

Test Assignment

The assignment include 2 sections: candidate only need to fulfill requirements in the Must Have sections to become eligible for Review Result. The Nice To Have section is a bonus one.

We also provide Figma Design and Json Mock server for references

A/ Must have

I. Functional

1. UI / UX

- UI matched with reference Figma Design or you could design yourself (please attach Design File in the Result Pack)
- Have Responsive Design support for Desktop / Tablet / Mobile

2. Capabilities

- User must have data which is fetch from API (Any of localhost server / mock tool / public mock...)
- User can search, filter result base on 1 criteria.
- User can See more (load more) data
- System handling when
 - Data is being loaded
 - Empty / No data returned
 - Other Common Exception
- System can auto refresh data after 60 seconds

II. Non-functional

1. UI / UX

- Candidate can apply any UI Framework if needed

2. Development

- Use TypeScript

3. Code Styling

- Have Code Formatter
- Have Code Lint

4. Code Structure

- Well organized
- Separate components

5. Code Quality

- Unit Test Coverage > 40%

6. Deployment

- Repository naming rule: `tymex-interview-frontend-<candidateName>`

B/ Nice To Have

I. Functional

1. UI / UX

- Basic Animation: Page Transition, Fade-in / Fade-out component

2. Capabilities

- Can implement a new feature / capability that not existed in the Must Have section
- Search support multi criteria.
- Auto trigger search when some criteria changes

II. Non-functional

1. UI / UX

- Apply Ant Design
- Or styling the app with pure/vanilla CSS

2. Development

- Have custom Hooks (For Reactjs / Nextjs)
- Have Higher-Order Function
- Code Comment
- Separate config into environment file.
- Apply Lazy Load
- Apply Skeleton Load

3. Code Quality

- Unit Test Coverage > 80%
- Have Component Test / Integration Test / End to End Test

4. Performance

- Debounce Pattern

5. Deployment

- Well define commit Message
- Have working demo online

C/ Resource

Figma Design

<https://www.figma.com/design/5vYZWIUgTNJ1Ud7RfV2zq4/Untitled?node-id=0-1&node-type=canvas&t=U1h5f5jmBZLF07J0-0>