Final Project Checklist

General

Uses a public Github repo. Scaffolded using Vite with the react (not react-ts, react-swc, or react-swc-ts) template. Uses NPM Installs and uses dependencies: "react-router".			
Coding Practices			
Formatting should be neat and consistent across the codebase. Prettier can help with this!			
Only 1 component per file unless using Styled-Components.			
Component names should be in PascalCase and filenames should match the			
components they house.			
Minimize the use of implicit type coercion.			
Favor functional over non-functional approaches. (eg: use <u>array.prototype.map</u> instead of array.prototype.forEach)			
Comments should be concise and only used for explaining tricky or complex			
code passages. Remove all commented-out code and personal notes.			
Project files that contain only utility or helper functions and no components			
should be given the .js extension.			
Project Structure			
Repo Structure			
Root directory contains:			
src/			
.env.local.example file with example values for all environmental variables needed to run project			

.gitignore which includes at least the following entries:
<pre>node_modules</pre>
□ dist
<pre>*.local (this covers the .env.local file you use for secrets)</pre>
□ .DS_Store
index.html - the only changes permitted are in the <head></head>
☐ 3rd-party stylesheets are permitted if used in conjunction with an installed
library. All other styling should be in src/
package.json
package-lock.json`
vite.config.js
README.md which includes:
☐ Project title and description
☐ Details on any added dependencies, especially those that may manipulate
the DOM directly.
☐ Instructions on how to install and run
☐ Any details needed for an API connection
☐ If credentials needed, indicate services used
Root should NOT contain:
node_modules/
.env.local or any other file with sensitive information
Any component files other than App.jsx and main.jsx
any Yarn artifacts
public/ - the favicon can be changed but this directory should not be used
src/ directory contains at minimum:
assets/ directory for all included imagery, fonts, etc, unless they are retrieved
from an external source.
features/ directory containing at least 2 features
☐ If features use more than one component, all related components should
reside in a sub-directory with the feature name.
pages/ directory containing at least 3 page components
shared/ directory containing at least 2 components that are used in more than
one feature
App.css
App.jsx
main.jsx
Other directories may be added so long as the assist in keeping the project's
code well-organized.

	Project Data Schema Structure	
	use any approach accessible to you (look back to the discussion) to create 1 or more objects or arrays of objects to load into state or save to state	
U	use the simplest structures needed to model data in your application	
	Demonstrates Understanding of React Concepts	
	The browser's page should never refresh during user interaction.	
	All components should be functional (no class-based components).	
	Use only React-compatible props.	
	State should never be mutated.	
	Components should return valid JSX.	
	The DOM should never be directly accessed or manipulated unless required by a	
U	3rd-party library.	
	Make a note of any libraries that do this in the README.	
	All communication with external data sources should be done asynchronously.	
	Project uses at least:	
	1 component that takes children props	
	2 re-usable components each containing 2 or more html elements/sub-	
	components + uses props	
	4 conditionally rendered components or elements.	
	1 controlled component form with at least 1 validated field.	
	2 useEffect calls.	
	1 useCallback.	
	All dependency arrays for hooks are accurate for their use case.	
	useEffect calls should return a cleanup function as appropriate.	
	Any array of rendered components must include a unique key props.	
	Keys must not be derived from the item's index.	
Uses React-Router for Routing		
\cap	react-router is installed in the project.	
	The App component instance in main.jsx is wrapped with a BrowserRouter	
\sim	- It is become an incommentation of the partition of the	

instance.

All Route instances use components in the pages/ directory for their element props.				
Include a wildcard route with a "Not Found" page.				
Uses NavLink instances for global navigation (can use Link instances elsewhere)				
Behavior				
Startup				
Installs without error (other than minor package updates)				
Application starts without errors.				
On loading, application performs a network request or interacts a browser				
storage mechanism to retrieve data used in app.				
Loading status is displayed to user in UI.				
Reviewers need to be able to access whatever resource is used with minimal setup!				
☐ Any publicly accessible APIs used must be open for anonymous use or free to sign up for.				
☐ If a local server is used:				
☐ Warning: mentors will not be able to assist with troubleshooting any				
server issues so this option is best for those with adequate experience!				
☐ it must use Node.js as a runtime (no Deno, Bun, Python, Ruby, PHP etc.)☐ it must run error-free				
☐ A link to its repo and setup/running instructions are included in the project's README				
Functionality				
All components and any user interactions should be error-free (excluding				
anything beyond student's control, such as API uptime). Warnings are acceptable.				
The app should never crash.				
StrictMode must remain in place in main.jsx				
Form inputs and labels must be properly associated with each other.				
Any foreseeable network or process errors must be caught and communicated				
to the user, as appropriate, through the UI.				

App allows user to interact with data central to the purpose of the app. Create Read Update Delete (optional) Persists data using an API and/or Local Storage or IndexedDB.
Appearance/UX
Styling should only be written using CSS, CSS Modules, or Styled-Components. No component or theming libraries.
Exceptions can be made for notification systems - seek CIL approval first.
Uses consistent theming and layouts across pages and elements.
Uses a different font for headings and non-heading text.
Interface text is legible for the typical user.
Images must include brief, descriptive alt text (this excludes images that serve only as decoration).
Any sounds used must be mutable from within the app's interface.
NavLink instances should visually differentiate between the currently active
route's link and other, inactive route links.
Imagery and other assets should generally be optimized for the sizes that they
are being used. (eg: don't use a 4k resolution, 2MB jpg for a 5cm tall user
avatar!)