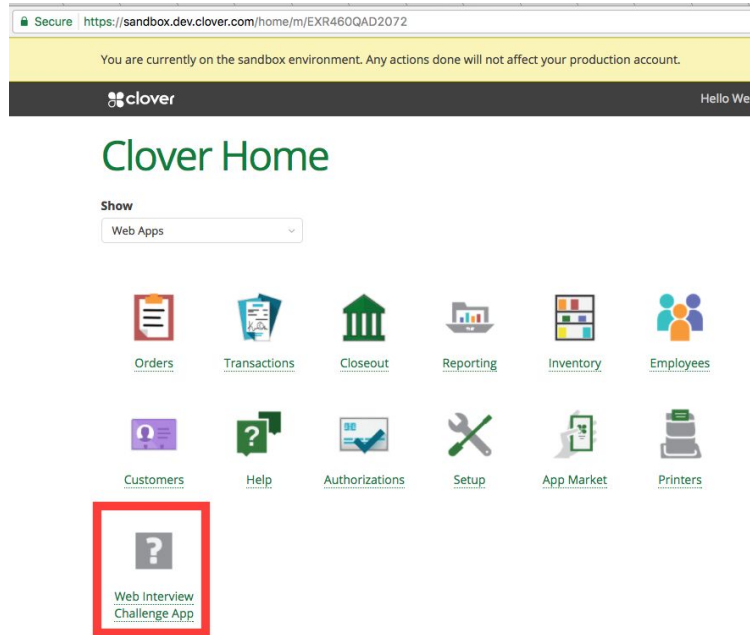


Clover Technical Challenge - Web

Congratulations on making it to the next step in Clover's interview process! For this next step of the interview, we'd like for you to create a simple, single-page inventory management and visualization web app using Clover's Inventory API. For the purposes of the interview, we have set up a merchant account and this web app skeleton for you in our sandbox environment to get you started.

Setup Instructions

1. Navigate to the project directory from your terminal
2. Run `npm install` to get the project dependencies
3. Run `node server.js` to launch the local express server
4. Log in to the Merchant Dashboard at <https://sandbox.dev.clover.com/home/login> with the separately provided merchant login credentials



5. Launch the "Web Interview Challenge App" from the merchant dashboard should show the following:



6. Begin development in the `your-code-goes-here` directory using the merchant ID and access token shown in the Challenge App

Technical Requirements

Your web app is expected to have the following functionalities while following the provided design mocks as closely as possible:

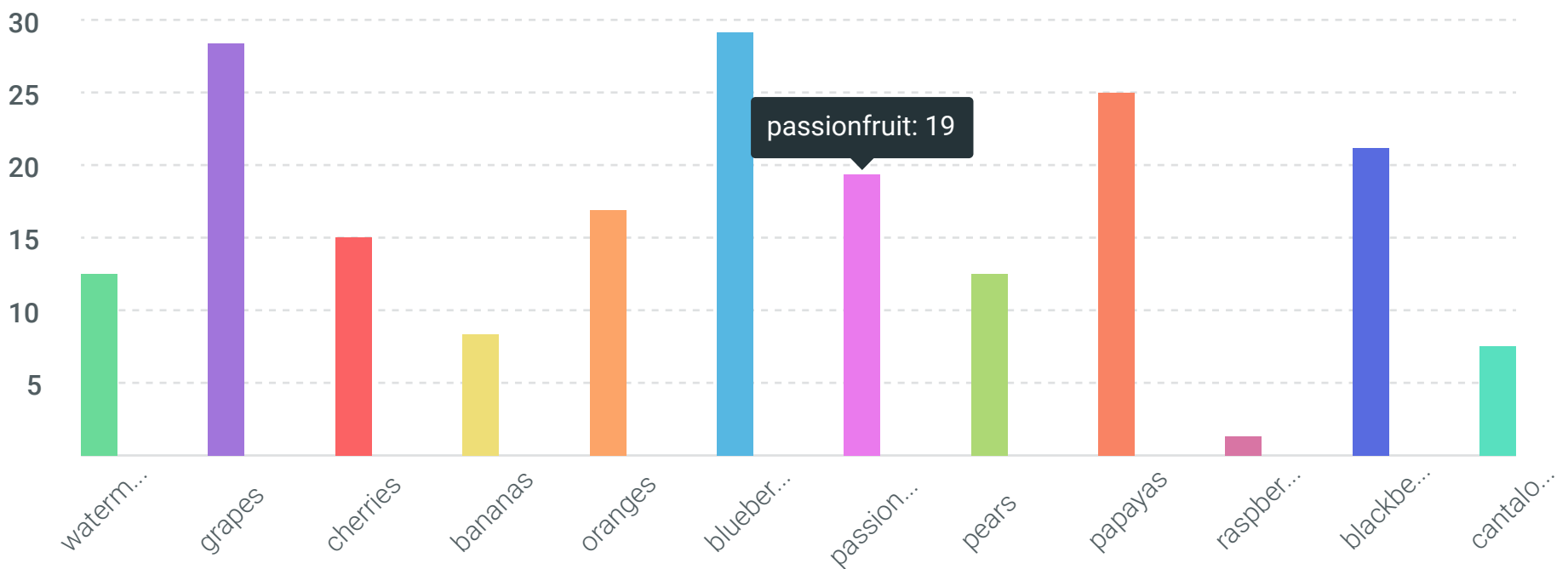
1. Display the merchant's inventory items in both table and chart form (screen 1)
2. Create a new item in the merchant's inventory via a modal (screen 2)
3. Delete an item from the merchant's inventory, with a modal warning/confirmation (screen 3)
4. Update name and quantity for existing inventory items via a modal - bonus points for reusing modal from #2 (screen 4)
5. Ability to sort by item name (alphabetical) and quantity columns
6. Time permitting, add unit tests for components used for the table and pop up modal

You can use Clover's Inventory app in the merchant dashboard to "seed" your merchant with inventory items if you can't get item creation to work. You can also use it to verify whether the inventory is being updated properly.

Notes

- We'd prefer if you used a MVC frontend framework (Angular.js, Ember.js, React, etc.) for this challenge, as we use Ember.js for our web apps, but it is not a requirement
- Feel free to use any 3rd party library for this challenge (eg. d3, bootstrap, etc)
- Familiarize yourself with the [Clover Docs](#) and Clover's [Inventory API](#)
- You have 24 hours to submit the challenge from the time you download the challenge, and you can use any amount of time you'd like, but we don't expect you to spend more than 3-4 hours on it
- Include instructions for how to start your app, if needed
- Tip: Try not to get stuck on a single feature, and focus on implementing as much of the functionality as you can

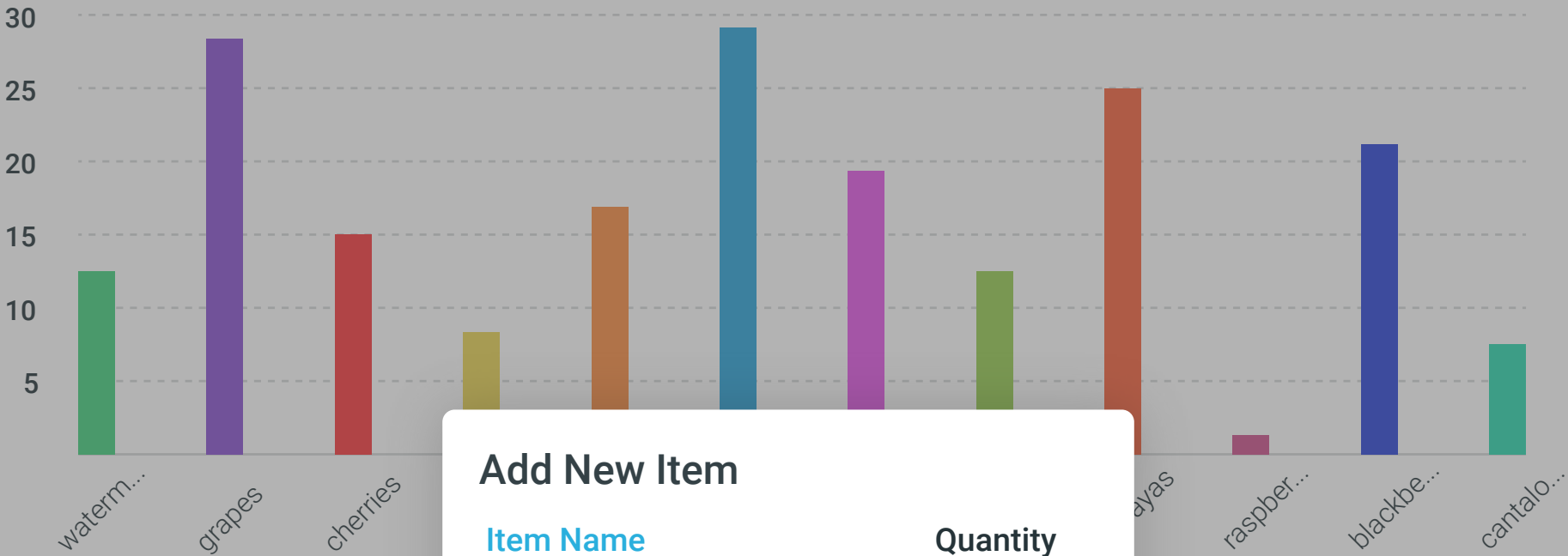
When you are done building your web app (or after 24 hours), please upload the zipped project folder to candidates.clover.com



Inventory Items

ADD NEW ITEM

Item Name	Quantity	Edit	Delete
watermelon	13		
grapes	28		
cherries	15		
bananas	8		
oranges	17		
blueberries	29		
passionfruit	19		
pears	13		
papayas	25		
raspberries	2		
blackberries	21		
cantaloupe	7		



Inventory Items

Item Name	Quantity	Edit	Delete
watermelon	13		
grapes	28		
cherries	15		
bananas	8		
oranges	17		
blueberries	29		
passionfruit	19		
pears	13		
papayas	25		
raspberries	2		
blackberries	21		
cantaloupe	7		

Add New Item

Item Name

Anot

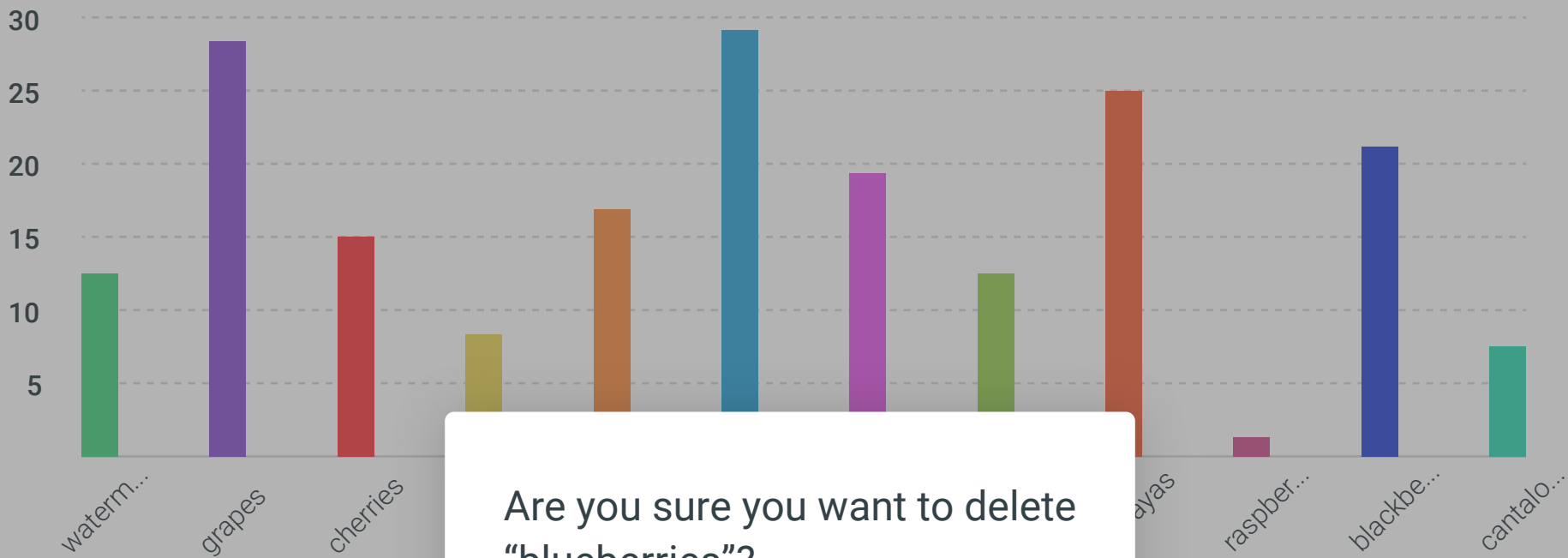
Quantity

0

CANCEL

ADD

ADD NEW ITEM



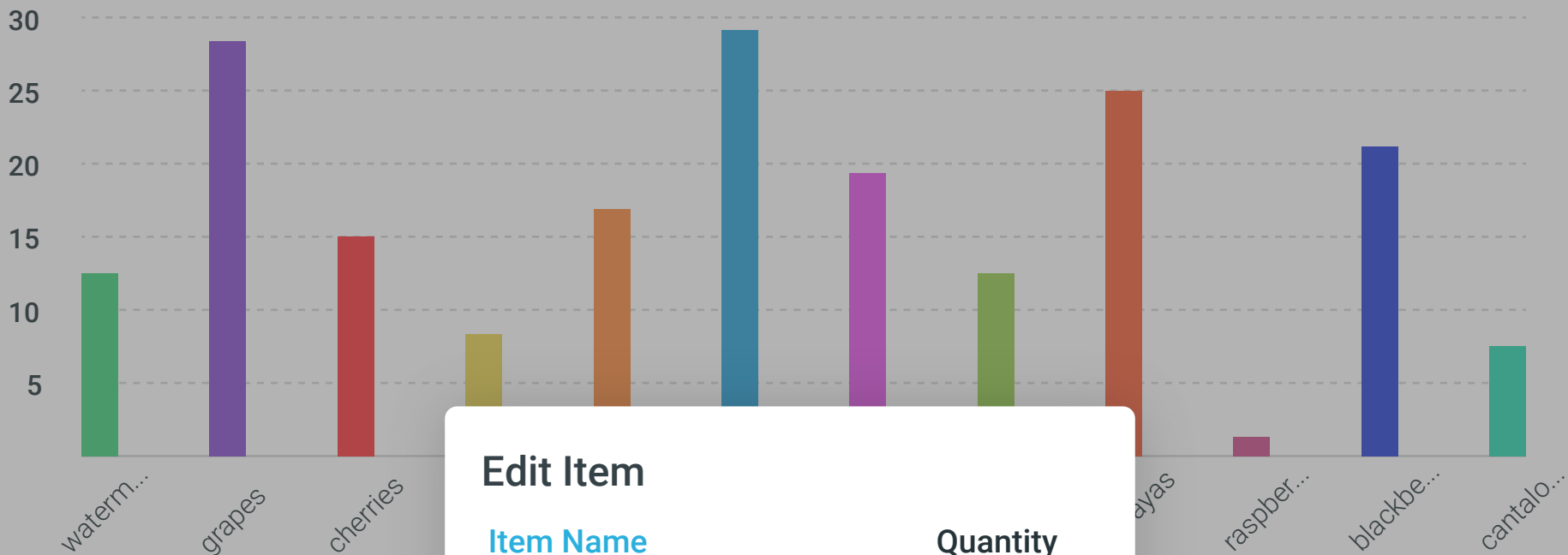
Inventory Items

ADD NEW ITEM

CANCEL DELETE

Are you sure you want to delete “blueberries”?

Item Name	Quantity	Edit	Delete
watermelon	13		
grapes	28		
cherries	15		
bananas	8		
oranges	17		
blueberries	29		
passionfruit	19		
pears	13		
papayas	25		
raspberries	2		
blackberries	21		
cantaloupe	7		



Inventory Items

Item Name	Quantity	Edit	Delete
watermelon	13		
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passionfruit	19		
pears	13		
papayas	25		
raspberries	2		
blackberries	21		
cantaloupe	7		

Edit Item

Item Name

passionfruit

Quantity

19

CANCEL

SAVE

ADD NEW ITEM