Website link/ Homepage: https://albee89.github.io/my-app/

COS60015: Front-end Web Development

Assignment 2: Build a functional public-facing website

Alexandra Bain
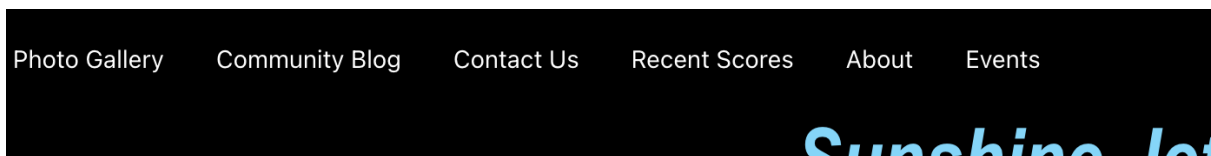
Website Details
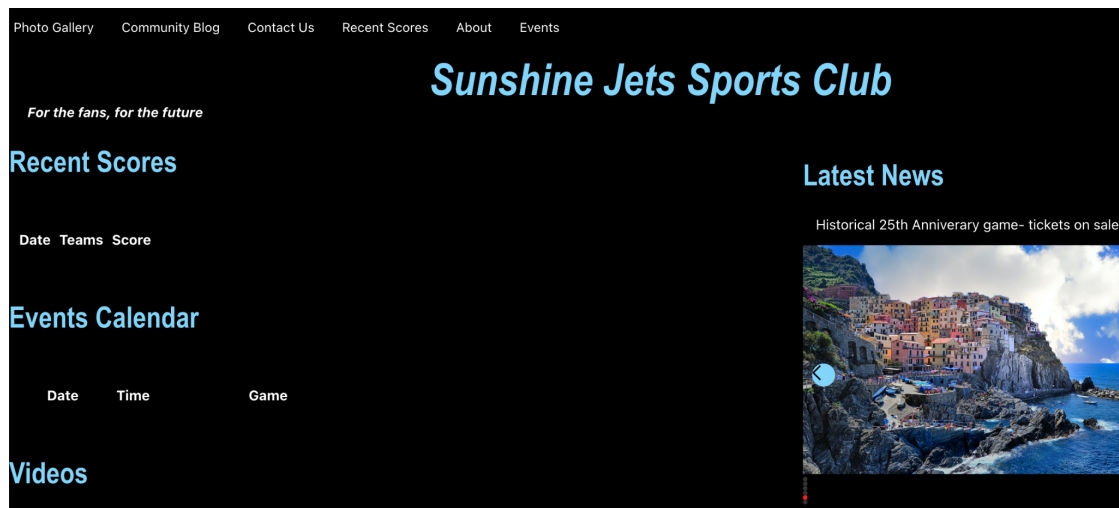
Component	Comment
Main	The **Main** section comprises **Welcome, News, Scores, Events** and **Videos** Components, starting with high attention-grabbing components to flesh out the website. The **Main js** component is called after importing all components used into a const using props and return method. The React.Fragment jsx is added here for error handling. The reorganisation of this folder was something that took up too much time.
Navigation	Uses an array and map() method to return Navigation list items linked to each component.
Scores	Return function using props and array
Events	Return function using props and array
News	News.js, features and array and imports **Carousel** and React styling
Carousel	For News Component- useState, loop to return Carousel via callback function and event handlers
TikTok Social Media	React TikTok import called by return function
Videos	React Player imported used with YouTube and called from a return function loop
Image Gallery	Uses an Array with url photo links, { useState } and React-Carousel to design photo gallery. React.Fragment added for error handling
App	**Main** comprises Main's components, which are imported along with **Navigation, TikTok, Header, Contact Us, About** and **Footer** components into App using function return.
Index	Renders App through ReactDOM on the <root> file using . React Strict Mode and Error Boundary components are called here, which also passes through/utilises the index.html file.
Styles	Styling is achieved using css modules (for Events, About, ContactUs, Scores,Events and Community Blog) and the

	App.css file for the remaining/global/ smaller components. Responsive design is applied to project by tracking changes to window size, and updating Dom in css code.
JSX	JSX is utitlised in all components, inline styling "Welcome".
Contact Us	Hooks, React Forms, arrays, handle elements, loops and return method. Send button creates a sent alert, and each box requires specific data.
Header	Return method and used on simple component
Welcome	Arrow functions and inline styling is utilised
Footer	Return method and used on simple component
About	Return method with Mui Material Box react effect imported to create backdrop of section.
Blog	Conditional loops, useState, props, maxChars are used on return function
Community Blog	Renders information from Blog through simple return function
Error Boundary	Using constructor props and JSX to render ErrorBoundary.
Search Bar	SportsClubs listed which can be filtered, send button shows clicks in console but isn't yet connected to Search and arrays list.
Higher Order Components	HOCs withLogger and (wrapped component) Counter are both applied to Navigation and SportsClub Counter applied to ContactUs

The Navigation Bar links to corresponding components and took much testing to realise a # placed in front of the Navigation link name was the linking key.

Photo Gallery   Community Blog   Contact Us   Recent Scores   About   Events
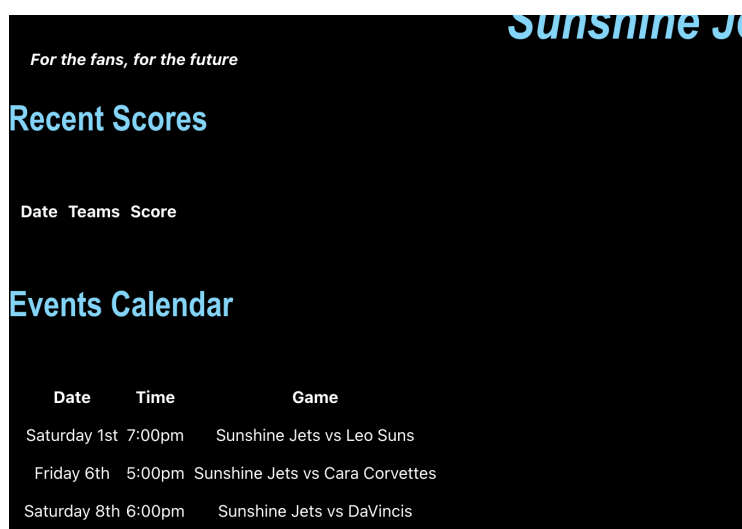
Sunshine Jet

The design needed to fill in the Main Page space is still in development, but the general layout follows a less-busy version of the original Wireframe.

There was meant to be a Weather Component here, but there were difficulties rendering the Weather data across several different code iterations, despite much component method and package testing.

Header features the club slogan. There is a lot less background here, mostly because the original website mockup did appear to be too busy, but a high-quality background photo can be added here in later iterations.

The Scores Table and Events Table drop down when hovered over, a design decision so as not to overwhelm the user and provide lower cognitive bearing. Much research and testing was done on a react version of this css effect, but was unable to deliver a method in time for app's deployment.

Latest News carousel is positioned immediately to gain attention, with thematic design choices with colour made on buttons and titles.
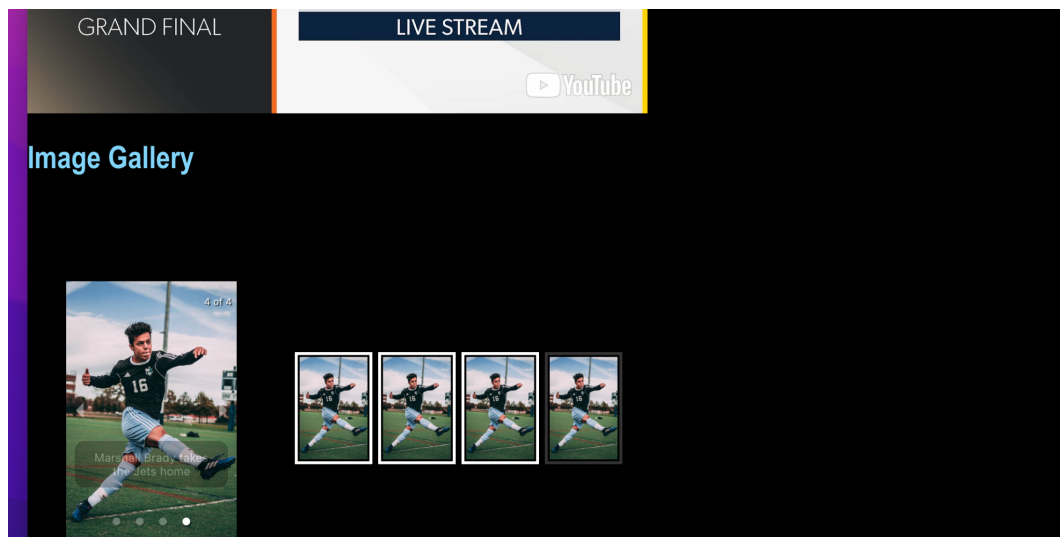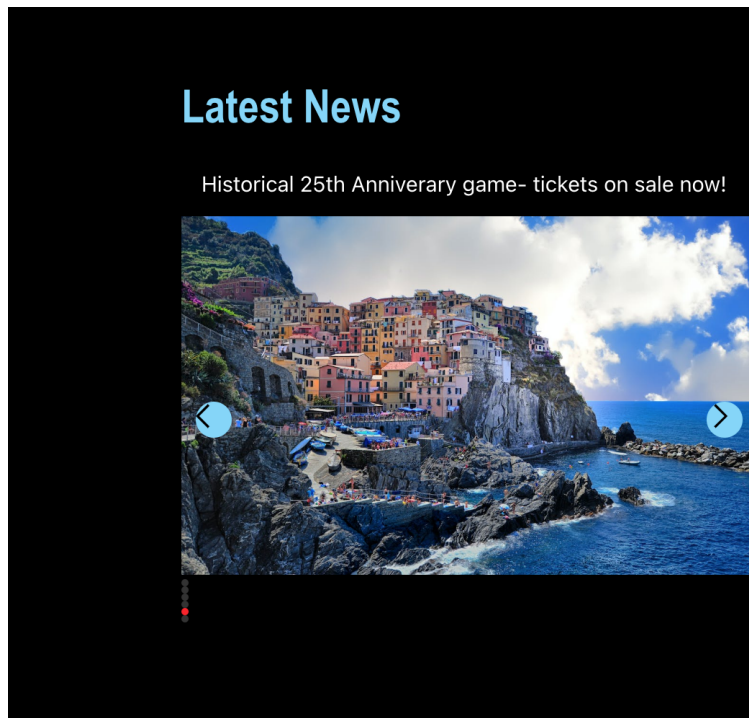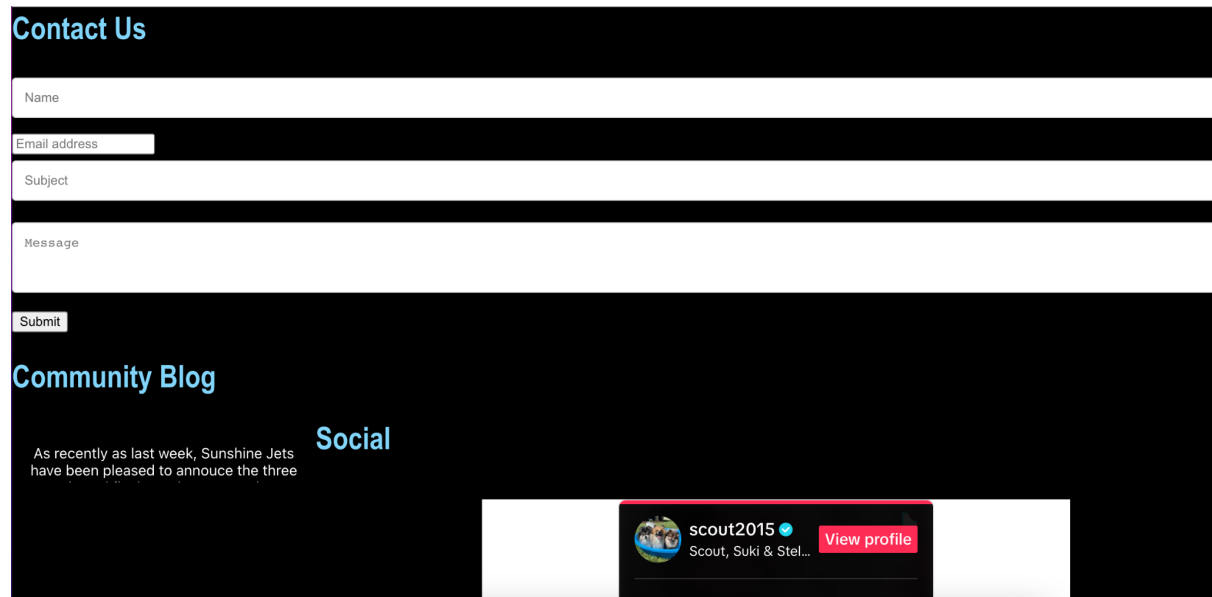

Image Gallery and Videos placed together after drop-down menus for similar eye- catching components displayed to balance out News.
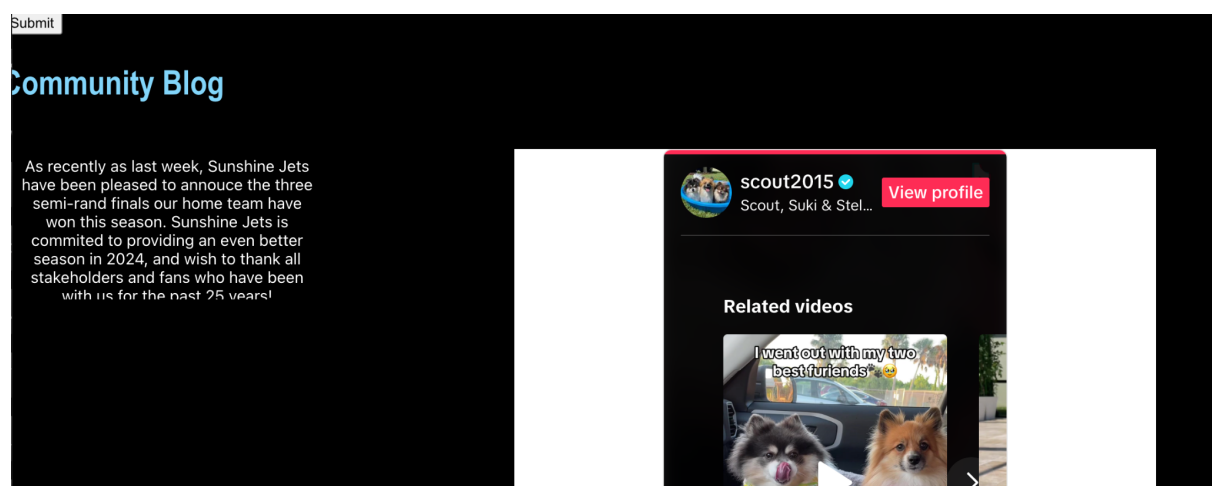
Contact Us stretches across the page for now in a kind of break between sections. This has been styled in App.css and might change the size or style with further iterations.
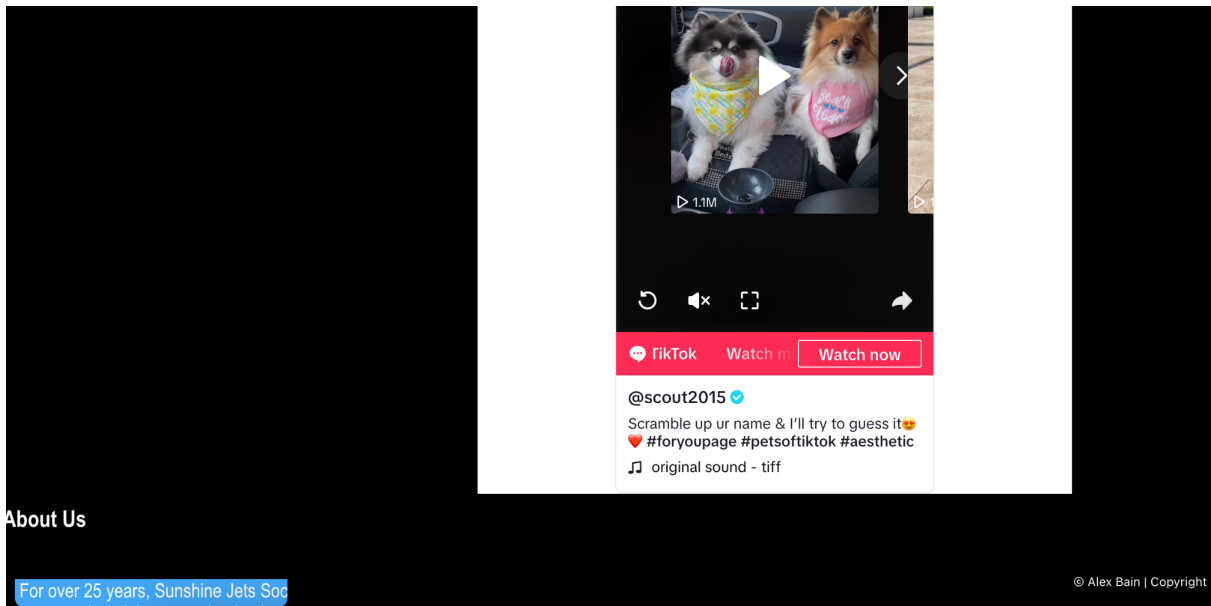
Along with the theme of the project, ideally a member's login component would be displayed to the right of the page with a further iteration.

TikTok is chosen as a social media example of the Sunshine Jets Community page and its community.

Community Blog is placed to the left, also in hover/ drop-down as a 'read more' type of user engagement. This will expand to a full blog in later iterations.

About is also an expandable area, and Footer to the far right of the page for balance.

Testing

In the App.js file, imported React Testing Library, using callback function with arrow function and query document selector to render to image element test:

Testing was a learning experience, like learning React itself and one that also cost a lot of time. Spending too much time on one particular element or test really drove home to me the importance of failing fast and moving ahead with something else before the original task is 'perfect' or exactly how it was planned. Embracing testing as the project evolved helped to achieve more, without being lumped with a slew of testing at the end. Putting coding into practice within a timeframe was like learning the iterative development process in real time, and proving its assistance as so much "testing" is happening behind the scenes to each and every feature.