



# Front-end Developer Challenge

## Introduction

We at AppDirect are interested in what you can do with JavaScript, HTML, and CSS. Your task is to build a small web application on [Twitter's REST API](#). Complete any number of the steps below within 7 days of us sending you this document. **You may use any libraries or frameworks you need to complete the task.**

When you are finished, send us a link to a Git repo: Github, Bitbucket, Gitlab, etc. Alternatively, create an archive and attach it to an email.

Your solution will be evaluated using the following criteria

- Following the requirements
- UI and user experience quality
- Code quality (correctness, organization, best practices, idiomatic code, design)

If you have any questions or concerns please email your recruiter ([julien-pier.boisvert@appdirect.com](mailto:julien-pier.boisvert@appdirect.com) or [jennifer.solman@appdirect.com](mailto:jennifer.solman@appdirect.com))

## Part I: Get the starter code.

*Pre-requisites: You must have Node.js and npm installed.*

We provide a Yeoman Generator to set up a simple development server and proxy for the Twitter API. After installing Yeoman (`npm install -g yo`), you can install it from the command line:

```
> npm install -g https://dl.dropboxusercontent.com/s/4bngdahx7y6ydpv/ad-generator.tar.gz
```

Create a new folder for your project and move into it then invoke the Yeoman generator and follow the instructions:

```
> yo appdirect-challenge
```

If you're not comfortable using Yeoman or would prefer not using it, [here is a link](#) to a zipped archive of the starter code. You should make sure you update the files with your name, Twitter API key, and contact information.

README.md inside the starter code has additional instructions on how to develop using the provided server:

```
> npm start
```

## Part II: Minimum Requirements

Use the [Twitter API](#) to display three columns containing the last 30 tweets from [@AppDirect](#), [@laughingsquid](#) and [@techcrunch](#). Each tweet should include:

- The tweet content
- A well-formatted created\_at date
- A link to the tweet
- For retweets and mentions, the username should be included.

## Part III: Additional Requirements

Create a view to change the settings of your web application. Settings could include for example:

1. The order of the columns.
2. The time range of the tweets shown.
3. The number of tweets shown in each column.
4. The overall palette/skin of the page.

Use **LocalStorage** to persist and load the layout settings. Use your understanding of user experience to choose how to display this form in a way that is clear and easy to understand for the user.

## Part IV: Optional requirements

At this point, you have fulfilled all the basic and additional requirements. If you feel inspired, here are more things you could do:

- Ensure a good responsive experience on mobile phones and tablets
- Use an interaction (like drag and drop) instead of a form field to order the columns
- Add another feature you feel is missing from our application

## Part V: Challenge complete

Email your recruiter directly with the information they need to get your code.

Thank you,  
AppDirect