Project Language Choice

We selected JavaScript for our project because it excels in creating interactive and lively websites. Widely known among developers, JavaScript seamlessly integrates with web browsers, ensuring our online store remains smooth and user-friendly.

Coding Standard for JU E-book Store

1. Naming Conventions

Variables

Use camelCase for variables (e.g., bookTitle, authorName).

Choose meaningful and descriptive names.

Functions/Methods

Use camelCase for function names (e.g., getBookDetails()).

Clearly express the purpose of the function in its name.

Classes

Use PascalCase for class names (e.g., BookStore, BookManager).

Reflect the class's responsibility in its name.

2. Indentation and Formatting

Use 2 spaces for indentation.

Maintain consistent formatting throughout the codebase.

3. Comments

Add comments to clarify complex logic or non-trivial code sections.

Document function/method headers, explaining their purpose, parameters, and return values.

4. Documentation

Provide JSDoc-style documentation for functions, including parameters and return types.

Document external APIs, classes, and significant modules.

Include usage examples and important considerations.

5. Error Handling

Implement consistent error handling practices.

Log errors with relevant details for debugging purposes.

Provide clear and informative error messages to users when appropriate.

6. Code Organization

Break down code into small, focused functions or methods.

Group related functions/methods within the same class or module.

Organize files and directories logically.

7. Consistent Styling

Adhere to JavaScript best practices and style guides (e.g., Airbnb JavaScript Style Guide).

Maintain consistency in stylistic elements such as brace placement and line breaks.