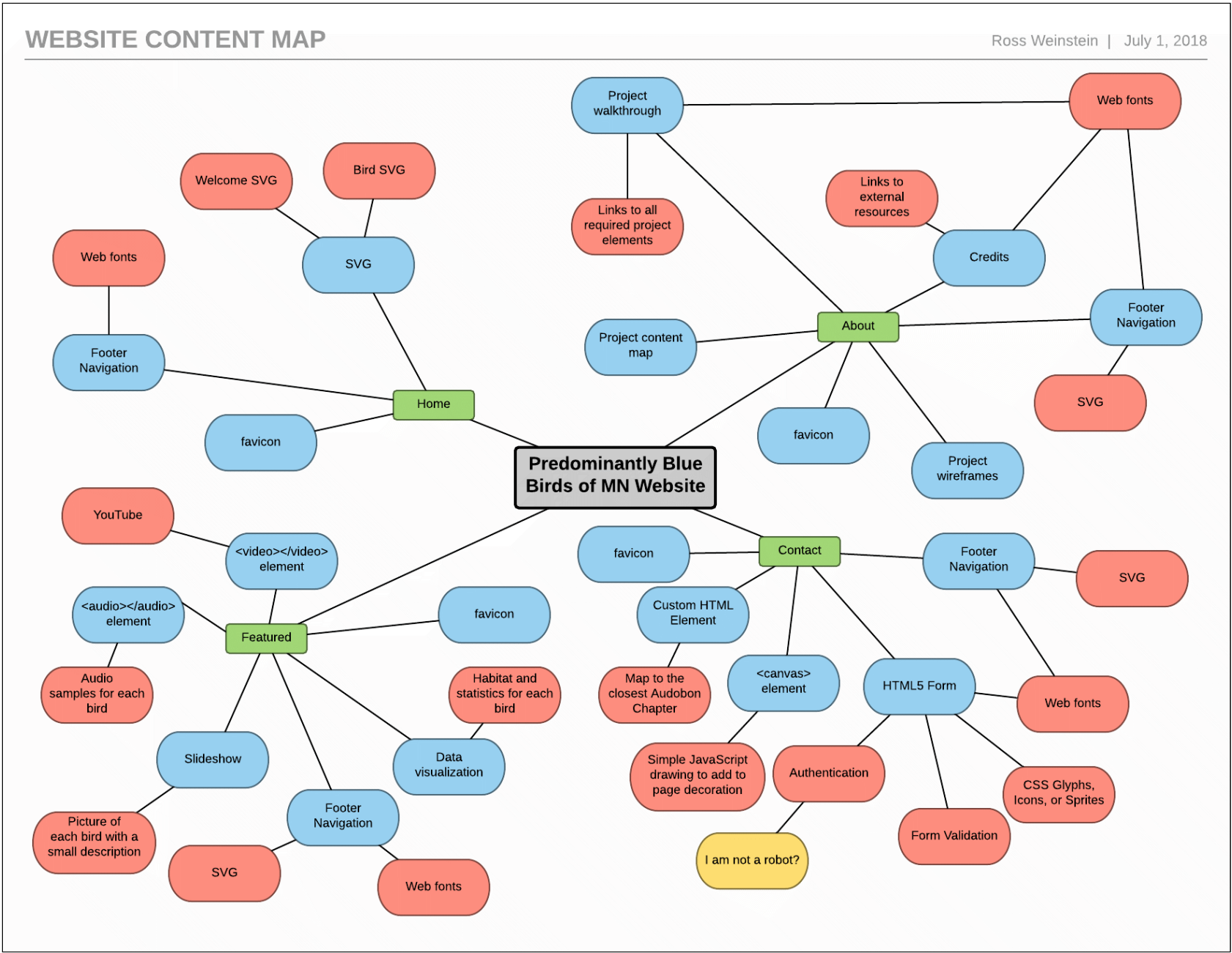


About Page

This page displays the various project deliverables throughout the semester as well as sections to describe how I fulfilled the different project requirements and resources used.

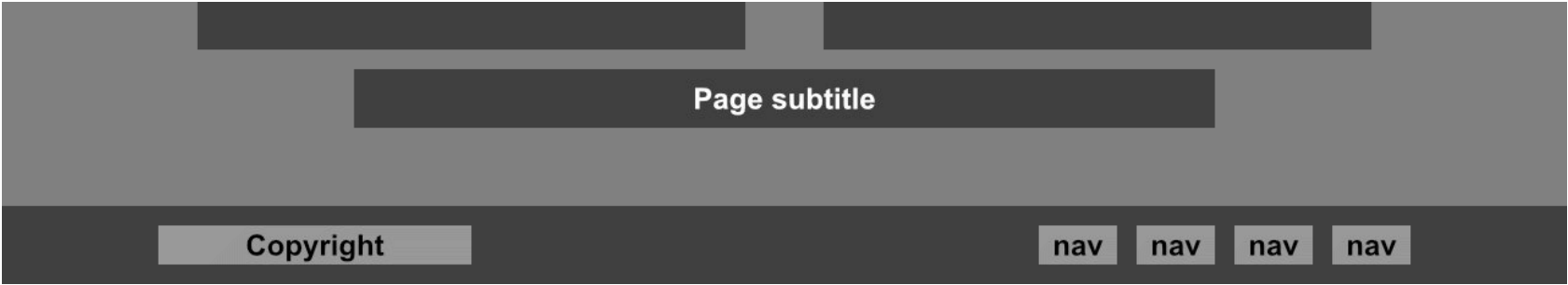
Content Map



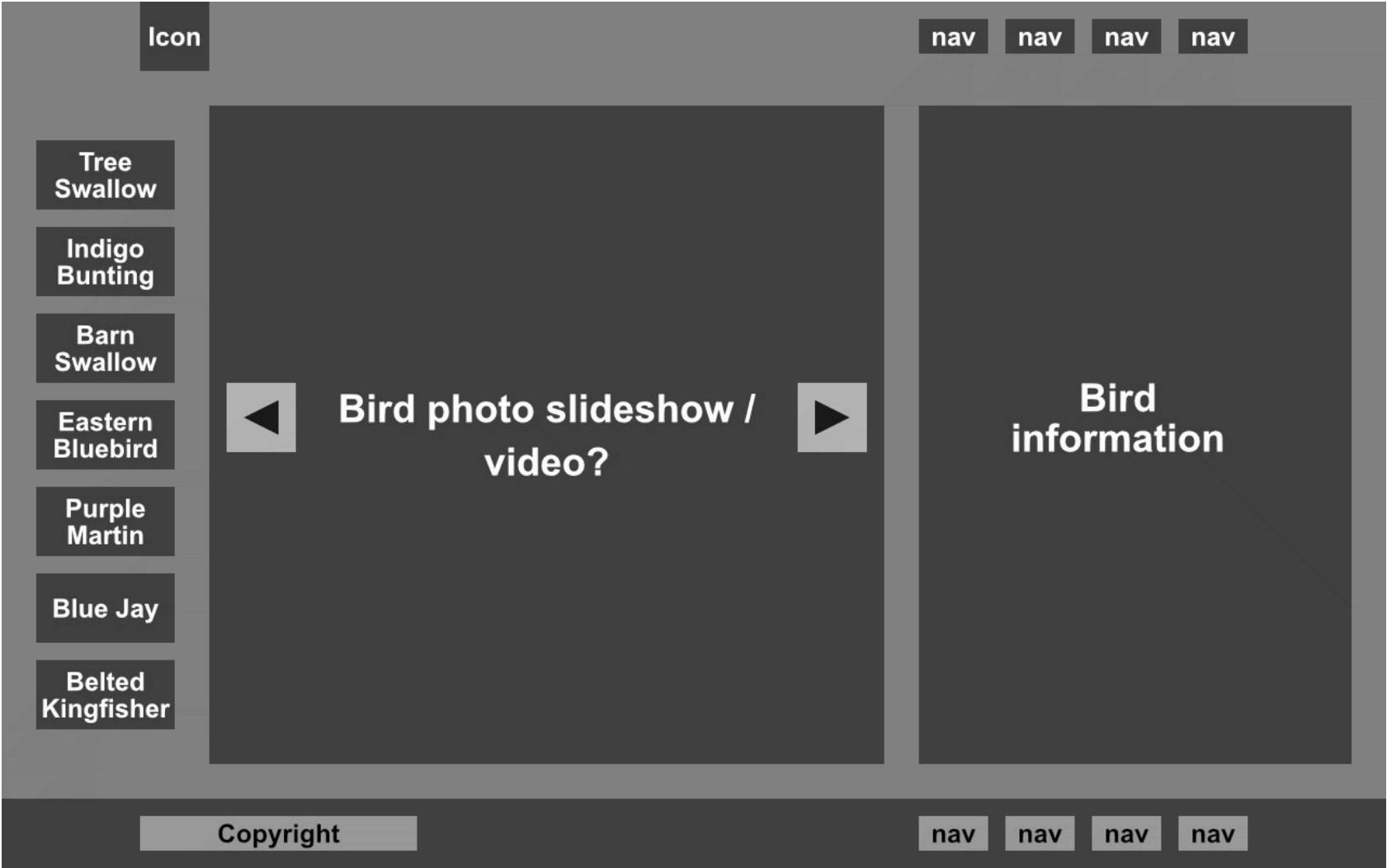
Wireframes

Home Page

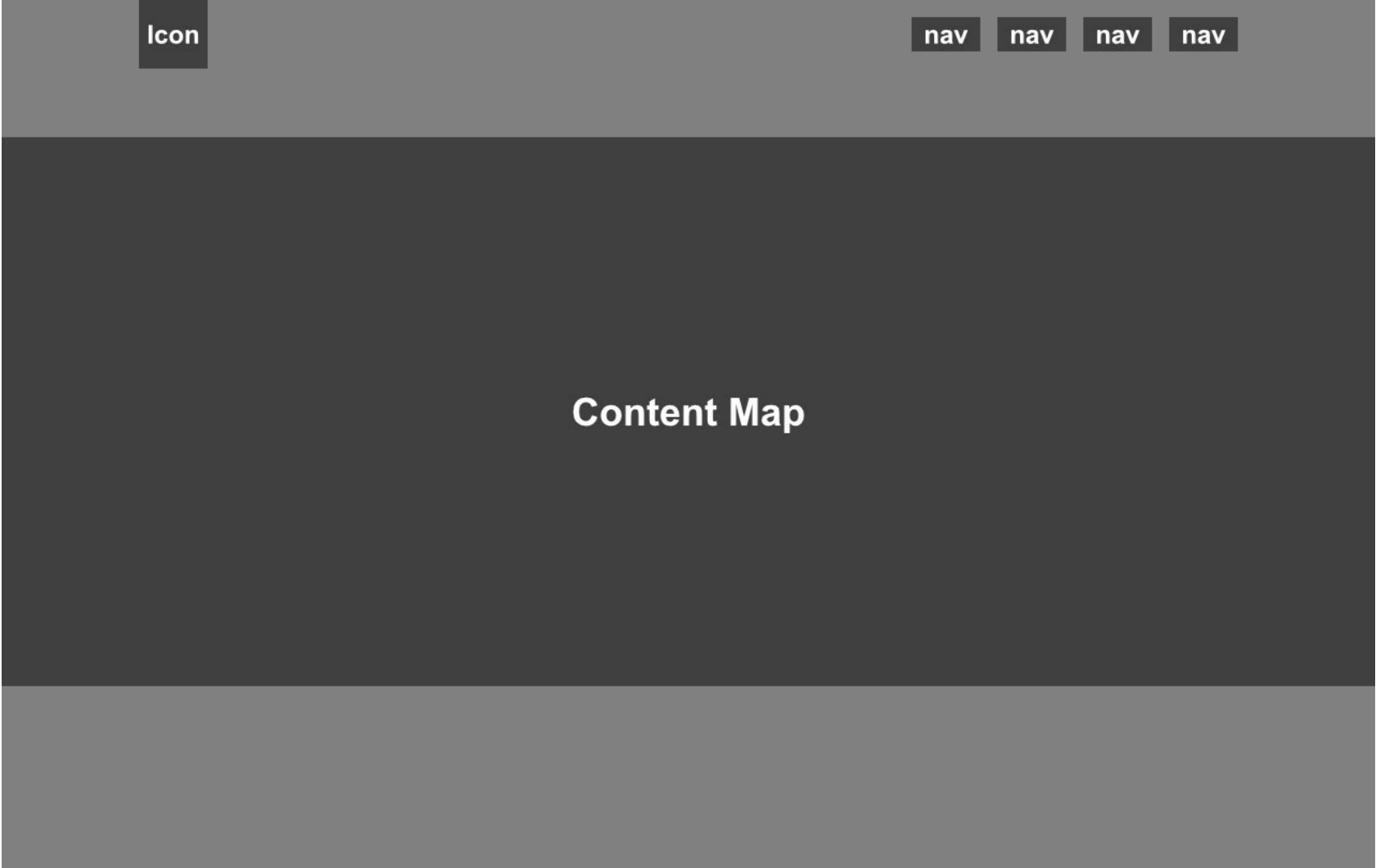




Featured Page

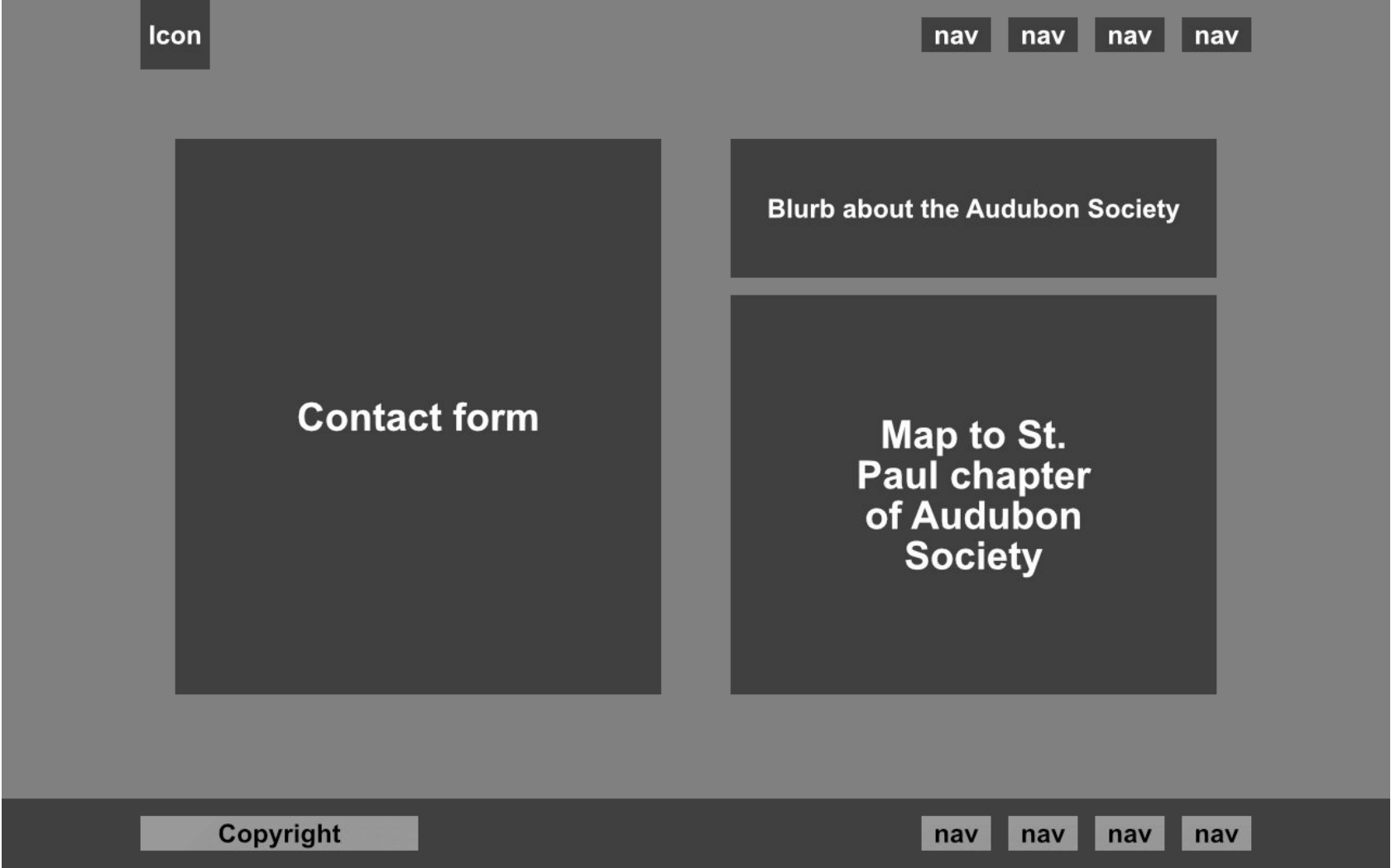


About Page





Contact Page



Walkthrough

Content Map: Displayed in the 'Content Map' section of the [About](#) page.

Wireframe: Displayed in the 'Wireframes' section of the [About](#) page.

Home, About, Featured, & Contact Sections: Site is divided into these four sections.

Unique favicon:  Displayed in the browser tab.

CSS Glyphs, Icons or Sprites: I used icons throughout the website. I drew SVG icons for each bird which are displayed in the dropdown menu in the [Featured](#) page. There are icons displayed in the 'Credits' section for certain resources in the [About](#) page. I also used Glyphs to display the copyright symbol ©.

An instance of the video element: I included a video about the Audubon Society on the [Contact](#) page.

An instance of the audio element: I included audio clips of each bird on the [Featured](#) page. Citations can be found in the 'Credits' section.

An implementation of a slideshow: The [Featured](#) page uses a slideshow to display the various blue birds of Minnesota. The slideshow is controlled by left and right arrows that are situated on the left and right side of the bird information panel.

Web fonts: This site uses the [Merriweather](#), [Raleway](#), and [Open Sans](#) fonts from [Google Fonts](#).

An instance of the canvas element: I used a canvas element in the [Admin](#) page to display the monthly email list signups.

An instance of the SVG element: There are two instances of SVG elements in this website: the bird silhouettes found on the [Featured](#) page, and the white bird icon found in the website's navigation bar.

HTML5 form input validation: On the [Contact](#) page, the form requires that a person fills out at least their first name and provide a valid email before they are allowed to click the submit button.

JSON for data interchange: On the [Featured](#) page, the link to the bird photo and its information is all stored in a JSON file (bird-info.json). When someone changes the bird they are viewing, this information is loaded from the JSON file to the page. I also used JSON on the [Contact](#) page for form submission to SQLite.

Footer navigation: Every page implements footer navigation.

Server-side persistent storage: When someone fills out the contact form on the [Contact](#) page, their information is stored in a SQLite database. This information can only be seen on the [Admin](#) page.

Data visualization: On the [Admin](#) page, I used Chart.js to display the monthly email list signups as a line graph.

An instance of a Custom Elements: On the [Contact](#) page, I used the Google Maps custom element to display the meeting location of the St. Paul chapter of the Audubon Society.

Include an implementation of authentication: This site has an [Admin](#) page where you can see all the emails that have been collected. There is a required username and password to be admitted to this page. The credentials are username=*bluebirds* and password=*ilikebirds*.

About page includes a Credits section that lists/links all external resources: Displayed in the 'Credits' section of the [About](#) page.

Project Walkthrough illustrating the implementation of the project requirements: You are currently reading it.

Using PageSpeed Insights make sure you can obtain a score of at least 75% on Mobile and 80% on Desktop:

- PageSpeed Insight for [index.php](#): Mobile-80%, Desktop-89%
- PageSpeed Insight for [featured.php](#): Mobile-81%, Desktop-90%
- PageSpeed Insight for [about.php](#): Mobile-82%, Desktop-95%
- PageSpeed Insight for [contact.php](#): Mobile-83%, Desktop-90%

Bird/Audubon Information

Birds of Minnesota Field Guide by Stan Tekiela: View on [Amazon](#)

St. Paul Audubon Society Website: View [Website](#)

Learning To Give - Audubon Society: View [Website](#)

Bird Images

Tree Swallow: [tug44.org](#)

Barn Swallow: [findingnature.co.uk](#)

Eastern Bluebird: [kids.nationalgeographic.com](#)

Belted Kingfisher: [wikimedia.org](#)

Blue Jay: [sciencing.com](#)

Indigo Bunting: [ozarksnatureguide.com](#)

Purple Martin (Featured Page): [audubon.org](#)

Purple Martin (Home Page): [wikipedia.org](#)

Video

The Story of Audubon: [YouTube.com](#)

Bird Call Audio Clips

Tree Swallow: [xeno-canto.org](#)

Barn Swallow: [xeno-canto.org](#)

Eastern Bluebird: [xeno-canto.org](#)


Belted Kingfisher: [xeno-canto.org](#)


Blue Jay: [xeno-canto.org](#)

Indigo Bunting: [xeno-canto.org](#)

Purple Martin: [xeno-canto.org](#)

Image Editing/Compression

 [Affinity Designer](#): SVG drawing and image editing


 [Kraken.io](#): Image compression

Audio Editing

 [Pro Tools](#): Audio editing/mixing


Programming Tools/Resources

 [Gulp](#): For local environment development

 [Babel](#): Allowed me to write modern JavaScript


 [Autoprefixer](#): Automatically added all necessary prefixes to my CSS

 [BrowserSync](#): Enabled automatic browser reload while in development


 [JS Minify](#): Minimized my JavaScript Files




 [Clean CSS](#): Minimized my CSS files

 [CSS Tricks](#): CSS resource for when I needed to write my own


 [Mozilla CSS Reference](#): CSS resource for when I needed to write my own

 [Bootstrap](#): Helped in the styling of my website

 [Google Fonts](#): For typography

 [Stack Overflow](#): For troubleshooting

 [SQLite](#): For persistent storage

 [Chart.js](#): For data visualization

 [Axios.js](#): For AJAX in the [Featured](#) page and [Contact](#) page.

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Home

Featured

- [Tree Swallow](#)
- [Eastern Bluebird](#)
- [Belted Kingfisher](#)
- [Blue Jay](#)
- [Barn Swallow](#)
- [Indigo Bunting](#)
- [Purple Martin](#)

About

- [Content Map](#)
- [Wireframes](#)
- [Walkthrough](#)
- [Credits](#)

Contact

- [Email](#)
- [Audubon](#)

Admin