SpeedFill Style Guidelines

General Formatting

- ☐ Indentation & Spacing: Handled by Prettier.
- ☐ Quotation Marks: Managed by Prettier settings.
- ☐ Line Length: Aim to keep lines concise, ideally under 80 characters.

Naming Conventions

- ☐ Components: Use capitalized (PascalCase) names.
- ☐ Variables and Functions: Use camelCase.
- ☐ Function Names: Should clearly describe an action (use verbs)

Component Organization

- ☐ Group related state variables together.
- ☐ Order component methods logically (e.g., initialization, effects, event handlers).
- ☐ Place helper functions after the main component logic.

Documentation Requirements

- ☐ Functions: Document any function that is 5 lines or more, or where the purpose isn't immediately obvious.
- ☐ Variable Groups: Add documentation for groups of 2 or more related variables.
- ☐ AI-Generated Code: Clearly mark and document blocks of AI-generated code that are of significant length. For instance, add comments before and after such code sections to indicate their origin.

File Organization

- ☐ Place related components in appropriate directories.
- ☐ Utilize index files to simplify imports.
- ☐ Ensure each component file is focused on a single responsibility.

Error Handling

- ☐ Implement proper error handling for asynchronous operations.
- ☐ Use try/catch blocks where appropriate.
- ☐ Log errors for debugging while showing user-friendly error messages.