

# HomePage.tsx/HomePage.test.tsx

## Code Inspection Checklist

### 1.Java & Typescript

#### General Review

#### Checklist

Reviewer: Daniel Benesh

Reviewed File: HomePage.tsx, HomePage.test.tsx

##### 1. Variable Declaration

- ☒ Are variable names informative?  
Yes
- ☒ Are variable names unique (not confusing or similar)?  
Yes
- ☒ Are variable names following chosen capitalization conventions (camel case)?  
Yes
- ☒ Are variables properly initialized?  
N/A
- ☒ Are variables labelled as private or public based on their use?  
N/A
- ☒ Is every declared variable used?  
Yes
- ☒ Is there excessive use of unnecessary temporary variables?  
No

##### 2. Methods and method signatures including return and input types

- ☒ Do method names reflect method functionalities?  
N/A
- ☒ Do method expected return values match the intended use of the return value?

N/A

- ☒ Do methods have safeguards for problematic/unexpected input?

N/A

- ☒ Is there a high cohesion between the methods within the same class?

N/A

### 3. Class definitions and grouping into packages ( Java )

- ☒ Do object classes reflect the required elements of the program?

N/A

- ☒ Are classes placed in the appropriate packages reflecting the nature of their use?

N/A

- ☒ Are classes in different packages loosely coupled?

N/A

### 4. Control flow Defects

- ☒ Are Switch cases used instead of if/else blocks when appropriate?

N/A

- ☒ Are While loops successfully terminated to avoid infinite loops?

N/A

- ☒ Are control flows used efficiently in the handling of erroneous input?

N/A

## Typescript Review Checklist

- ☒ Are type annotations and inference used?

- NA

- ☒ Are strict Null checks in place?

- N/A

Use type inference, type annotation, and generics.

## Rollbar Review Checklist

- ☒ Is Rollbar being used consistently?

- N/A

## Front End (TS & ReactJS)

- ☒ Is the single responsibility principle applied to react components?
  - N/A
- ☒ Are container components used strictly for managing state and business logic?
  - N/A
- ☒ Are presentational components used for UI rendering and logic strictly?
  - Yes
- ☒ Are related components, styles, and assets grouped within the same directory?
  - Yes
- ☒ Are functional components used instead of class components if possible?
  - N/A
- ☒ Are React hooks used to manage & control state & effects in functional components?
  - N/A
- ☒ Are hooks called at the top level of functional components?
  - N/A
- ☒ Are unnecessary re-renders avoided?
  - Yes
- ☒ Are local component states prioritized for UI-specific state matters?
  - Yes

### Additional Notes:

HomePage.tsx

There is very little functionality to the HomePage. It is mainly UI. No functions, if-then/switch statements or loops. Mainly just links to other pages.

Once Login and Signup buttons have functionality, there will be much more to test.

HomePage.test.tsx

Proper Unit tests are performed on this page. The text rendered on HomePage.tsx is checked and rendered successfully.