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Full Stack Developer Test

In this short fullstack assignment you will implement BE server utilizing simple REST API, and a client side which consumes and use this API.

In the end you should have a simple profile management system in your hands, with the abilities of:

1. Creating new profiles
2. Editing a profile
3. List all profiles

In the attached documents you can find simple sketches which describe the task and its UI.

1. Backend

General guidelines

The focus of this exercise is on good design principles rather than quantity of code. It's more important that your code be well documented and organized rather than functionally complete.

You don't have to worry about authentication, security, error checking, or validation. You can allow CORS from any origin by default.

Technologies:

The server should be written in Node.js (e.g. with Express)

Choose any of the following databases:

- MongoDB, CouchDB, or Elasticsearch
- MySQL, SQLite, or PostgreSQL

See **sample-data.json** for some sample data your database can contain.

Requirements:

Create a REST API with the following functionality:

- *List profiles (ids and names only)*
- *Post a new profile*
- *Get single profile data - id, name, bio, fb_id*
- *Update a single profile*

2. Front End

Technologies:

Choose any open source javascript libraries and CSS frameworks.

(e.g. Angular, React + Redux, jQuery, or vanilla javascript)

General guidelines

Your code does not have to be backwards compatible with previous browser versions. It's enough for it to work on the latest version of Chrome.

Though no major focus is put on styling, it's important you don't submit raw html with no CSS.

Hint: use a CSS framework like Bootstrap or Foundation.

Requirements:

Create a single page application (SPA) that consumes the API you wrote via AJAX requests. See screenshots for example.

- A user should be able to add new profiles to the system (form on top of page)
- A user should be able to list all profile names (body of page)
- When an edit button is clicked for a profile, a modal window should pop up with the profile's name and picture in the title, and a form to edit the profile, pre-populated with existing information
- Clicking "Save changes" should update a profile

To display profile pictures, you'll be using the Facebook API endpoint:

http://graph.facebook.com/{fb_id}/picture

Good luck!