



## APP SOFTWARE ENGINEER TEST

For this test, you will create a small web app using React, based on an existing inVision design. The aim is to replicate the design as faithfully as you can.

The design has three pages:

- A home page with some static content, including images and text. The top carousel should load data (image and strapline text) from an external REST endpoint, listed below.
- An about us page, with purely static content.
- A contact-us page consisting of a single form, which on submission should post data to an external REST endpoint. The form should be validated and behave correctly when the API responds.

A nav bar should be present on all three pages, as well as a footer element at the bottom of the page. The design contains a “Log In” button, but this does not need to do anything in your app.

We will judge your submission on its appearance, performance, and on the quality of the app’s underlying JavaScript. Good luck!

## RESOURCES

There are separate designs for the desktop and mobile views of the site. The desktop design can be found at <https://invis.io/92U5LEC4HFW>. The mobile design can be found at <https://invis.io/7HU5N51T4US>.

We have created a REST API which your submission should access. Its root URL is <https://interview-assessment.api.avamae.co.uk>, and documentation for its endpoints can be found at <https://interview-assessment.api.avamae.co.uk/index.html>.

## REQUIREMENTS

- The app should be a Single Page Application (SPA), made with React.
- The most recent version of React should be used. Use of React hooks is permitted, but not required.
- The app should be bundled and minified using a tool such as WebPack or Parcel. Use of the [Create React App](#) tool to achieve this is encouraged.
- Use of [TypeScript](#) is permitted, but not required. Use of other compile-to-JavaScript language is not permitted.
- Components requiring external information from APIs should display an appropriate view while data is pending, as well as when they have encountered an error.
- For styling, use external style sheets rather than inline styles. Use of a CSS preprocessor, such as SASS, is permitted. Use of a styling framework like Bootstrap or Bourbon is not.
- The app should use a routing library to simulate movement between the following routes:
  - Home: /
  - About Us: /about-us
  - Contact Us: /contact-us

## SUGGESTIONS

You are welcome to use the following libraries. Their use is not required.

- For the animated carousel, [Swiper](#).
- For routing between pages, [React Router](#) or [Reach Router](#).