TypeScript and Vue Components

- Add a **lang** attribute set to **"ts"** to the **<script>** tag.

- If using the **Options API**, import the **defineComponent** function from Vue and pass the component configuration object into it.

- If using the **Composition API**, you can use either **setup** or return an object with named properties.

Inference

- TypeScript will do its best to infer types for both Options API and Component API. If it makes a mistake, give it an explicit type annotation.

- You can use any valid TypeScript code (i.e., interfaces, types) in the **<script>** section.

Mocking out Axios

- TypeScript does not recognize what the **vi.mock** method does at runtime.

- Use the **as** syntax to tell TS that an imported function/class/etc. is of type **Mock** from **vitest**.

Exploring Types

- Explore the types for functions from other libraries. For example, **axios.get** accepts a generic type argument that represents the object type of the API response.

- The more details we provide to TypeScript, the better it can type check.