, so it's really important!

Part 4:

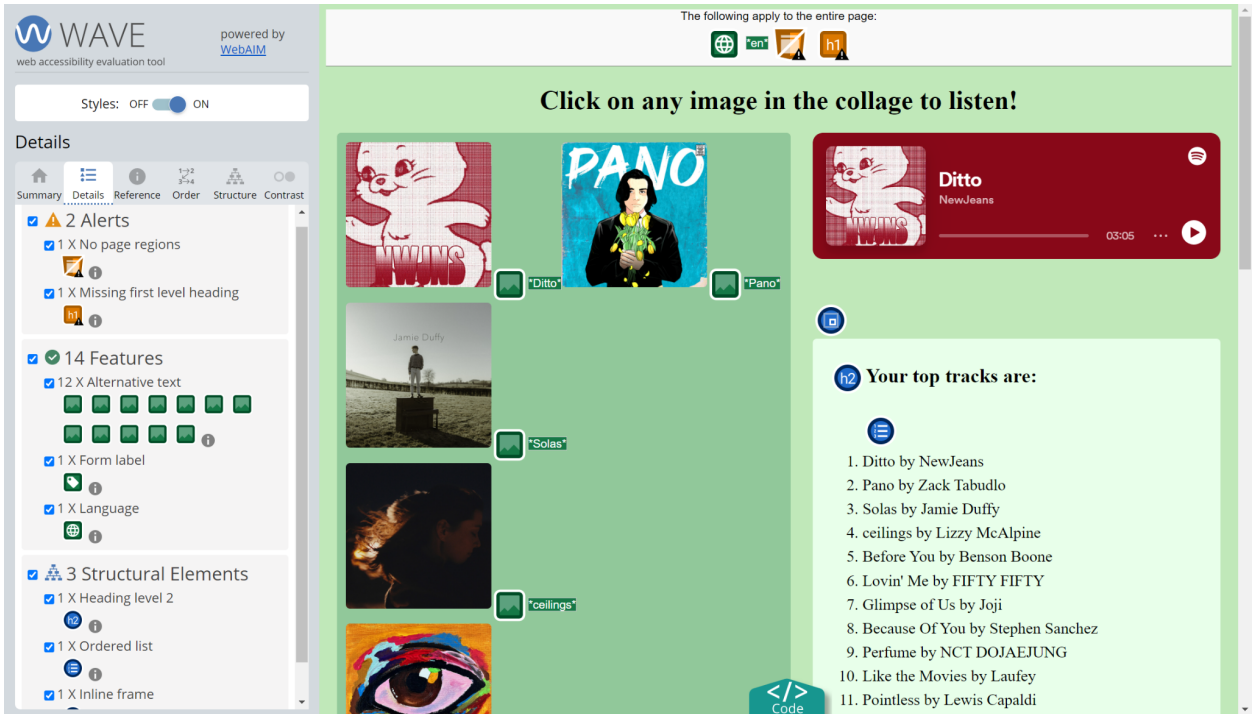
My original design:
https://www.figma.com/proto/z7970ct4Z80mtfBJmYRYMx/Untitled?node-id=1-2&scaling=scale-down&page-id=0%3A1&starting-point-node-id=1%3A2&show-proto-sidebar=1

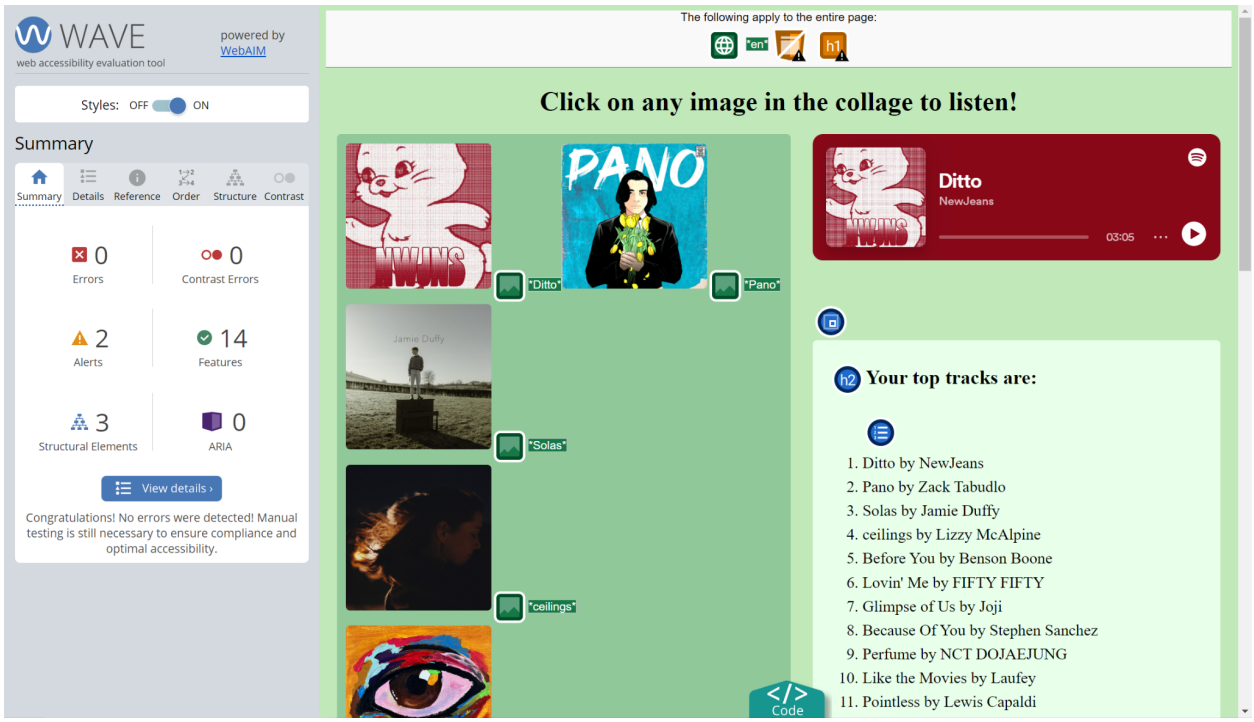
My original design was to have a website that only made the collage, and the user be able to switch out images in the collage for different ones in their top tracks and then download the collage. However, a TA suggested that it might be interesting to play the songs by clicking on their images, which I thought was an interesting idea, so I decided to pursue that idea further. After implementing that feature, I decided to add some more features to fill the gaps in the UI, like having a text list of a user's top songs, and implementing a feature where the user could change the background color of the collage. After adding in these features, I ran out of time to implement my original image switching idea, but I'm still happy with the way it turned out.

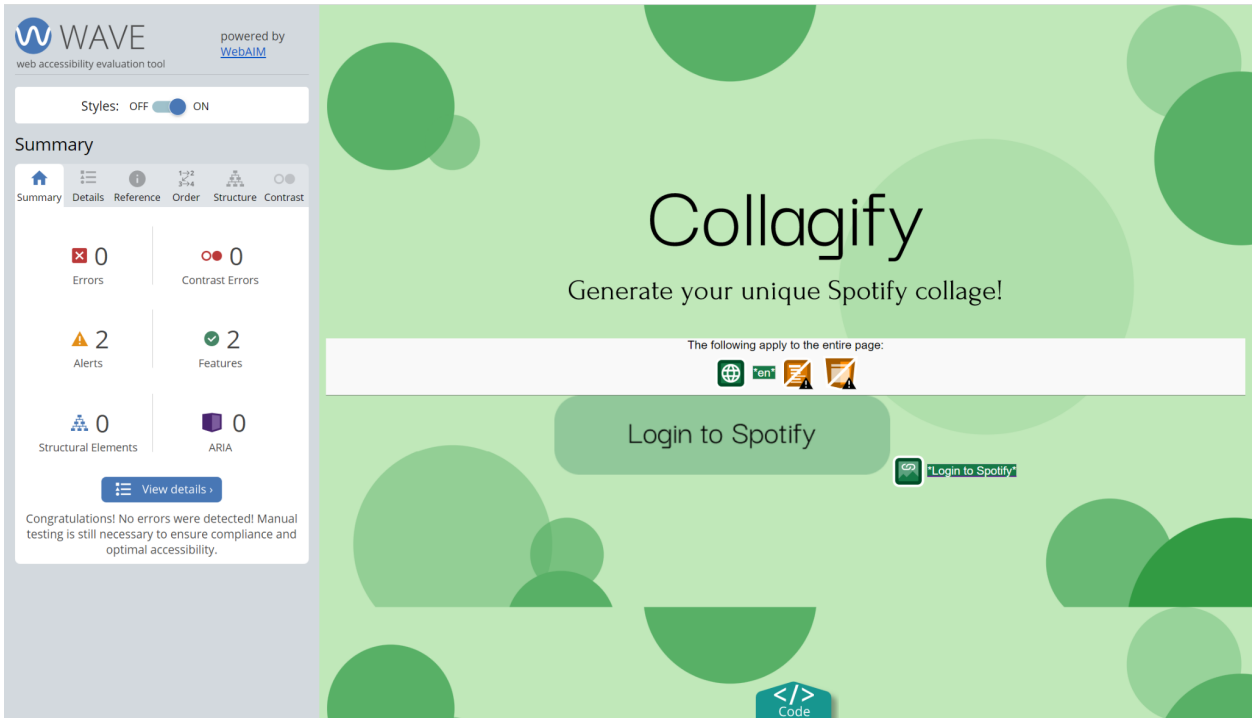
Part 5:

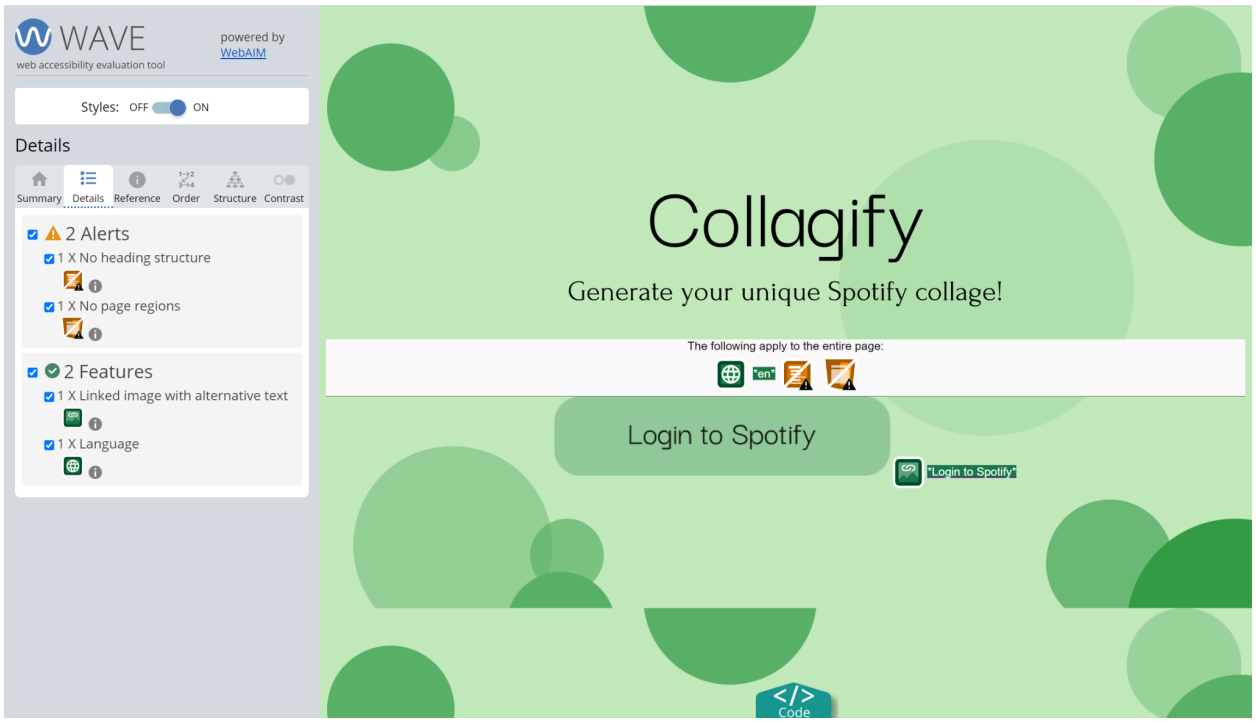
Some challenges I experienced were with the authentication process with the user login, especially since I've never worked with an API before, or anything with login data. I had to follow the tutorial that Spotify API posted, and then adapt it to work for my own needs. I also had to dig through the API documentation to figure out how to get the information that I needed from all the data that they send.

Wave Evaluations:


WAVE
web accessibility evaluation tool
powered by WebAIM
Styles: OFF ON
Details
Summary Details Reference Order Structure Contrast
2 Alerts
1 X No page regions
1 X Missing first level heading
14 Features
12 X Alternative text
1 X Form label
1 X Language
3 Structural Elements
1 X Heading level 2
1 X Ordered list
1 X Inline frame
The following apply to the entire page:
"en"
h1
Click on any image in the collage to listen!
"Ditto"
"Pano"
"Solas"
"ceilings"
Ditto
NewJeans
03:05
Your top tracks are:
1. Ditto by NewJeans
2. Pano by Zack Tabudlo
3. Solas by Jamie Duffy
4. ceilings by Lizzy McAlpine
5. Before You by Benson Boone
6. Lovin' Me by FIFTY FIFTY
7. Glimpse of Us by Joji
8. Because Of You by Stephen Sanchez
9. Perfume by NCT DOJAEJUNG
10. Like the Movies by Laufey
11. Pointless by Lewis Capaldi
Code


WAVE
web accessibility evaluation tool
powered by WebAIM
Styles: OFF ON
Summary
Summary Details Reference Order Structure Contrast
0 Errors
0 Contrast Errors
2 Alerts
14 Features
3 Structural Elements
0 ARIA
View details ›
Congratulations! No errors were detected! Manual testing is still necessary to ensure compliance and optimal accessibility.
The following apply to the entire page:
"en"
h1
Click on any image in the collage to listen!
"Ditto"
"Pano"
"Solas"
"ceilings"
Ditto
NewJeans
03:05
Your top tracks are:
1. Ditto by NewJeans
2. Pano by Zack Tabudlo
3. Solas by Jamie Duffy
4. ceilings by Lizzy McAlpine
5. Before You by Benson Boone
6. Lovin' Me by FIFTY FIFTY
7. Glimpse of Us by Joji
8. Because Of You by Stephen Sanchez
9. Perfume by NCT DOJAEJUNG
10. Like the Movies by Laufey
11. Pointless by Lewis Capaldi
Code


WAVE
web accessibility evaluation tool
powered by WebAIM
Styles: OFF ON
Summary
Summary Details Reference Order Structure Contrast
0 Errors
0 Contrast Errors
2 Alerts
2 Features
0 Structural Elements
0 ARIA
View details ›
Congratulations! No errors were detected! Manual testing is still necessary to ensure compliance and optimal accessibility.
Collagify
Generate your unique Spotify collage!
The following apply to the entire page:
"en"
Login to Spotify
"Login to Spotify"
Code


WAVE
web accessibility evaluation tool
powered by WebAIM
Styles: OFF ON
Details
Summary Details Reference Order Structure Contrast
2 Alerts
1 X No heading structure
1 X No page regions
2 Features
1 X Linked image with alternative text
1 X Language
Collagify
Generate your unique Spotify collage!
The following apply to the entire page:
"en"
Login to Spotify
"Login to Spotify"
Code