

Full-Stack Developer Technical Test

This exercise is an opportunity for you to create some working software and present it to Spidertracks's technical team for review. It is expected that it will take several hours to complete the challenge. Spidertracks will let you know when we require the exercise to be completed - normally within 5 days.

Requirements

You are required to provide an application that allows a company to see their customer information. This functionality is typical in Customer Relationship Management systems.

Customers have the following information associated with them:

- Unique identifier.
- Status: "Active", "Non-Active", "Lead"
- Creation date and time.
- General information like name and contact details of the customer.

The company wants to record sales opportunities for each customer. A customer can have any number of sales opportunities associated with them. The following attributes should be saved for the opportunity:

- Status: "New", "Closed Won", "Closed Lost"
- Name of the opportunity

The user should be able to:

- Filter and sort the list of customers.
- Click on a customer in the list to view their details and add/edit opportunities for that customer.
- Change the status of the customer.

Notes

1. Construct a full-stack application with a user interface and a data store
2. You may use any programming languages, data store and frameworks you want.
3. A user interface for editing customer details other than their status and the opportunities is not required.
4. Think about all of the supporting code you may need for a professionally built application.

Submission

In order for us to assess your work:

- Upload your project to a public GitHub repository
- Include a readme.md to allow another developer to quickly orient themselves to your solution without needing to talk to you directly.
- Send an email to Spidertracks with the name of the GitHub repository.