

Jonathan Lindstrom

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Jmlindst

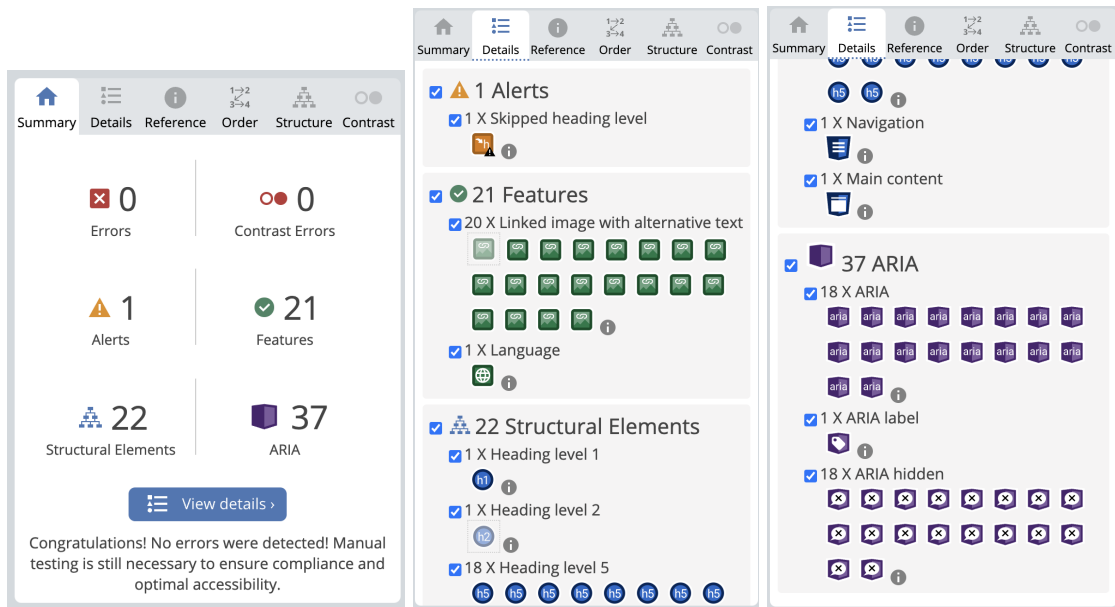
Jonathan Lindstrom: College Cooker TP

Responsive:

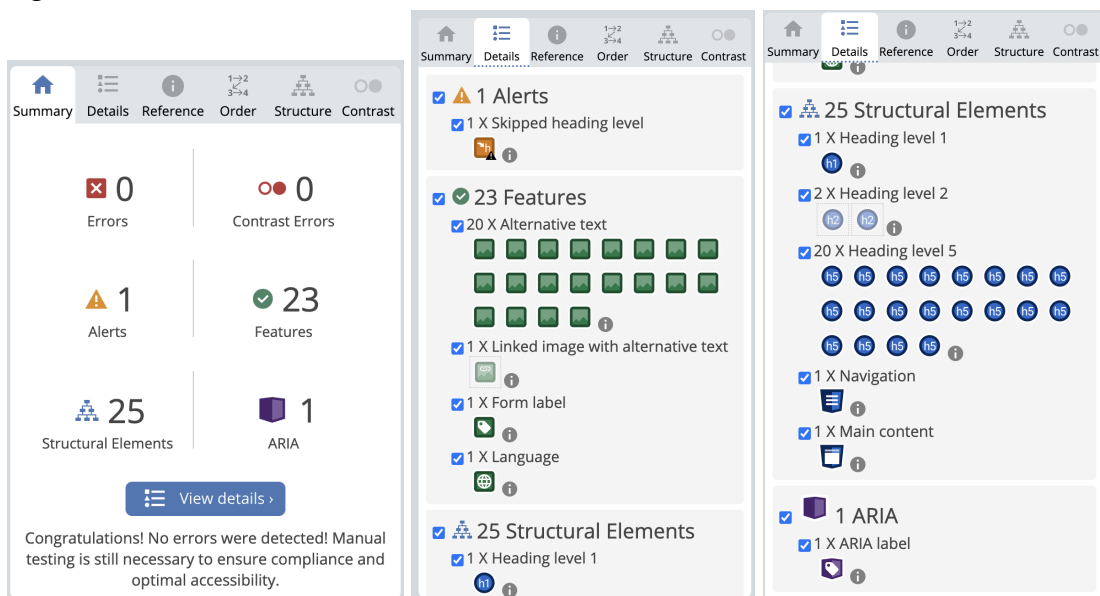
- iPad Pro
 - You can check this with Inspect and then change the dimensions to iPad Pro
- Desktop

Accessibility:

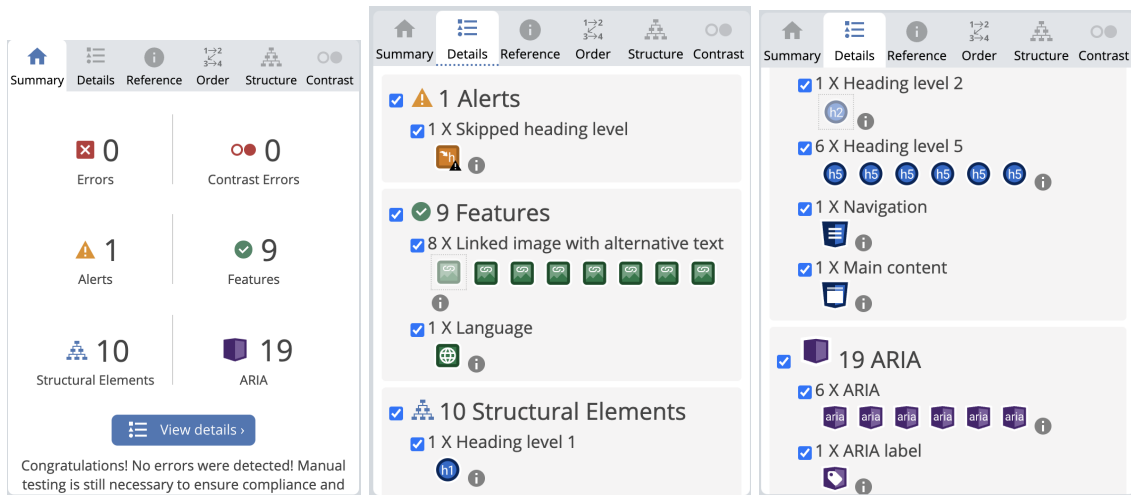
- Index.html



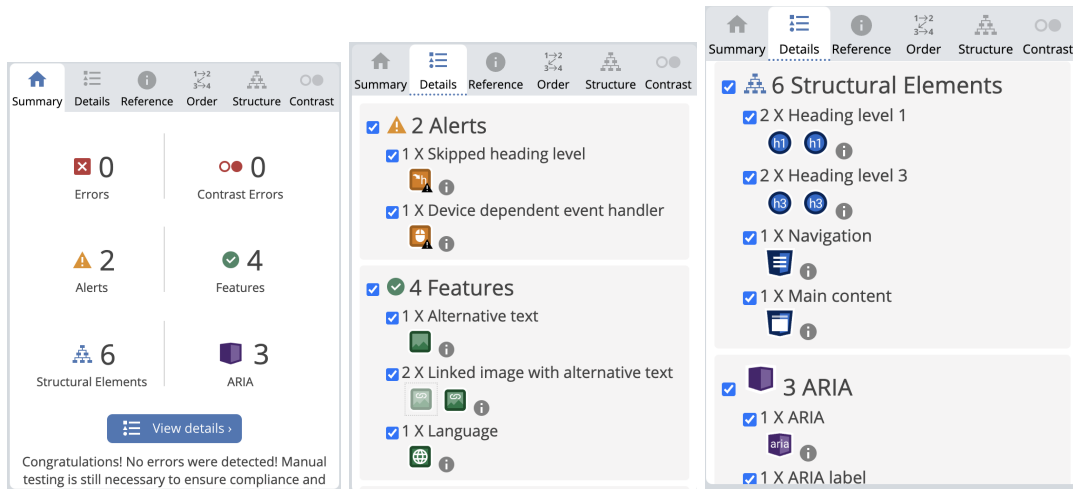
- Ingredients.html



- Favorites.html



- RecipeDetail.html



As you can see for all of my pages above there are 0 errors and contrast errors for any of my pages. All of the details are included on the page above as well.

Part 1:

This website is meant to give inspiration for creating new recipes with the ingredients you already have lying around. The info I intend on conveying with the website is simply an easy way to find these new recipes and have access to all of the instructions and ingredient lists for them. It is very interesting to me because I love cooking. It can be hard to search for recipes online that match what you have so this makes that process significantly easier. The target audience is home cooks and college students.

Part 2:

The user can interact with this website in a few different ways:

Path 1: Random Recipes

- Click on the See Random Recipes button
- Choose a random recipe
- Click Back or on 'College Cooker' to go back to the home page

Path 2: Selecting Ingredients

- Click on the Select Ingredients button or the shopping cart at the top of the screen
- Search any ingredients they have by typing in an ingredient in the search bar and hitting 'enter'
- Repeat the step above for all the ingredients that you would like.
- Click on 'see recipes' to view recipes that include the ingredients you have.
- Notes:
 - It can only look for recipes that include all the ingredients selected so if you select something like chocolate and chicken it will have no recipes available. There is error messaging for this to convey that to the user
 - Similarly, if you misspell an ingredient nothing will show up. There is also error messaging for this.
 - The % shown on each recipe card is the % of ingredients you have for that given recipe

Path 3: Favorites

- After finding recipes with either the above paths you can click the little heart of a recipe card to 'favorite it'
- By clicking the heart in the navbar it will take you to a page that displays all of the recipes you have favorited.
- To get back to recipes you can click on 'college cooker' in the navbar or you can go to ingredients to select new or different ingredients.
- To unfavorite a recipe simply click on the heart again.

Part 3:

The external tool I used is a web API called [spoonacular](https://spoonacular.com/).

I chose to use this because it contains an extremely large database of both ingredients and food. Furthermore, it has spectacular documentation and examples with many endpoints for core functions of my app such as searching recipes by a list of given ingredients. Finally, it has student support for projects like this with close to unlimited access for \$10 a month so it worked perfectly for this project.

I used it for basically the entirety of my website. All of the images, recipes, and ingredients are based on the info from the api calls. I have a class called spoonacular.js

that has several functions calling different endpoints of this api for search ingredients, finding recipes, and generating random recipes.

Without this api my website would be very limited. I would have had to manually build a database of recipes and food and it would be much less helpful to users compared to the 360,000 + recipes that Spoonacular offers.

Part 4:

I did make some changes that were largely due to the limitations of spectacular and time. For starters, I was originally going to add different cuisine tabs at the top of the recipes screen and in the ingredients page. The issue with this is that each of those would require another api call and those points add up if I am calling 10+ API calls each page reload as opposed to 1-2. Due to this, I left in search functionality for both recipes and ingredients instead as that requires simply 1 api call. I also added in a feature for liking the recipes, one of my friends I was showing the website to thought that it would be a helpful feature for users and I agreed.

Part 5:

The biggest challenge I faced was with the api implementation. I was originally using the free version of the api which has a limit of 150 points a day. I would run out of this within 20-30 minutes each day so I ended up contacting the maintainers about the student version which gives me 5000 points/day for overcoming that issue. I was also having some trouble initially just figuring out how all the endpoints work and how to properly get the information I needed from the api but thankfully due to the good documentation and examples, I was able to figure it out after some effort.