

Red Apple Digital

Front End Developer Test

THE BRIEF

Build an interactive SPA for displaying dynamic content based on provided designs.

Detailed brief:

This exercise is about testing your approach and wider understanding of web technologies, dealing with asset limitations, as well as demonstrating your technical abilities. The test consists of 2 parts – mark-up and styling of a template and the implementation of a JavaScript driven component within it.

An additional challenge is that only incomplete mockup images have been provided. You will need to demonstrate your expertise and experience in-order to build an accessible, standards based SPA in-line with what you understand about best practices.

How elaborate and creative the page elements are is totally up to you, however the page should fulfil the following criteria to be acceptable as an Minimum Viable Product.

MVP Requirements:

- The site should be at least single A compliant against the WCAG 2.0 Accessibility guidelines.
- It needs to use valid HTML5 and either make use of a CSS preprocessor or styled components.
- It should be device agnostic and work effectively across all breakpoints.
- It has to work in all modern browsers and provide graceful fallbacks for IE11.
- Build as a Single Page Application.
- Demonstrate usage of State management.
- Demonstrate sensible usage of React Hooks and advanced JavaScript methods.
- Styled as accurately as possible.
- Demonstration of SEO and page performance best practises.
- Content pulled in via a (dummy) REST API endpoint.
- Feel free to use a framework/starter that you normally use.

Functional Specification:

- Destination tile:
 - On mouseover / tap the active state of the tile is displayed and the word 'Destination' should be replaced with the Destination name.
- CTA Button:
 - On click / tap on the CTA button should refresh the content of the Destination tiles with the next 6 destinations in the database.
 - There should be a loading state for the CTA and the destination tiles (the request can be delayed to demonstrate this).
- Social share buttons:
 - On click / tap, the page meta content should be pulled into an appropriate sharer function. This should include an image, title text and description text.

We would like you to show off your skills as much as you can, so please feel free to add any behaviours/animations that you feel would benefit the page to make it a user-friendly and engaging piece.

Supplied:

- WebsiteCopy.txt for website content, so you can copy and paste the text.
- Mockups for desktop & mobile/tablet.
- Background images.
- Fonts.
- Norwegian Air Logo
- Footer icons.
- Icons for the buttons.

On completion:

1. Upload your codebase to your github account and share with us.
2. Alternatively send us the website in a zip file with instructions on how to run.