

About this Project

Communicating with APIs allows you to work with microservices and with vast databases to build useful tools and relevant information quickly and easily. You can build utilities, games, infographics, and more. You can also integrate, display, and analyze social media and large data sets without having to create and curate them yourself.

For this project, you'll build an app for a fictional company called Awesome Startup, a distributed company with remote employees working all over the world. They need a smart way for employees to share contact information with each other.

You'll use the Random User Generator API (<https://randomuser.me/>) to grab information for 12 random "employees," and use that data to build a prototype for an Awesome Startup employee directory.

You'll request a JSON object from the API and parse the data so that 12 employees are listed in a grid with their thumbnail image, full name, email, and location. Clicking the employee's image or name will open a modal window with more detailed information, such as the employee's birthday and address.

You may use jQuery with this project, but other frameworks, libraries or plugins are not permitted. While there are plugins that can help with the creation of a gallery and modal setup, it is important for developers to be able to understand how tools like that work "under the hood". So you'll need to write all your own JS or jQuery to create the necessary functionality for this project.

After building this project, you'll have yet another excellent portfolio piece to show off and demonstrate your incredible skills, which will now include working with public APIs, making API requests, and asynchronously handling the data that will be returned from your requests and displayed in an app.

Topics to Study

- The terminal
- Git
- HTTP Basics
- Asynchronous Programming with JavaScript
- How to work with a Fetch API