

Cota Front-End Coding Challenge

Purpose

The goal of this exercise is to get a feel for your coding style and comfort level with using Angular as a front-end framework. This will also serve as a discussion topic for an on-site interview, where you will be asked to explain the code you have written and discuss what changes (if any) you would have made if you had more time.

Instructions

From Table 1, implement both the required feature and one (1) optional feature. Follow the designs (Figures 2 and 3) as you build these features. Plan to spend 2-3 hours to complete this exercise.

Guidelines

We've included a base project to get you started (see Figure 1). Feel free to make changes to what's already provided, but also be prepared to discuss and defend why you did.

- Be sure to do your best to style the selected features to use best practices for Angular and SASS
- Try to avoid importing any modules
- Don't worry about data persistence
- Do your best to write clean, maintainable, and reusable code
- Bonus points for tests!

Exercise

Table 1: Features

Features	Description
Required	Ability to enter task due dates (with proper date validation)
Optional: Pick any one	<ul style="list-style-type: none">• Ability to sort tasks by text or due date• Ability to filter tasks by text or due date• Ability to change task order by dragging and dropping• Ability to view completed tasks and "un-complete" them

Styling

We've also included design examples (see Figures 2 and 3). Get as close as you can to the designs while trying to limit yourself to the 2-3 hour time frame.

- Angular Google Material is included in the repo if you prefer
- Icons are stored in assets/icons
- Final design doesn't need to be pixel perfect
- Don't worry about cross-browser compatibility, accessibility, and responsiveness

To Do List!!!!!!

☐ Buy treats for the dog

Add TaskCancel

Figure 1: Provided Base Project Implementation

To Do List: Sort by: text date ▼ ▲

⋮ ○ Buy treats for the dog 8/1/2018

⋮ ○ Call vet for annual check-up 8/31/2018

▼ 1 completed

✓ ~~Buy food for the dog~~ 7/24/2018

+ New Task

Figure 2: Default State

To Do List: Sort by: text date ▼ ▲

⋮ ○ Buy treats for the dog 8/1/2018

⋮ ○ Call vet for annual check-up 8/31/2018

▼ 1 completed

✓ ~~Buy food for the dog~~ 7/24/2018

New Task

Return the toy

Due By

8/1/2018

add

Figure 3: Entering Data