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Group 3
Lab 8 – Accessibility Individual Work

1) Browse/interact with the website several times, each time using one of the following conditions, each simulating a different disability.

Using screen-reader software:

- No landmark region roles: <https://dequeuniversity.com/assets/html/jquery-summit/html5/slides/landmarks.html>
- “Add Funds” “Check New Card” read together, not clear which one you’re on
- Pressing down arrow from add funds amount doesn’t go to “Add” button
- Can’t tab from Exp Date to “Submit Order” button, leaving input mode and down arrow works

Color-blindness simulator:

Deuteranopia (Common): invalid (**red**) looks like a dark **gray/green**, valid (**green**) looks like a brighter yellow

- The colors are still discernable, but do not pop as much as the **red/green** color scheme.

Protanopia (Rare): invalid (**red**) looks like a dark **gray/black**, valid (**green**) looks like a brighter **yellow-green** (easier to see on the site contrasted against the light blue background)

- Similar to above. The colors are still discernable, but do not pop as much as the **red/green** color scheme, and pop less than above.

Tritanopia (Very Rare): invalid (**red**) displays correctly, valid (**green**) displays as **blue**

- Works just like the original color scheme, except valid css color changes. The **blue** still pops against the light blue background.

Summary: **valid/invalid fields can be distinguished, though not as clearly in most cases**

Sitting ten feet away from the monitor: (with 20/20 vision)

- “p2”, “th”, and “td” text may appear small. This can already be assuaged by zooming in the page without any resulting issues.
- Header bar links, “h2” text and buttons can still be seen clearly from afar.

With the volume turned off: (not applicable)

**The site does not provide any auditory feedback, nor asks users to listen for any information.

With the mouse removed from the computer, or disabling the touch pad in a laptop:

Home page:

- Can’t tab onto the “View My Card” button, but can tab onto the “My Card” link on the header which is equivalent.

My Card page, initial screen:

- MetroCard Number field does not tab to “View My Card” button.

My Card page, MetroCard balance summary screen:

- Can’t Tab onto “Add Funds” or “Check New Card” buttons on the MetroCard balance summary screen.

My Card page, Add Funds screen:

- Can Tab into the custom amount field on the Add Funds screen, but not onto the preset button choices. A keyboard-only user can still enter their desired amount in this field.
- Can’t Tab from that field onto the “Add” button to proceed to billing info.

Billing Information screen:

- Can tab from header links into the form, and then through all fields.
- Can’t tab onto “Submit Order” button.

Summary: **custom buttons cannot be tabbed onto**

2) Check your site using the W3C Easy Checks review (<https://www.w3.org/WAI/test-evaluate/preliminary/>). Make a list of any problems/changes recommended by the check.

- <title> field is empty
- Images do not have alt-text
- Headings start from h2 instead of h1
- Poor contrast (according to IE WAT)
 - #FFFFFF on #ffffff, although this seems like a code error or IE WAT error, rather than a visual problem. No white text lies on a white background.
- Text-only zoom:
 - All text gets larger
 - My Card page, Add Funds screen: chosen dollar amount and “Add” button are side by side, and upon extreme zoom the amount goes under the bottom (content overlap).
 - Support page: Bottom of content gets cropped, css height mistake
- **Keyboard access and visual focus: tested already, problems noted
- Labels checks:
 - No ‘label’ markup
 - ‘for’ markup only on custom add funds amount field
 - Custom add fund amount has unclear id (input1)
 - Many <p> tags with repeated id “p2”