

Front-end JavaScript Project

Summary

We need a quick prototype of an intuitive, good-looking single-page JS app for our invoicing system. I don't expect it to be fully functional, but the more complete the better, so that we can understand if we're going in the right direction. Build off the basic node js app we created that provides a simple JSON API and a way to host your assets.

You can use any of following frameworks:

- Angular2+
- React
- Vue.js

Background

We're a 4 year-old company named MOCK that makes various products. I started building a simple invoicing system for us to keep track of customers, products and invoices but I'm overwhelmed with other projects and need help!

Development status

I've finished the backend JSON API using standard REST routes in a node js app (outlined in the README). I'd like you to build a single page javascript app using this node js app and the JSON API as your starting point.

Git repository with back-end code, instructions of how to set up the back-end and documentation for the API can be found here <http://git.codemotion.eu/hr/javascript-invoices> .

Main deliverables

This section should take around 1 hour but you should complete this section within 3 hours.

- Use standard Bootstrap components for the UI
- Place all assets inside the /public directory. Do not create a separate application to serve your assets.
- The default page should be a list of existing invoices. This page should have a button for creating a new invoice.
- The invoice form should support selecting an existing Customer
- The invoice form should make it easy to browse and add existing Products (you should be able to add any number of products)

- When a Product is added there should be a way to edit the quantity
- There should be a place to enter a discount for the invoice (a percentage discount)
- At the bottom of the page you should show a dynamically calculated invoice total. This total should take into account the quantity and price of each product and the invoice discount
- As changes are made on the invoice form they should be automatically saved through the API (don't require use of a Save button)

When you are done, please upload the result to Git and send the link to hr@codemotion.eu with list of included bonus deliverables.

Bonus deliverables

The following deliverables are not required but are nice-to-haves. If you choose to implement them, it should take around 1 hour but you should complete this section within 2 hours. You can complete any number of the bonus deliverables; you don't need to complete all of them.

- From the invoice form, make it possible to add a new Customer that is not already in the system. It should be possible to add a name and all other fields.
- From the invoice form, make it possible to add a new Product. It should be possible to add a name and price.
- Make it possible to edit existing invoices.
- Create a page that lists existing customers with the ability to edit them
- Create a page that lists existing products with the ability to edit them

Extra bonus task (really not required, only if you want to)

You can change backend database storage to mongoDB and rewrite code to work with mongoDB collections.

When you are done, please upload the result to Git and send the link to hr@codemotion.eu with list of included bonus deliverables.