DESTINY UI

Coding Standards and Best Practices

Folder Structure:

Keep a well-organized folder structure which includes components, pages, assets, routing, and actions (API Integration) separated into their respective directories.

Consider using feature-based organization, where related components, styles, data (JSON structures) and assets are grouped together.

Naming Conventions:

Use meaningful and descriptive names for variables, functions, and components.

Follow common JavaScript naming conventions, such as camelCase for variables and functions.

For component names, use PascalCase (capitalizing the first letter of each word).

File Extensions:

Use the .js extension for JavaScript files and. jsx for React components.

Component Organization:

Structure components with a clear separation of concerns, such as placing logic (state, hooks) at the top and rendering (JSX) at the bottom.

Import Statements:

Use named imports for components and other resources from Material-UI to improve readability.

Group imports by type (e.g., external dependencies, internal modules) and separate them with empty lines, if a line exceeds a reasonable length, break it into multiple lines for readability

Styling:

Consider creating a separate index.css file in the component's directory to manage styles. Avoid inline CSS

Prop Types:

Utilize Prop Types to define and validate the props passed to components.

Specify the type, whether it is required or optional, and provide default values if applicable.

Code Formatting:

Use a consistent and readable code format throughout the project.

Consider using a code formatter like Prettier to maintain consistent formatting automatically.

Avoid unnecessarily long lines of code. If a line exceeds a reasonable length, break it into multiple lines.

Comments:

Add comments in curly braces {/* Destiny UI Component */}, multi-line /* */ or single line // comment to clarify complex logic or to provide additional context.

Include simple comments for functions and components, describing their purpose, input parameters, and return values.

Code Reusability:

Aim for reusable components by extracting common functionality into separate components or hooks.

Encapsulate components with clear and focused responsibilities to promote reusability.

Responsive Design:

Utilize Material-UI's responsive design principles and components such as 'Grid', 'flexbox' Etc.

Avoid the usage of common components in our application and replace them with traditional way of div and CSS selector which remains unchangeable when we move out of some other framework

Error Handling:

Implement proper error handling techniques, such as try-catch blocks, error boundaries, or custom error handling components, to handle and display errors gracefully. Avoid using 'console.log()'

Accessibility:

Ensure your application adheres to accessibility standards by using appropriate HTML semantics and applying Material-UI's accessibility features (e.g., aria-* attributes).

Documentation:

Refer to official websites for using Material-UI components

https://mui.com/

Refer to official websites for using ReactJS

https://react.dev/

Refer to few of websites for Micro front end -

https://micro-frontends.org/

https://microfrontends.com/

https://martinfowler.com/articles/micro-frontends.html


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This could be a headline for the report

This is client-side Javascript, pumping out a PDF.