Assignment 8: Write-Up

Jaclyn Yang

Links

Website: https://jackiey321.github.io/motivately/index
GitHub: https://github.com/jackiey321/motivately
Video: https://drive.google.com/file/d/1SiWRGRev9yxrJixs8iXvCHE8MMHehkGD/view?usp=sharing

Part 1: Description

The purpose of my website is to serve as a planning tool for both daily tasks and long term tasks. I incorporated features that would make it easier for people to navigate everything they have to do everyday. This website, therefore, relies heavily on user input. The target audience of this website consists of students and young-adults who lead very busy lives, so the overall visual design was decided upon to bring a calming but still vibrant setting to their lives.

On the dashboard, users can view their three closest deadlines that have yet to be completed. A deadline will be highlighted if it is very close (within three days). This is meant to keep the user on track and initiate a call to action. There is also a space for the user to jot down notes. The last aspect of this dashboard is the to-do list where users can add shorter term tasks, check them off, or completely remove them. A progress bar with a percent is displayed to show much of the to-do list is finished with a clear visual and numerical cue.

On the kanban board, users can organize their long term tasks. They can add tasks into any of the three stages of the kanban board. Then, they can drag and drop the tasks around to move them from one stage to another. Similar to on the dashboard, very close and still unfinished deadlines are highlighted and a progress bar is displayed. Users can also delete tasks from the kanban once they are no longer needed.

By making it easy for a user to track their progress and see reminders, this application hopes to better motivate people to finish their plans and organize their time, hence the name: motivately.

Part 2: Interactions

- Write Notes
    - On the dashboard page, locate the Notes section.
    - Type into the text box.
- Add To Do List Item
    - On the dashboard page, locate the To Do List section.
    - Click on the bottom-right add button.
    - Type in the task name in the input box that pops up.
    - Hit ‘Enter’ on the keyboard.
- Check/Uncheck To Do List Item
    - On the dashboard page, locate the To Do List section.
    - Click on the checkbox icon to the left of an item in the to do list.
- Delete To Do List Item
    - On the dashboard page, locate the To Do List section.
    - Click on the trash icon to the right of an item in the to do list.
- Add Kanban Task
    - On the kanban page, locate a stage of the board you would like to add to.
    - Click on the add button at the bottom of the stage.
    - Type in or select all the information as described in the form that pops up.
    - Click the button at the bottom of the form to submit the new task.
- Delete Kanban Task
    - On the kanban page, locate the task you would like to delete.
    - Click on the trash icon on the bottom-right of the task.
- Move Kanban Task to Another Stage
    - On the kanban page, locate the task you would like to move.
    - Drag and drop the task to the stage you desire.

Part 3: External Tool

New External Tool: Vue.js

- Since Vue.js is one of the most popular front-end frameworks, I decided that it would be meaningful to learn it. I was also considering Angular, but a few Google searches revealed that Vue.js is lighter-weight and easier to pick up in the short-term for this assignment.
- I used Vue.js as the overarching framework of my application to initialize all the groundwork parts to build off of. This framework was also used to organize all the components in the application to make it easy to build and run.
- This framework added an MVC structure that made it very easy for me to access and modify specific aspects of the application. It allowed for the creation of

components that could be reused in multiple locations. For each component, it was useful to establish the HTML (with any needed logic), the associated data, props, or methods, and the CSS styling. I was able to install compatible libraries like Bootstrap Vue and Vue Draggable to aid in responsiveness and drag and drop interactions.

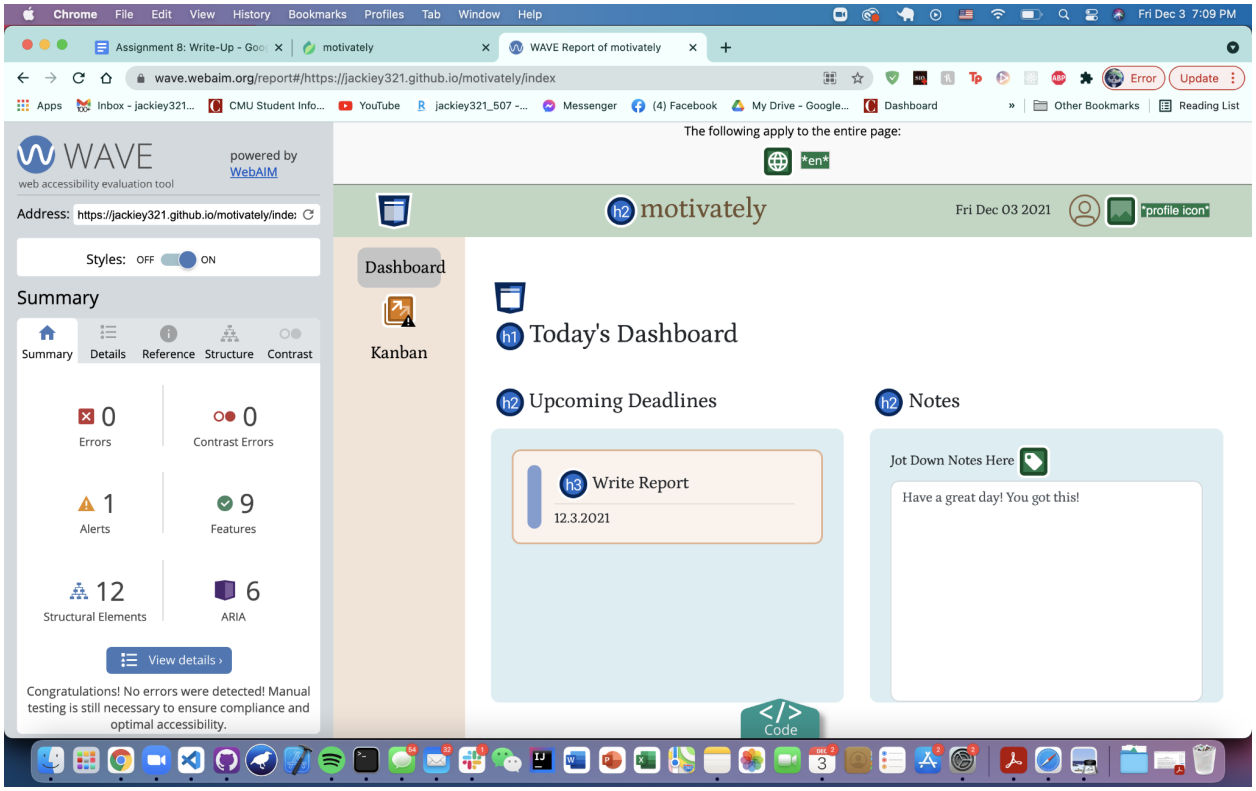
Part 4: Iteration

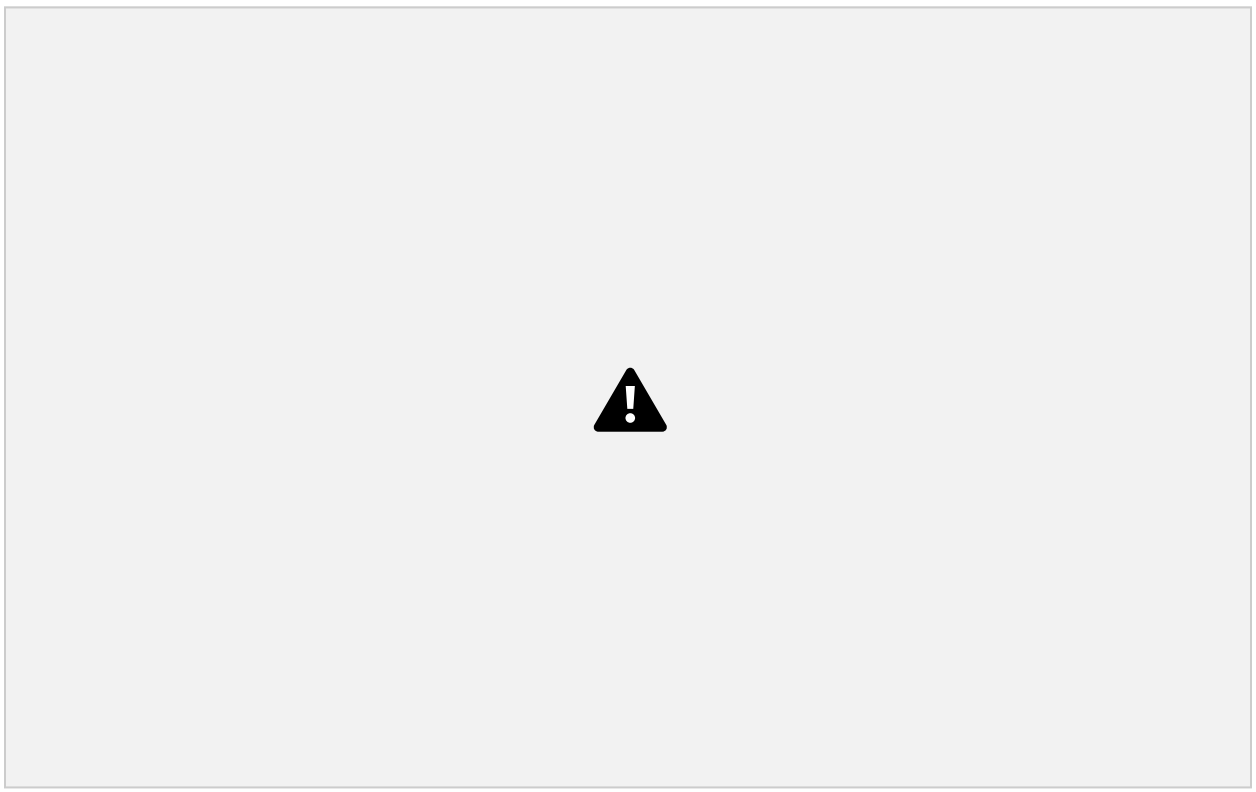
I originally had a third page for a calendar, but I decided to leave it out since using a library would not allow me to showcase my own work and pre-existing calendar applications minimize the usefulness of having one in my application. I subsequently changed the Upcoming Events section that depended on the calendar to be a Notes section instead. Other changes included using delete buttons instead of using drag in drop into an area to delete for simplicity and also including indicators of close deadlines on the kanban board. Due to time constraints, I was not able to make the drag and drop keyboard accessible like I had originally hoped to in my proposal.

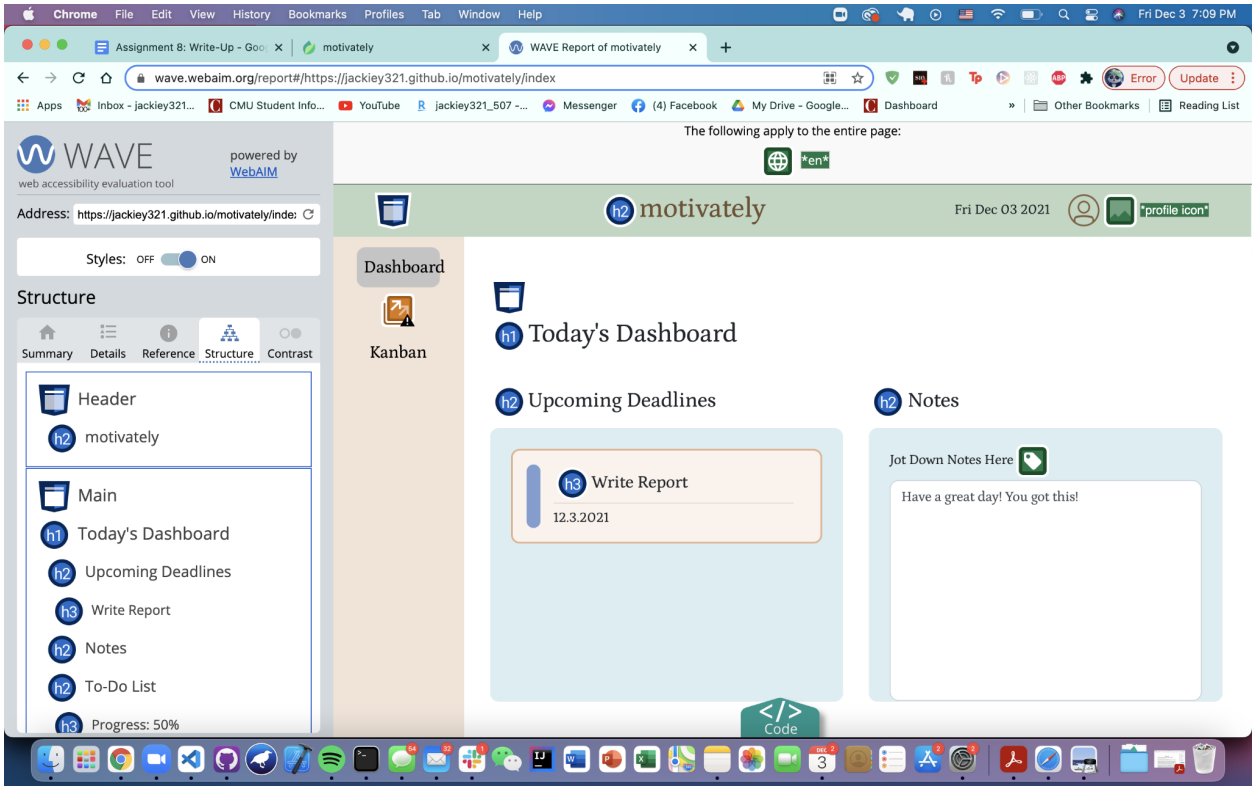
Part 5: Challenges

Since I was using an entirely new framework, I had to spend quite a bit of time looking up documentation and watching some tutorial videos in order for me to start the implementation, get used to the structure of Vue components, and understand how to dynamically update attributes of elements. I also struggled quite a bit in adapting the usual single page application that Vue supports into a multi-page application. I struggled the most with the deployment of my application since the documented instructions did not work smoothly for me. I spent a long time researching online and troubleshooting my errors before I was able to get my site, and then a long time afterwards resolving image path issues with production.

Accessibility Screenshots






Chrome File Edit View History Bookmarks Profiles Tab Window Help
Fri Dec 3 7:09 PM
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motivately
WAVE Report of motivately
wave.webaim.org/report#/https://jackiey321.github.io/motivately/index
Error
Update
Apps
Inbox - jackiey321...
CMU Student Info...
YouTube
jackiey321_507 -...
Messenger
(4) Facebook
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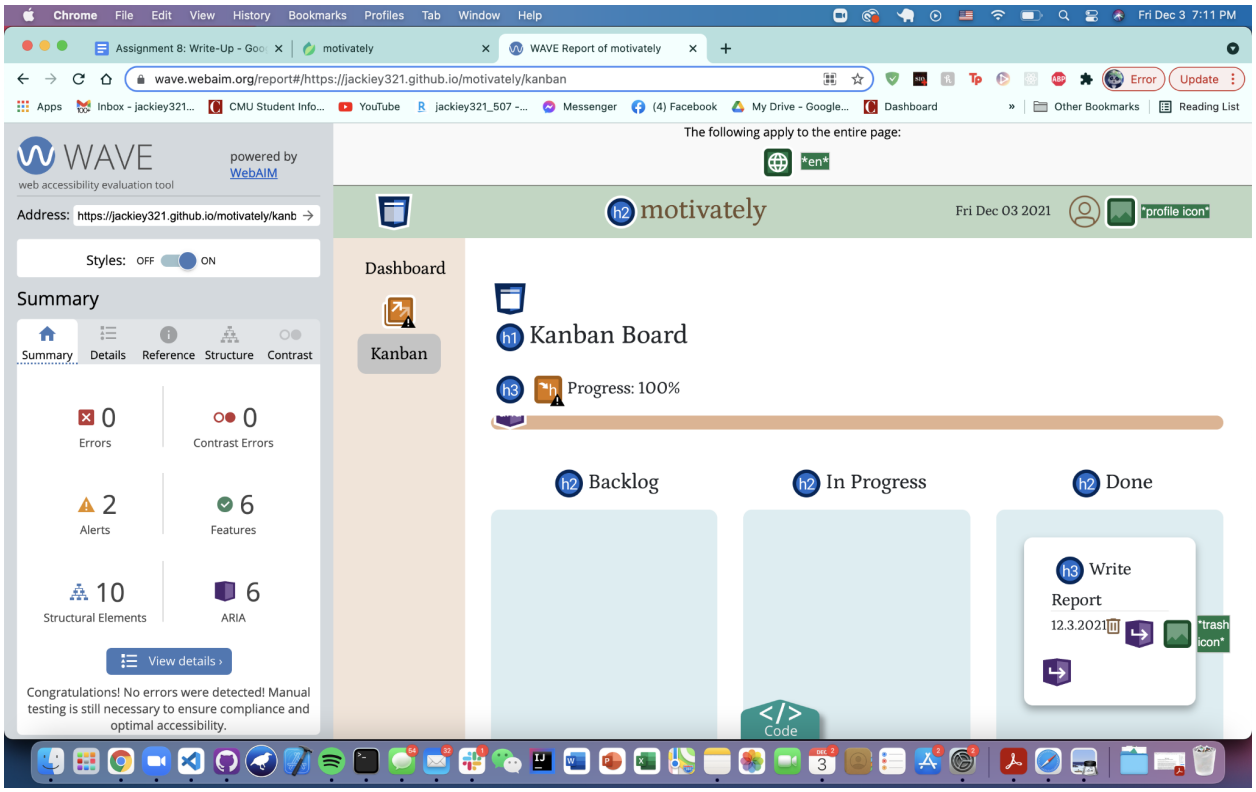
Dashboard
Other Bookmarks
Reading List
WAVE
web accessibility evaluation tool
powered by WebAIM
Address: https://jackiey321.github.io/motivately/inde
Styles: OFF ON
Structure
Summary
Details
Reference
Structure
Contrast
Header
motivately
Main
Today's Dashboard
Upcoming Deadlines
Write Report
Notes
To-Do List
Progress: 50%
The following apply to the entire page:
en
motivately
Fri Dec 03 2021
profile icon
Dashboard
Kanban
Today's Dashboard
Upcoming Deadlines
Write Report
12.3.2021
Notes
Jot Down Notes Here
Have a great day! You got this!
Code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My Drive - Google...
Dashboard
Other Bookmarks
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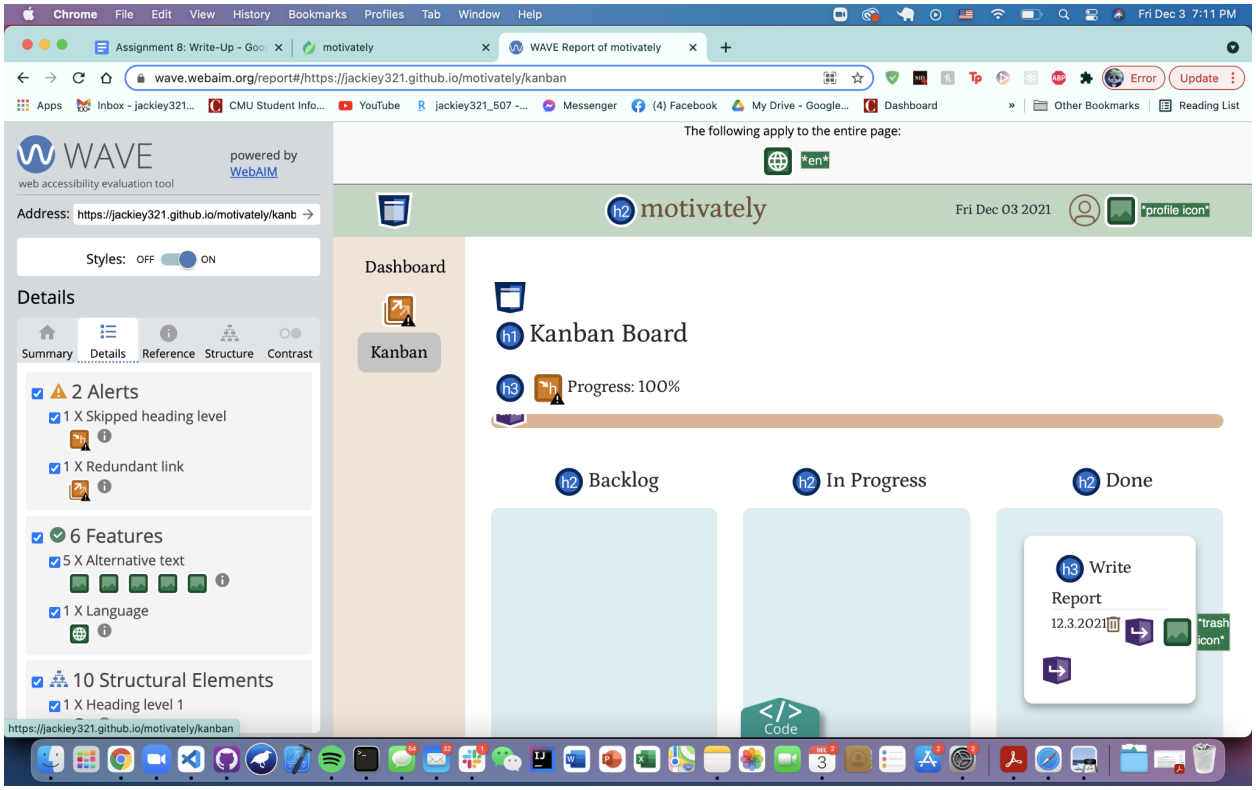
WAVE
web accessibility evaluation tool
powered by WebAIM
Address: https://jackiey321.github.io/motivately/kanb
Styles: OFF ON
Summary
Summary
Details
Reference
Structure
Contrast
0
Errors
0
Contrast Errors
2
Alerts
6
Features
10
Structural Elements
6
ARIA
View details
Congratulations! No errors were detected! Manual testing is still necessary to ensure compliance and optimal accessibility.
The following apply to the entire page:
en
motivately
Fri Dec 03 2021
profile icon
Dashboard
Kanban
Kanban Board
Progress: 100%
Backlog
In Progress
Done
Write Report
12.3.2021
trash icon
Code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Styles: OFF ON
Details
Summary
Details
Reference
Structure
Contrast
2 Alerts
1 X Skipped heading level
1 X Redundant link
6 Features
5 X Alternative text
1 X Language
10 Structural Elements
1 X Heading level 1
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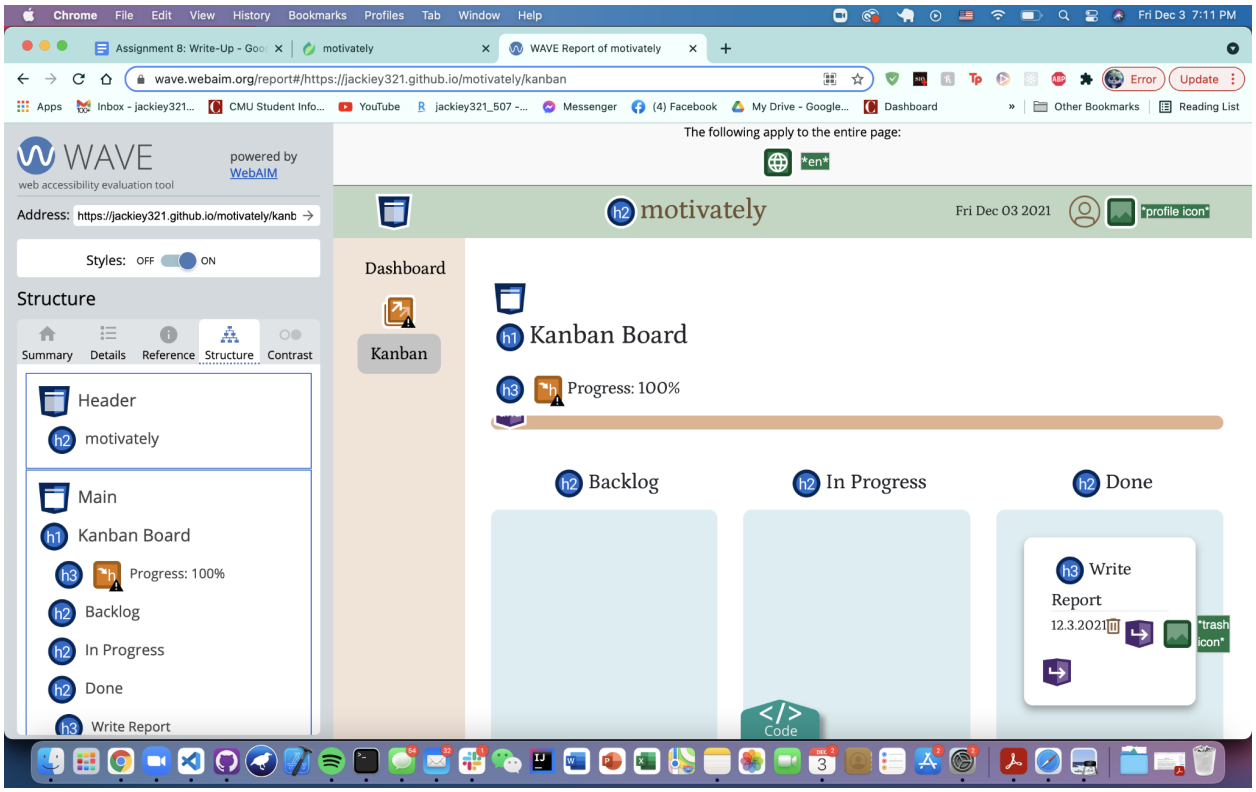
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