

Part 1

The purpose of my website is to provide a study tool to students. In the website, users are able to input their questions and answers to create flashcards that have the question on one side and the answer on the other. When users click on the card, it will animate and flip to showcase the answer. Users are also able to view the questions and answers in a list view that has an infinite scroll so their studying is not interrupted.

When users go to the landing page of the website, the only button that is available is the “start learning” button, indicating to the user what task and goal they should have when entering the site. The title “Quiz Craze” also signals to the user what the objective of the site is.

When users click on “start studying,” they are brought to the Study Set page, where users may create categories for their flashcards. By clicking the “+” button, users are able to input a title and add a cute image to differentiate their sets. By allowing users to customize their sets, they will be more engaged and feel more connected to the study sets they are creating. By having the share feature on the study set page and the hint feature on the flashcard view, users are encouraged to feel less alone when studying. By allowing them to customize, share their study sets, and have hints about what the answers are, the site is intended to decrease apprehension and anxiety when studying.

The website is responsive to most screen sizes, but for optimal observance, please view at 1368x912 and 1280x800.

Part 2

Landing Page

- Click on the “start learning” button on the landing page to get to the study set page

Study Set Page

- Click on the + button to create and save a new group of study questions
- Click on the external icon to select and share a study set
 - This pop-up is hard coded and cannot actually be shared, please click cancel
- Click on trash can icon to delete a study set
 - PUI and UCRE sets are default and cannot be deleted

- The mouse arrow becomes a hand cursor over any part of the individual study sets. Click anywhere on the set to enter.

Flashcard View

- Click on hint to reveal the latter portion of the answer the user imputed
- Click on a card to flip and see the answer
- Click on the trashcan icon to delete a card
- Click on the + to add another card
- Click on the list icon to enter the list view
- Click back arrow in the upper left corner to return to the study set page

List View

- Click on the + button to add another card
 - This same card will be added to the flashcard view of the same set
- Click on the double card icon to re-enter the flashcard view
- Click back arrow in the upper left corner to return to the study set page

Part 3

- jQuery
 - I chose this tool because it shortens the amount of Javascript code lines I would have to write. By shortening the Javascript code, I felt that it would be easier for me to read and debug.
 - I used this tool to manipulate classes and events. I also used it to make the Javascript functions easier for me to understand.
 - It doesn't add anything visually to the website, but it allowed me to manipulate the DOM in a more cohesive way. I was able to read through my code in a more efficient way as well.
- Animate.css
 - I chose this tool because it makes animating elements easier.
 - I used Javascript and jQuery to add the Animate.css classes through events.
 - It allowed me to add the flipping animation to the flashcards.


Part 4

For all the pages, the external link, flashcard view, and list view icons are horizontal instead of vertical like the prototype because I realized it was a much easier div structure if the icons were horizontal. I also made the + button for adding new sets at the top of the screen with the external link button for more consistency and easier CSS styling. From the study set page, I removed the select hyperlink and made the entire study set clickable for more accessibility to the user. I changed the font and “start learning” button colors to reduce low contrast and to create more visual accessibility. Instead of a “how many terms learned” counter, I replaced it with a hint button that reveals the last half of the answer. The largest change I made was the flashcard view. Instead of having the flashcards appear individually on one page, I changed the layout to allow multiple on the same page. By doing this, the flashcard view would not have to rely on local storage to keep the flashcards in order.

Part 5

Some components were more difficult to use with local storage, such as creating the check box counter and dynamically creating new HTML files. For the flashcards, there was a challenge in using the “this” keyword since all the flashcards shared the same classes. I need to figure out how to use the “this” keyword so my events didn’t affect all flashcards.

Wave Summary and Details



powered by
WebAIM

web accessibility evaluation tool

Address: <https://lgchen1.github.io/pui-hw-lgchen/flashcards/>

Styles: OFF ☒ ON

Summary

0

Errors

0

Contrast Errors

1

Alerts

3

Features

1

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:




Quiz Craze



Start Learning



"Person learning flashcards"



powered by
WebAIM

web accessibility evaluation tool

Address: <https://lgchen1.github.io/pui-hw-lgchen/flashcards/>

CMU Handshake
<https://cmu.joinhandshake.com/study>

Styles: OFF ☒ ON

Details

1 Alerts

1 X No page regions

3 Features

1 X Alternative text

1 X Form label


1 X Language

1 Structural Elements


1 X Heading level 1

If an icon does not appear within the page, turn off Styles above to view it.


The following apply to the entire page:



Quiz Craze



Start Learning



"Person learning flashcards"

WAVE powered by WebAIM
web accessibility evaluation tool

Address: <https://lgchen1.github.io/pui-hw-lgchen/flas>

Styles: OFF ☒ ON

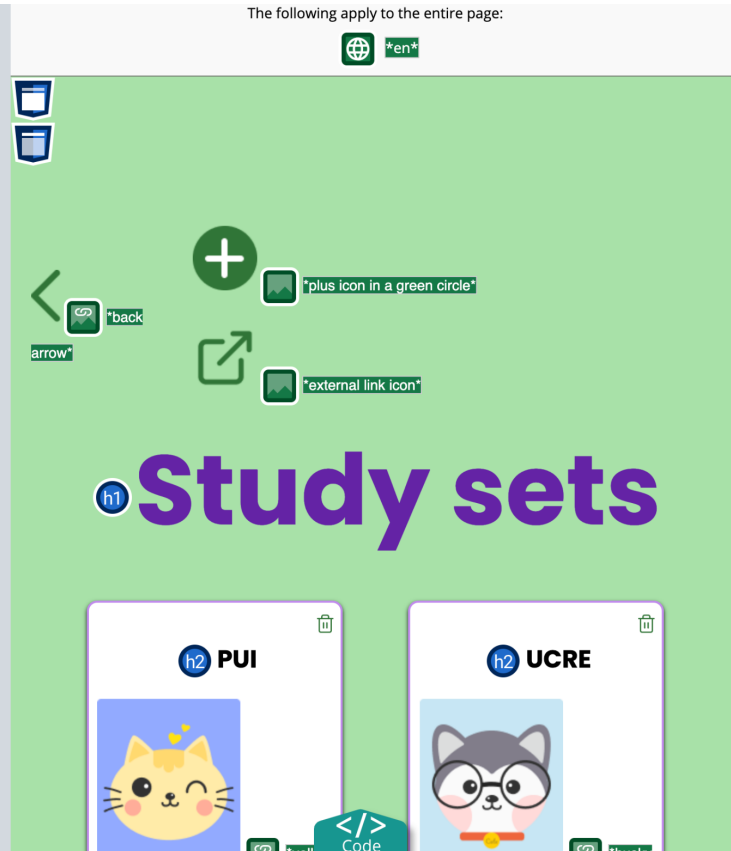
Summary

Summary Details Reference Order Structure Contrast

| | |
|--------------------------|----------------------|
| 0 Errors | 0 Contrast Errors |
| 11 Alerts | 17 Features |
| 8 Structural Elements | 0 ARIA |

[View details >](#)

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



WAVE powered by WebAIM
web accessibility evaluation tool

Address: <https://lgchen1.github.io/pui-hw-lgchen/flas>

Styles: OFF ☒ ON

Details

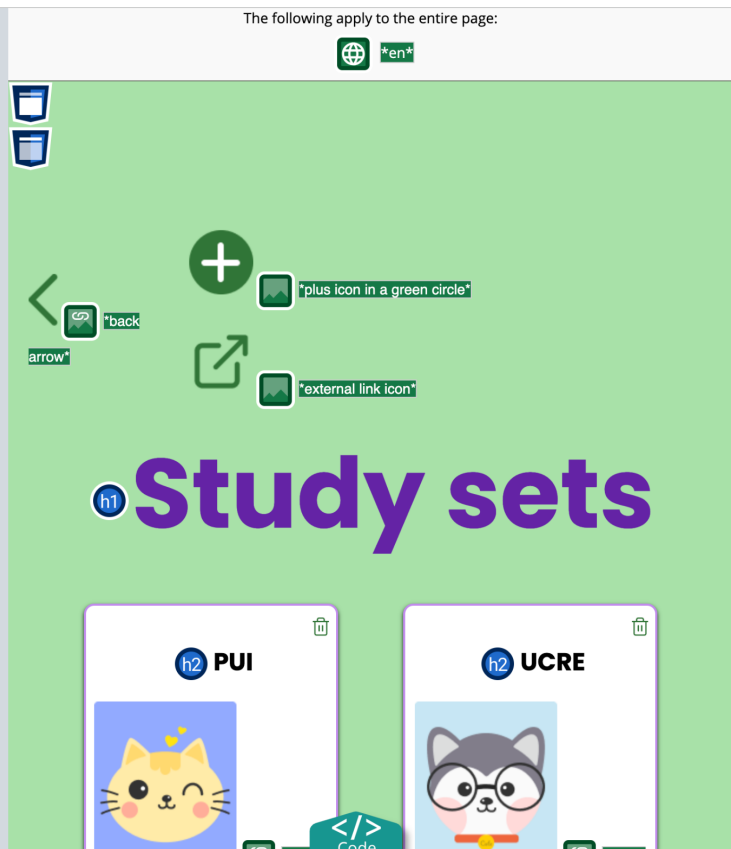
Summary Details Reference Order Structure Contrast


11 Alerts

- 1 X Select missing label
- 3 X Orphaned form label
- 6 X Device dependent event handler
- 1 X Underlined text

17 Features

- 12 X Alternative text
- 3 X Linked image with alternative text
- 1 X Form label





WAVE

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Styles: OFF ☐ ON ☒

Summary

Summary


Details

Reference


Order

Structure


Contrast

 0


Errors

 0


Contrast Errors

 0


Alerts

 6

Features

 6

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*


  *back

  *plus icon in a green circle*


  *flash card view

 arrow*


 icon*



PUI



0 items



WAVE

web accessibility evaluation tool

powered by
[WebAIM](#)

Address: <https://lgchen1.github.io/pui-hw-lgchen/flas>

Styles: OFF ☐ ON ☒

Details

Summary



Details


Reference


Order


Structure


Contrast


  6 Features


 1 X Alternative text


 2 X Linked image with alternative text


 2 X Form label

 1 X Language


 6 Structural Elements



 1 X Heading level 1



 3 X Heading level 2



 1 X Header


The following apply to the entire page:


 *en*


  *back

  *plus icon in a green circle*


  *flash card view

 arrow*

 icon*



PUI



0 items