

# Junior developer evaluation

## Introduction

The attached PSD file includes a screen mockup for a web application's UI. If you do not have access to Adobe Photoshop, the file can also be opened using freeware software known as GIMP (<https://www.gimp.org/>). Our goal is to evaluate your knowledge on fundamental web development concepts.

## Brief

Using the PSD artwork as a guide, implement the sample user interface using an appropriate combination of HTML, CSS, and JavaScript.

- The UI is proposed to be used in a full-screen web application
- The primary target device is an Apple iPad Air, although the UI should be usable on other devices
- The fonts used in the design are available for use via the Google Fonts service (<https://fonts.google.com/>)
- If necessary, favour consistency and clean implementation over pixel-perfection
- **For bonus credit**, have the charts populate with random data on every page load
- **For bonus credit**, implement a dynamic aspect in the layout without reloading the page - for example, have the chart data update and animate to the new data when tapped or clicked

You should not spend more than two to three hours on this project. **We are NOT expecting you to produce a production-ready, complete UI implementation.** We want to understand your approach to laying out an interface and how you undertake different problems. If you feel a particular solution would take too long to implement, a short note explaining what you would have liked to do is sufficient.

## What we are looking for

Mockups will be evaluated against a number of core web development concepts, including:

- Appropriate selection of HTML elements - is the markup readable? Does it accurately represent the hierarchy of the information being displayed?

- Robust layout construction - are the positions and sizes of core layout segments reliable? Are they able to be resized or reordered a consistent way?
- Sensible and clear naming scheme for JavaScript variables and functions, CSS classes, and HTML attribute values - is it easy to understand what each piece is doing?
- Modular implementation - are page elements separated cleanly into individual components?

## Feedback

We are working hard to ensure our recruitment process is fair, accessible, and appropriate for the level of the position available. If anything about the task is unclear or you require any of the documents in a different format, please get in touch and we will do our best to help.

In addition to your project files, we would also like to hear your thoughts on the task once you have completed it. Reflection and evaluation is important to how we work; you may want to consider some of the following questions when documenting your response: What went well? What did you enjoy? Where was the challenge in the task? What learnings will you carry forward? What might you do differently next time as well as any other reflections you would like to share.