Developer Technical Test

Requirements

You are required to provide an application that allows a company to see their customer information.

Customers have the following information associated with them:

- Unique customer identifier.
- Status: one of "prospective", "current" or "non-active".
- Creation date and time.
- General information like name and contact details.

The company can also make notes for each customer. A customer can have any number of notes associated with them.

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 notes for that customer.
- Change their status.

Notes

1. Construct a full-stack application with a browser user interface and 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 notes is not required.
4. The application should be structured so that an external system could read and write data to it over a web API.
5. Think about all of the supporting code you may need for a professionally-built application.