

# Weekly Progress Report for 02/07/2024

## Word Search Generator

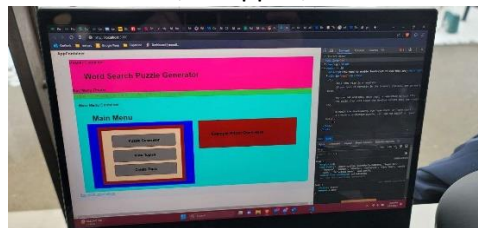
Christina Porter

### 1. Introduction

Since the project proposal was turned in three weeks ago, efforts have been focused on learning ReactJS and styling through CSS, Bootstrap, and React Bootstrap while putting new information to use to design the user interface. The central point was the header, including the navigation bar. The initial tutorial used to create a navigation bar at <https://www.geeksforgeeks.org/create-a-responsive-navbar-using-reactjs/> worked as intended; however this was just given code instead of a tutorial on how components work together. Thus, I delved into other resources that explained components and used the previous reference as well as others to create my own navigation bar using react-router-dom. As placeholders, I created files for each page to be represented, then placed needed components accordingly. After all components were placed, the page is now being styled.

### 2. Items Attempted/Completed

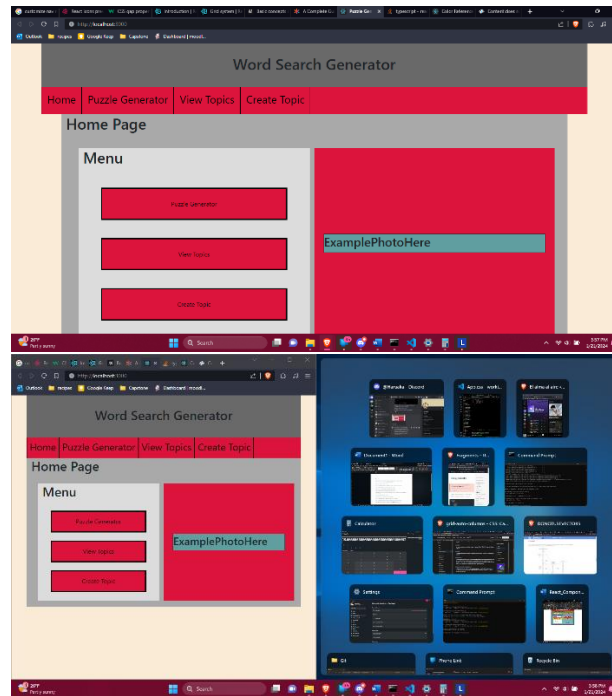
- Generated a draft of the pages and needed components.
- ATTEMPT 1:
  - i. Created npm website template
  - ii. Created GitHub repository to store project proposals and site template
  - iii. Created files for each navigation page that will be present in the user interface.
    - 1. This included a file with a h1 tag displaying the page title.
  - iv. Created visible containers with different colors to distinguish how components work with each other.
  - v. Created Header
  - vi. Followed tutorial to create navigation bar to place in header.
    - 1. Style wasn't to taste and CSS is awful.
  - vii. Confirmed navigation bar was working, then moved on to style home page.
  - viii. Overhauled file organization.
  - ix. Developed a version that looked similar to template. Alignment was difficult and components did not scale together.
  - x. Got frustrated, scrapped, and restarted.



- x. This original attempt is visible in the old\_word-search-site file on Github.

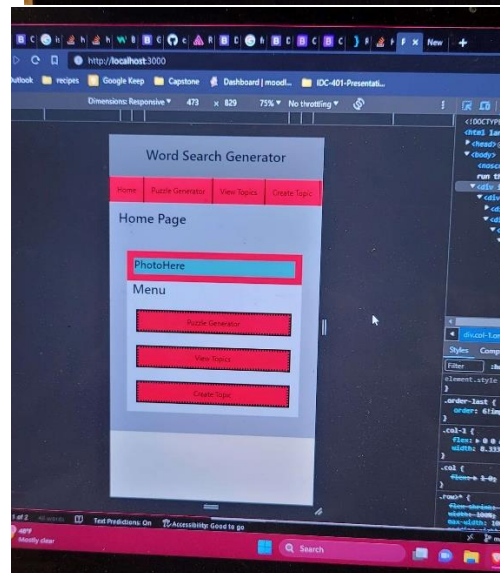
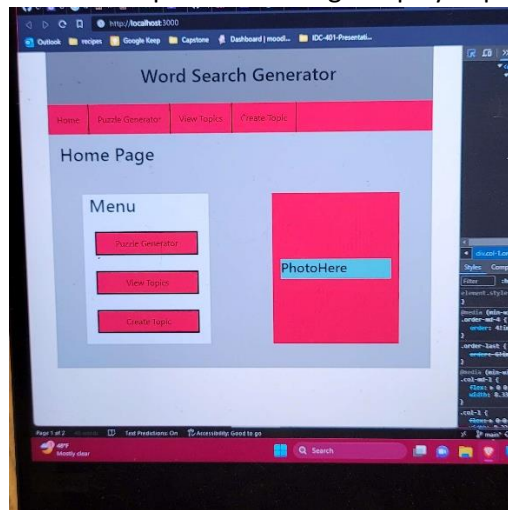
- ATTEMPT 2:

- i. Created new npm website in root folder called working\_version\_capstone.
  1. The same file structure was kept without the navigation bar elements.
- ii. Switched gears to using bootstrap and React Bootstrap.
  1. Yay, pre-styled components!
- iii. Changed styling of navigation bar.
  1. Researched every component and used only the Routes, Router, and NavLink components. Switched to using react-bootstrap Navbar component.
- iv. Confirmed navigation bar was working, then moved on to style home page, again.
  1. Attempted using a grid to help components scale with each other.
- v. Developed a version that looked similar to template. Alignment was difficult and components did not scale correctly when page was resized.
- vi. Another overhaul.



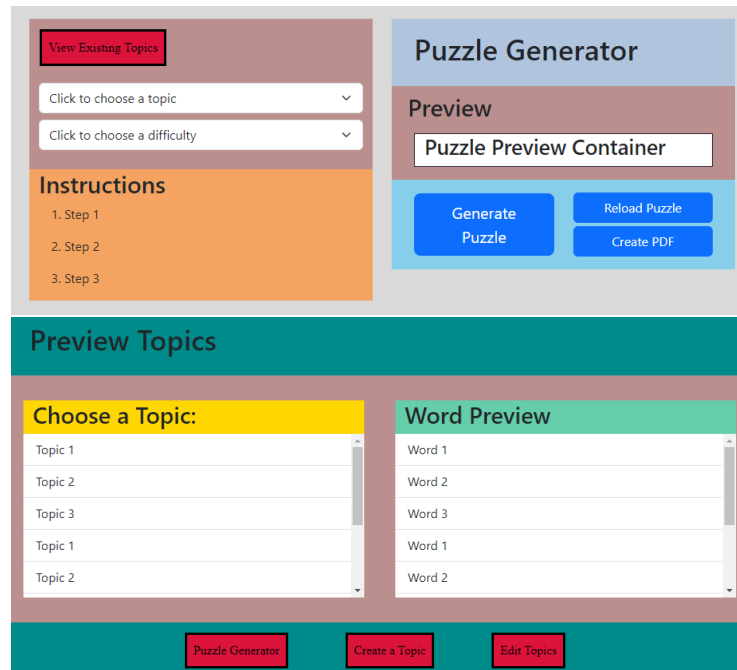
- ATTEMPT 3
  - i. Conducted research and decided to try flexbox.
  - ii. Reconstructed entire grid and how columns and rows nested within each other.
  - iii. Used flexbox to assign column proportions for specific breakpoints.

- iv. Used media queries to change display depending on size of screen.

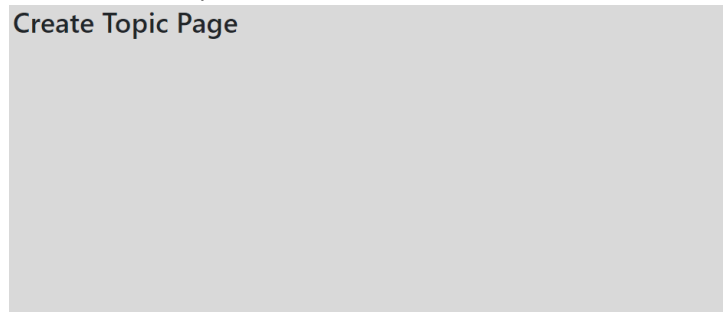


- v. Satisfied, moved on.

- CONTINUING
  - i. Created other pages with similar format. Ensured all are responsive to breakpoints.



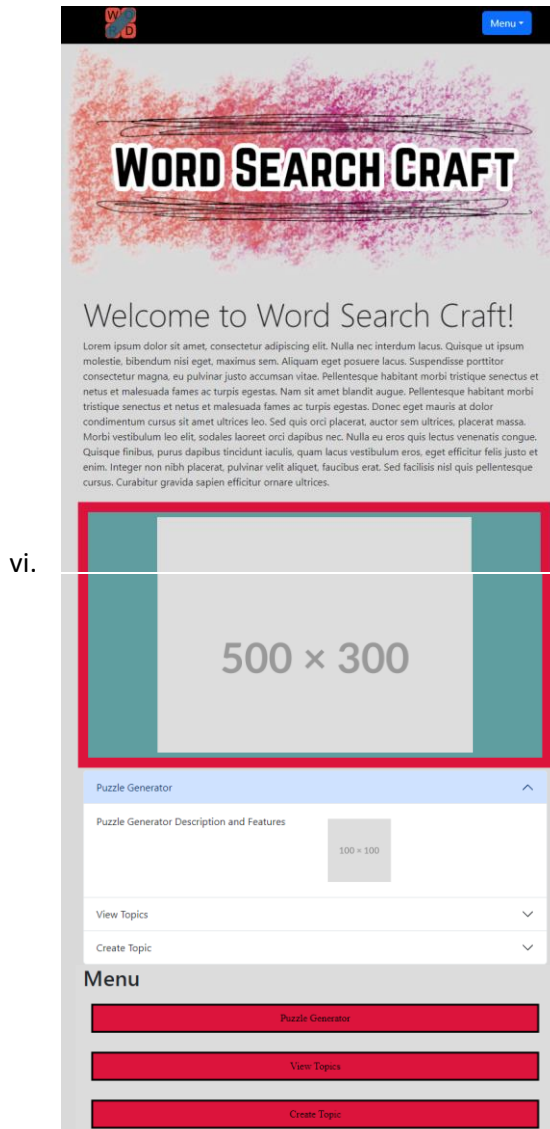
- ii. Added a 'create-topic' page to be implemented later – only added it to nav so the 'Create a Topic' button has somewhere to route.



- iii. Reorganized file structure so they are similar for each page so someone who is looking for something is somewhat familiar with how project is organized.
- iv. Removed unused imports from files.
- v. Added comments to every page, component, and template to say where they are used.
- vi. Removed any files that were not used in any component.

- **STYLING**

- i. "Brand" styling has begun.
- ii. Created color palette.
- iii. Override of home page files to mimic the other pages and make files/components simpler.
- iv. Turning simple grid components into styled components with bootstrap.
- v. Started adding color and changing header style, colors, and effects based off size.



### 3. Agenda for Week of <Date to Date>

- By next report of 2/8/2024 – 2/22/2024
  - i. Finish styling home page.
  - ii. Create database and fill with initial entries.
  - iii. Display database and filter on Preview Topic.
  - iv. Create new database entries on Create Topic.
  - v. Style pages as they are being worked on.

### 4. Schedule Updates

- Running a little behind on creation due to learning curve at first. The same is expected to happen with JavaScript, but expect to be curbed slightly since some methods were

researched to use while writing the proposal, and SOME logic has already been used to implement components.

**THE REST OF THE REPORT ARE USED REFERENCES SORTED BY TOPIC**

## **React**

Abba, Ihechikara. “React Best Practices to up Your Game.” Kinsta. <https://kinsta.com/blog/react-best-practices/> (Accessed 01/19/2024).

N, Sathish Kumar. “React Best Practices in 2023.” Dev. <https://dev.to/sathishskdev/part-1-naming-conventions-the-foundation-of-clean-code-51ng> (Accessed 01/16/2024).

Gouravhammad. “How to use Container Component in ReactJS?” Geeks for Geeks. <https://www.geeksforgeeks.org/how-to-use-container-component-in-reactjs/> (Accessed 01/17/2024).

Llobera, Lewis. “Adding a Stylesheet.” Create React App. <https://create-react-app.dev/docs/adding-a-stylesheet/> (Accessed 01/17/2024).

“Color Reference.” React Native. <https://reactnative.dev/docs/colors> (Accessed 01/17/2024).

jt999970970. “Create a Responsive Navbar using ReactJS.” Geeks for Geeks. <https://www.geeksforgeeks.org/create-a-responsive-navbar-using-reactjs/> (Accessed 01/17/2024).

“<Fragment> (<>...</>).” React API Reference. <https://react.dev/reference/react/Fragment> (Accessed 01/19/2024).

Llobera, Lewis. “Adding Images, Fonts, and Files.” Create React App. <https://create-react-app.dev/docs/adding-images-fonts-and-files/> (Accessed 01/18/2024).

## **JavaScript**

“Template Literals (Template Strings).” MDN Web Docs. [https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Template\\_literals](https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Template_literals) (Accessed 12/28/2023).

## **React Router**

timdorr. “react-router-dom' does not contain a default export (imported as 'BrowserRouter').” Stack Overflow. <https://github.com/remix-run/react-router/issues/7454#issuecomment-650180839> (Accessed 01/17/2024).

skt84. “I’m getting an error whenever I use <Link> from react-router-dom.” Reddit. [https://www.reddit.com/r/reactjs/comments/11qu398/comment/jc5i34s/?utm\\_source=share&utm\\_medium=web2x&context=3](https://www.reddit.com/r/reactjs/comments/11qu398/comment/jc5i34s/?utm_source=share&utm_medium=web2x&context=3) (Accessed 01/17/2024).

“<Outlet>.” React Router. <https://reactrouter.com/en/main/components/outlet> (Accessed 01/19/2024).

“React Router.” W3Schools. [https://www.w3schools.com/react/react\\_router.asp](https://www.w3schools.com/react/react_router.asp) (Accessed 01/19/2024).

“<BrowserRouter>.” React Router. <https://reactrouter.com/en/main/router-components/browser-router> (Accessed 01/19/2024).

“React DOM Components.” React API Reference. <https://react.dev/reference/react-dom/components> (Accessed 12/23/2023).

## **CSS**

“CSS Reference.” W3Schools. <https://www.w3schools.com/cssref/index.php> (accessed 01/19/2024).

“Basic concepts of flexbox.” MDN Web Docs. [https://developer.mozilla.org/en-US/docs/Web/CSS/CSS\\_flexible\\_box\\_layout/Basic\\_concepts\\_of\\_flexbox](https://developer.mozilla.org/en-US/docs/Web/CSS/CSS_flexible_box_layout/Basic_concepts_of_flexbox) (Accessed 01/21/2024).

Coyier, Chris. “A Complete Guide to Flexbox.” CSS Tricks. <https://css-tricks.com/snippets/css/a-guide-to-flexbox/#aa-flexbox-properties> (Accessed 01/22/2024).

“CSS Media Queries – Examples.” W3Schools. [https://www.w3schools.com/css/css3\\_mediaqueries\\_ex.asp](https://www.w3schools.com/css/css3_mediaqueries_ex.asp) (Accessed 01/22/2024).

“Using media queries.” MDM Web Docs. [https://developer.mozilla.org/en-US/docs/Web/CSS/CSS\\_media\\_queries/Using\\_media\\_queries](https://developer.mozilla.org/en-US/docs/Web/CSS/CSS_media_queries/Using_media_queries) (Accessed 01/22/2024).

“Styling React Using CSS.” W3Schools. [https://www.w3schools.com/react/react\\_css.asp](https://www.w3schools.com/react/react_css.asp) (Accessed 01/17/2024).

Jamal, Tooba. “How to use Props in React.” Free Code Camp. <https://www.freecodecamp.org/news/props-in-react/> (Accessed 01/17/2024).

“CSS Reference.” MDN Web Docs. <https://developer.mozilla.org/en-US/docs/Web/CSS/Reference> (Accessed 01/18/2024).

“Set Button Widths.” W3Schools. [https://www.w3schools.com/css/tryit.asp?filename=trycss\\_buttons\\_width](https://www.w3schools.com/css/tryit.asp?filename=trycss_buttons_width) (Accessed 01/18/2024).

Alam, Shabaz. “How to add space between elements?” Tutorials Point. <https://www.tutorialspoint.com/how-to-add-space-between-elements> (Accessed 01/18/2024).

“align-items.” MDN Web Docs. <https://developer.mozilla.org/en-US/docs/Web/CSS/align-items> (Accessed 01/18/2024).

“display.” MDN Web Docs. <https://developer.mozilla.org/en-US/docs/Web/CSS/display> (Accessed 01/18/2024).

“padding.” MDN Web Docs. <https://developer.mozilla.org/en-US/docs/Web/CSS/padding> (Accessed 01/18/2024).

“CSS Values and Units.” MDN Web Docs. [https://developer.mozilla.org/en-US/docs/Learn/CSS/Building\\_blocks/Values\\_and\\_units](https://developer.mozilla.org/en-US/docs/Learn/CSS/Building_blocks/Values_and_units) (Accessed 01/18/2024).

“CSS Units.” W3Schools. [https://www.w3schools.com/cssref/css\\_units.php](https://www.w3schools.com/cssref/css_units.php) (Accessed 01/19/2024).

“CSS Cursor Property.” W3Schools. [https://www.w3schools.com/cssref/pr\\_class\\_cursor.php](https://www.w3schools.com/cssref/pr_class_cursor.php) (Accessed 02/02/2024).

“CSS text-shadow Property.” W3Schools. [https://www.w3schools.com/cssref/css3\\_pr\\_text-shadow.php](https://www.w3schools.com/cssref/css3_pr_text-shadow.php) (Accessed 02/04/2024).

“CSS text-decoration Property.” W3Schools. [https://www.w3schools.com/cssref/pr\\_text\\_text-decoration.php](https://www.w3schools.com/cssref/pr_text_text-decoration.php) (Accessed 02/04/2024).

Olawanle, Joel. “How to Add Text Outline with CSS.” <https://kinsta.com/blog/css-text-outline/> (Accessed 02/02/2024).

## **Bootstrap**

“Introduction.” React Bootstrap. <https://react-bootstrap.netlify.app/docs/getting-started/introduction/> (Accessed 01/17/2024).

“Grid system.” React Bootstrap. <https://react-bootstrap.netlify.app/docs/layout/grid> (Accessed 01/22/2024).

“Spacing.” Bootstrap v.4.0. <https://getbootstrap.com/docs/4.0/utilities/spacing/> (Accessed 01/21/2024).

“Grid System.” Bootstrap v.4.0. <https://getbootstrap.com/docs/4.0/layout/grid/> (Accessed 01/23/2024).

“Images.” Bootstrap v.4.0. <https://getbootstrap.com/docs/4.0/layout/grid/> (Accessed 01/25/2024).

“Display Property.” Bootstrap v.4.0. <https://getbootstrap.com/docs/4.0/utilities/display/> (Accessed 01/23/2024).

“Text.” Bootstrap v.4.0. <https://getbootstrap.com/docs/4.0/utilities/text/> (Accessed 01/23/2024).

“Stacks.” React Bootstrap. <https://react-bootstrap.netlify.app/docs/layout/stack/> (Accessed 01/21/2024).



“Flex.” Bootstrap v.5.0. <https://getbootstrap.com/docs/5.0/utilities/flex/> (Accessed 01/21/2024).

“Breakpoints.” Bootstrap v.5.0. <https://getbootstrap.com/docs/5.0/layout/breakpoints/> (Accessed 01/23/2024).

“Vertical Rule.” Bootstrap v.5.1. <https://getbootstrap.com/docs/5.1/helpers/vertical-rule/> (Accessed 01/30/2024).

“Grid System.” Bootstrap v.5.1. <https://getbootstrap.com/docs/5.1/layout/grid/> (Accessed 01/23/2024).

“Breakpoints.” Bootstrap v.5.2. <https://getbootstrap.com/docs/5.2/layout/breakpoints/> (Accessed 01/23/2024).

Dax. “No wrap in bootstrap row.” Stack Overflow. <https://stackoverflow.com/a/29242228> (Accessed 01/22/2024).

“Bootstrap 5 Grids.” W3Schools. [https://www.w3schools.com/bootstrap5/bootstrap\\_grid\\_basic.php](https://www.w3schools.com/bootstrap5/bootstrap_grid_basic.php) (Accessed 01/22/2024).

“Navs and Tabs.” React Bootstrap. <https://react-bootstrap.netlify.app/docs/components/navs/> (Accessed 01/19/2024).

“Breakpoints.” React Bootstrap. <https://react-bootstrap.netlify.app/docs/layout/breakpoints/> (Accessed 01/21/2024).

“Breakpoints.” Bootstrap v.5.3. <https://getbootstrap.com/docs/5.3/layout/breakpoints/> (Accessed 01/23/2024).

florianlacrease. “order-\* classes don't work, only order-first and order-last do their job.” <https://github.com/twbs/bootstrap/issues/35524#issuecomment-991091772> (Accessed 01/24/2024).

Skelly, Carol. “Bootstrap 4 Vertical Center.” Medium. <https://medium.com/wdstack/bootstrap-4-vertical-center-1211448a2eff> (Accessed 01/27/2024).

“Vertical Alignment.” MD Bootstrap. <https://mdbootstrap.com/docs/standard/layout/vertical-alignment/> (Accessed 01/27/2024).

Bose, Shreya. “What are CSS Breakpoints and Media Query Breakpoints?” BrowserStack. <https://www.browserstack.com/guide/what-are-css-and-media-query-breakpoints> (Accessed 01/23/2024).

skyridetim. “Bootstrap 5 Table Captions.” Geeks for Geeks. <https://www.geeksforgeeks.org/bootstrap-5-table-captions/> (Accessed 02/01/2024).

“Tables.” React Bootstrap. <https://react-bootstrap.netlify.app/docs/components/table/> (Accessed 02/01/2024).

“Overflow.” Bootstrap v.5.0. <https://getbootstrap.com/docs/5.0/utilities/overflow/> (Accessed 02/01/2024).

“Buttons.” React Bootstrap. <https://react-bootstrap.netlify.app/docs/components/buttons/> (Accessed 01/27/2024).

“How to: Bootstrap image center.” MD Bootstrap. <https://mdbootstrap.com/how-to/bootstrap/image-center/> (Accessed 02/06/2024).

“Borders.” Bootstrap v.4.0. <https://getbootstrap.com/docs/4.0/utilities/borders/> (Accessed 01/21/2024).

## **Packages**

“Documentation.” Styled Components. <https://styled-components.com/docs> (Accessed 01/18/2024).

“Font Awesome 5.” React Icons. <https://react-icons.github.io/react-icons/icons/fa/> (Accessed 01/18/2024).

## **Other**

“Placeholder.” Placeholder. <https://placeholder.co/> (Accessed 02/04/2024).

“Lorem Ipsum.” Ipsum. <https://www.lipsum.com/feed/html> (02/06/2024).

Custom Color Palette. Coolers. <https://coolers.co/000000-19647e-d9d9d9-de4f3f-a4036f> (Accessed 02/03/2024).

Anie, Alex. "NavLink Component in React Router." Medium. [https://medium.com/@alexanie\\_/navlink-component-in-react-router-b83f4a11794f#:~:text=%60href%60%20attribute%20or%20page%20is%20active.&text=Unlike%20most%20props%2C%20the%20active,can%20be%20styled%20as%20follows.&text=See%20Codesandbox%20for%20a%20code%20sample](https://medium.com/@alexanie_/navlink-component-in-react-router-b83f4a11794f#:~:text=%60href%60%20attribute%20or%20page%20is%20active.&text=Unlike%20most%20props%2C%20the%20active,can%20be%20styled%20as%20follows.&text=See%20Codesandbox%20for%20a%20code%20sample). (Accessed 02/06/2024).