EE / CprE / SE 491 – sddec23-11

HOME FINDER

Week 9 Report

04/10/2023 – 04/16/2023
Client: Dr. Bigelow
Faculty Advisor: Dr. Bigelow

Team Members:

Christian Boughton – Team Member
Daniel Chrisman – Team Member
Ella Knott – Team Member
Lith Almadani – Team Member
Michael Wieland – Team Member

Summary

The overall objective for this week was to begin working on the responsiveness of the web application and move the design elements to ensure universality across platforms.
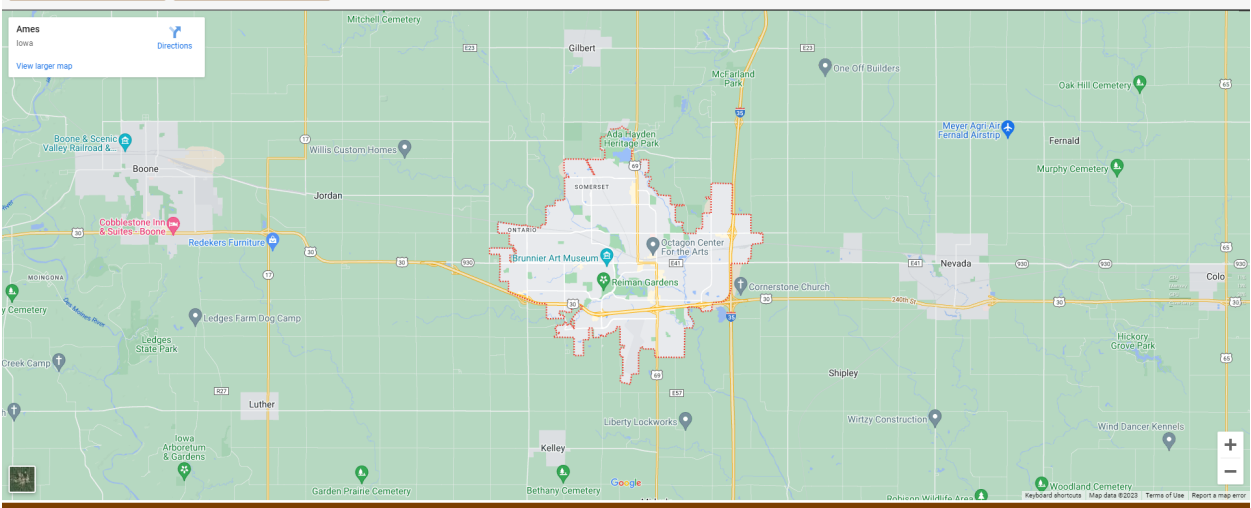
Past Week Accomplishments

- Web design progress
    - We implemented a grid pattern for structuring our webpage. This allows us to insert elements in a modular fashion and implement breaks.
    - We implemented best coding practices to preselect layouts for different device widths. This allows us to modify our grid and utilize breaks to send elements to new lines or cover more of the screen when the size is reduced.
    - Also, following best practices, we redesigned the website to be mobile-first, meaning it is optimized for use on mobile devices. This will reduce overhead for those on a cellular network and take advantage of Google's search engine. Google search engines prioritize websites that are designed mobile-first.
    - The drop-down location for showing entered items has been moved to the left side of the screen when shown.
    - The dropdown has been reformatted to take all inputs and a removal button and store them in a single <li> element line. This increases the visual design and eliminates redundant code.
    - The map shrinks and grows based on displayed elements to ensure uninterrupted viewing.

PC Use

HOME FINDER   help   about

Location... | Visits Per Week... | add   show   submit

Ames
Iowa
Directions
View larger map

Home Finder(v3)

HOME FINDER   help   about
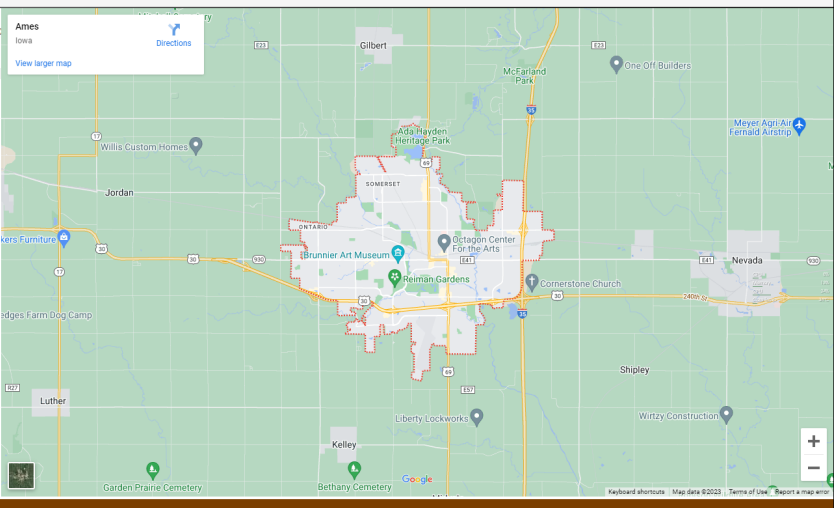
Location... | Visits Per Week... | add   show   submit
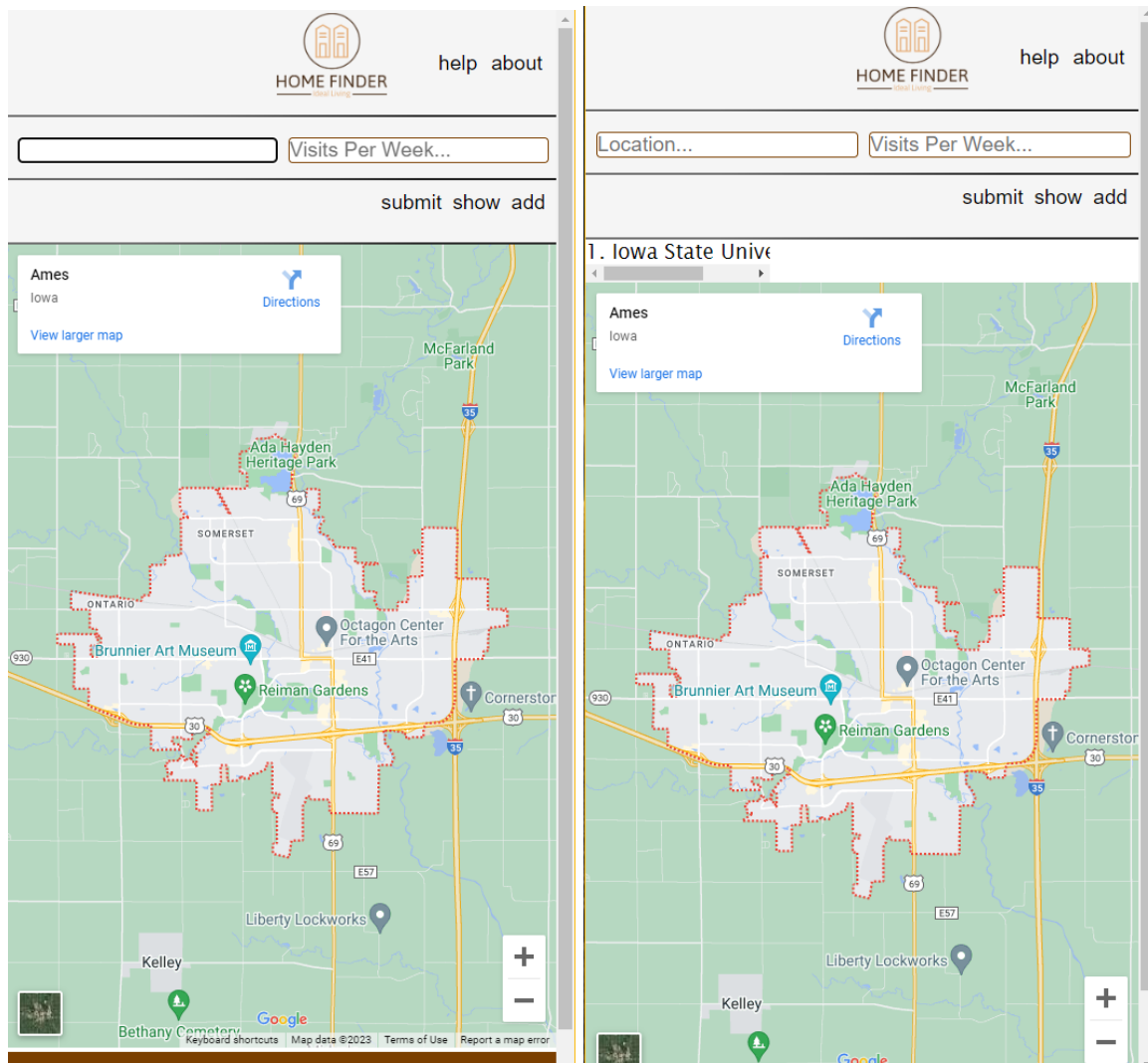
1. Iowa State University 5x
2. My very long home address 1234 plain Dr. Des Moines, 12345 20:
3. another location 1x
4. and yet another location 1x

Ames
Iowa
Directions
View larger map

Home Finder(v3)

Mobile Use

Pending Issues

- Web design is missing some APIs that allow full functionality.
- Animate the Show button to switch to Hide after clicking.
- The landscape view for large mobile devices does not move the header border far enough down and creates a strike through the button grouping. This does not affect functionality but looks bad We plan to revise our scaling to address this issue.
- Move CSS, HTML, PHP, and JS into individual files instead of remaining in one This will allow us to use styled elements and functions across internal webpages without repeating code.
- Input location dropdown on the small screen still only takes up 33.33% of the screen after changing the grid element to 100% width wasting space.

Individual Contributions

Name	Contributions	Hours this week	Hours cumulative
Christian Boughton	Researched available APIs. Planning and design.	8	61
Daniel Chrisman	Planning and design	8	58
Ella Knott	Set up an initial meeting with the client. Planning and design.	8	47
Lith Almadani	Planning and design	8	58
Michael Wieland	Planning and design	8	58

Plans for the Upcoming Week

- Animate the Show button to switch to Hide after clicking
- The landscape view for large mobile devices does not move the header border far enough down and creates a strike through the button grouping. This does not affect functionality but looks bad We plan to revise our scaling to address this issue.
- Move CSS, HTML, PHP, and JS into individual files instead of remaining in one. This will allow us to use styled elements and functions across internal web pages without repeating code.
- Fix the input location dropdown for small screens (mobile phones) to occupy 100% width.