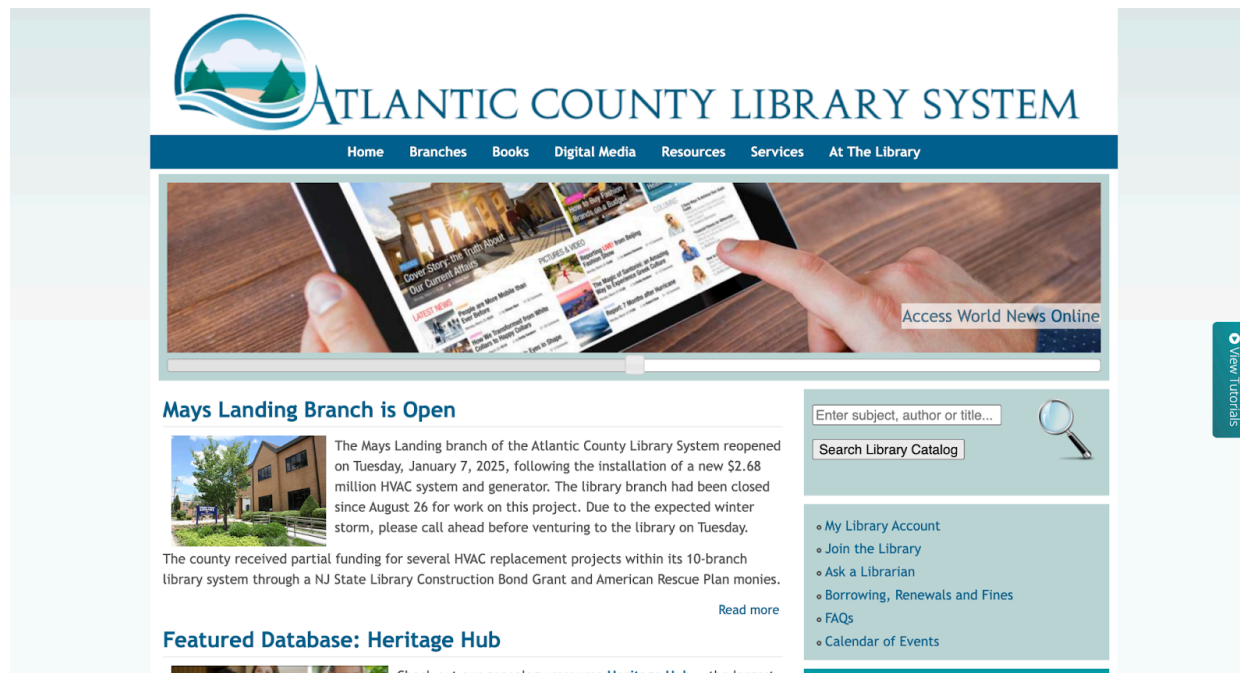


## Part 1: Identifying Usability Problems



<https://www.atlanticlibrary.org/>

I chose this website because it is my local library system's site. Growing up, I used to visit this site every week to check if certain books were available at my library branch or if I needed to put something on hold.

### Finding Problems

- Efficiency
  - It is hard to see the "Search Library Catalog" bar
  - There is a lot of information presented on the screen
    - This can divert attention away from what the user is looking for
  - There are also items that are pretty repetitive
    - Eg. multiple "Upcoming Events" sections
- Learnability
  - There is a lot of information presented on the screen
    - This can make people confused when you see the site originally
  - It would take me a couple of look-thoughts to see the "Search Library Catalog" bar
- Memorability
  - Not very memorable
  - Website is pretty generic
- Conceptual Model
  - The amount of information is very overwhelming

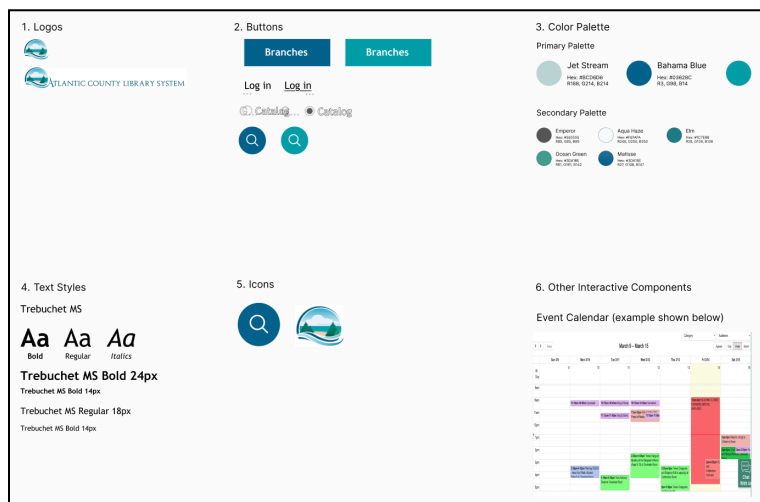
- Search bar off to the side is confusing
- Multiple search bars is also confusing

### **Accessibility Problems found through WAIVE:**

After putting the link into WAVE, there were 21 errors, 75 alerts, and 8 contrast errors. After looking through the details of those errors, I fully agree with all of the errors and most of the alerts, especially the ones talking about empty links and redundant titles and text. I was also made aware of a lot of images and titles missing alternative text, which was very helpful.

## **Part 2: Visual Redesign**

### **Visual Design Style Guide**

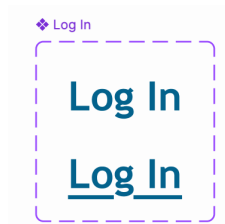
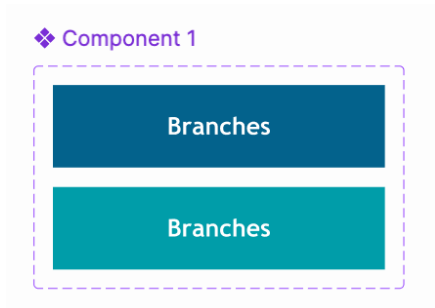


## **Mockups**

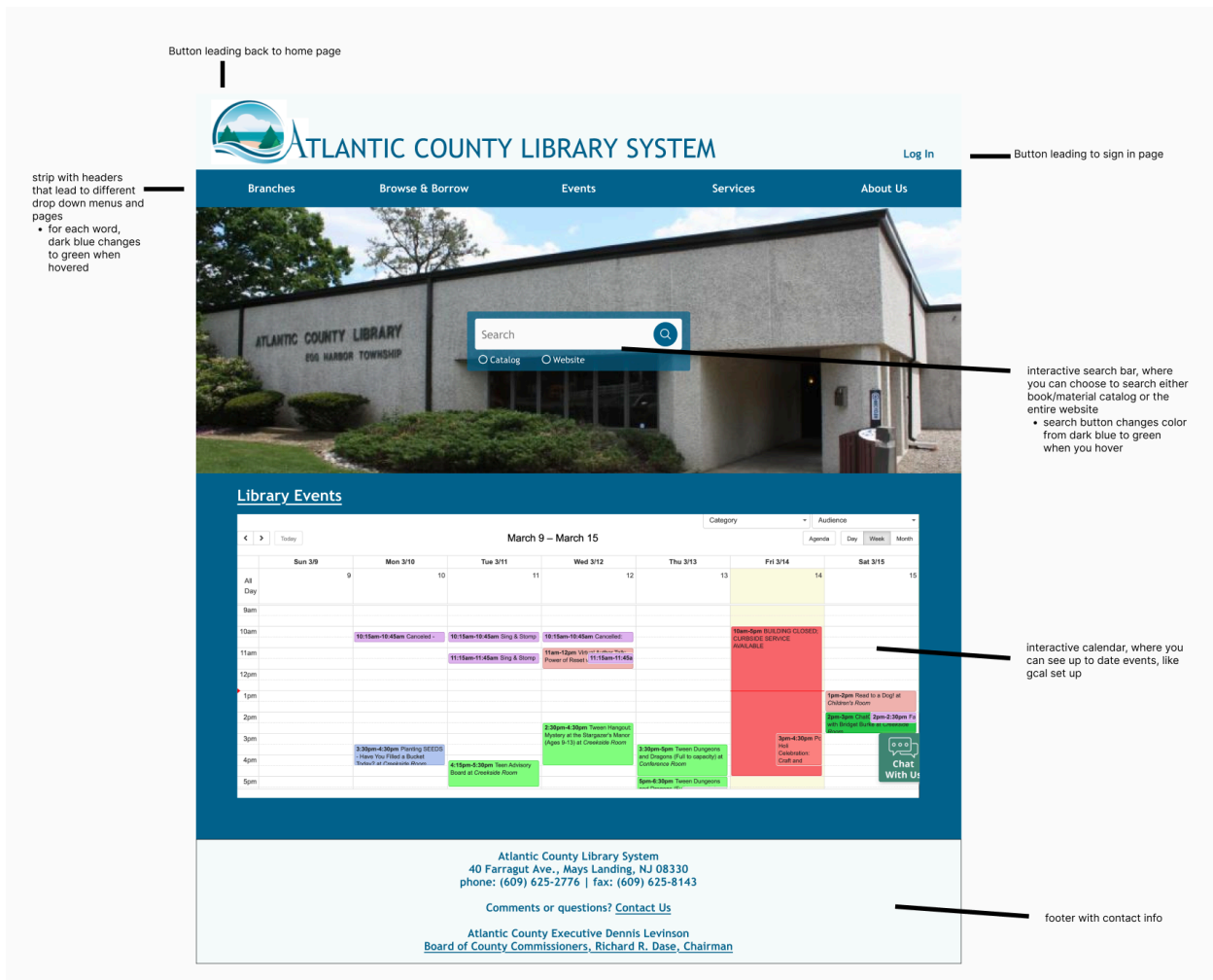
### **For everything on the site**

- Width for all elements 100%
- Flexbox layout, for simplicity and easy readability/learnability
- Homepage simplified for easy readability, changes include:
  - kept color scheme, font, and important headers from or
  - Removed 'home' header because logo is now responsive button
  - added log in to top for easy readability
  - combined the search bars into one and made it the focal point of the page
  - made an interactive calendar for events so they are all in one spot and can see availability very easily

### **Interactive components**



## 1. Macbook Pro 16 in.



## 2. iPad Pro

### \*\*\*For smaller than mac size\*\*\*

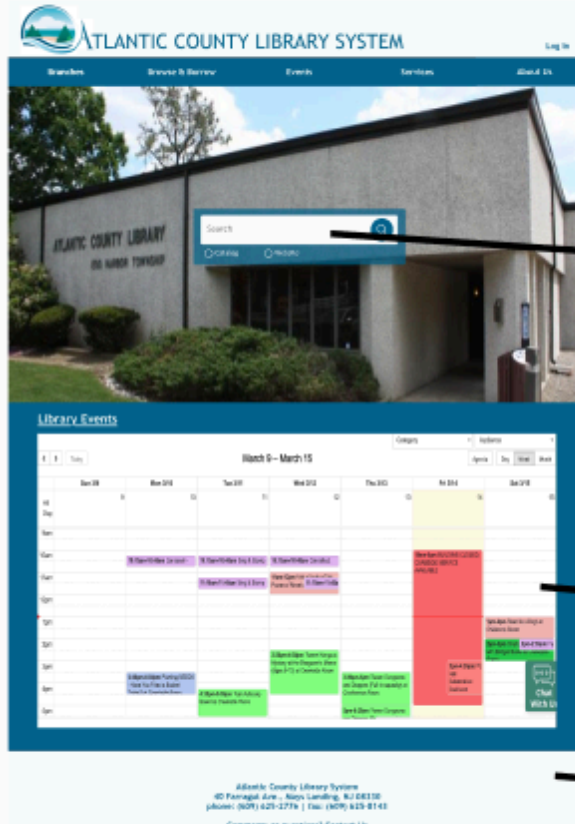
- Searchbar component and photo behind it becomes focal point of page and grows in screen %
- Text get smaller based on percentage of scale down

Button leading back to home page

ipad

strip with headers that lead to different drop down menus and pages

- for each word, dark blue changes to green when hovered



Button leading to sign in page

interactive search bar, where you can choose to search either book/material catalog or the entire website

- search button changes color from dark blue to green when you hover

interactive calendar, where you can see up to date events, like gcal set up

footer with contact info

### 3. Iphone

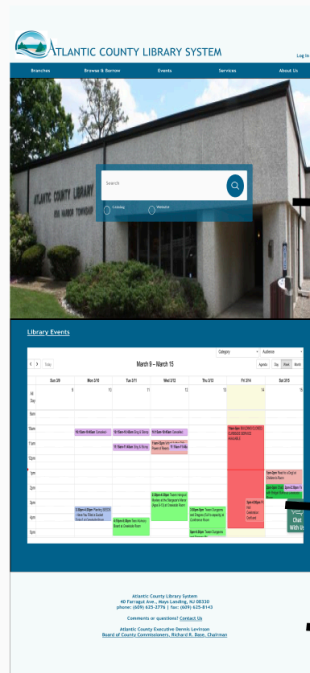
Button leading back  
to home page

iPhone 16 - 1

strip with headers  
that lead to  
different drop down  
menus and pages

- for each word,  
dark blue  
changes to  
green when  
hovered

Button leading to  
sign in page



interactive search  
bar, where you can  
choose to search  
either book/material  
catalog or the entire  
website

- search button  
changes color  
from dark blue to  
green when you  
hover

interactive calendar, where you can see  
up to date events, like gcal set up

footer with contact  
info