

Projeto Final

This document contains the specification for the final project to be delivered by the end of this recruitment process realized at the Federal University of Ceará, campus Quixadá.

1 Required Knowledge to execute the project

- HTML
- CSS (Bootstrap)
- Node.js
- HTTP Requests
- Async Calls

2 Tools to be used

- IDE → Visual Studio Code (or any other you prefer)
- Rest Api → <https://cryptic-retreat-41638.herokuapp.com/api/contacts>
- Insomnia/Postman/Others → Software to test APIs requests

3 API Description

The Rest API that is going to be used for this project is solely for learning purposes.

It contains a few endpoints (urls you can call with the correct method).

- Listing contacts → /contacts
- Register a contact → /contacts
- Update a contact → /contacts:id
- Delete a contact → /contacts/:id
- Get a contact → /contacts/:id

You might have noticed the URLs are almost the same. Use the knowledge you acquired until now and find out what HTTP methods you should use for each request.

4 Project Description

For this project it's required that you make use of all the concepts and technologies you have learnt during the first 3 days of this training.

Basic features to be implemented:

- Search Page
- Register Page

- List Page

4.1 List Page

Create one page where you are going to list all the existing contacts (just their name and email)

Contacts List

dsadsadsa

dsadasdasdas@gmail.com

Edit

Delete

Jane Silva

johndoe@gmail.com

Edit


Delete

4.2 Register Page

Create one page where you are going to display a register form where the user must inform the following data:

- Name
- Email
- Gender (in a dropdown list)
- Phone

After submitting the form, you must display the list page again



OSF Global Services

Below is an example form built entirely with Bootstrap's form controls. Each required form group has a validation state that can be triggered by attempting to submit the form without completing it.


Contact Form

First name

Email (Optional)

Phone Number

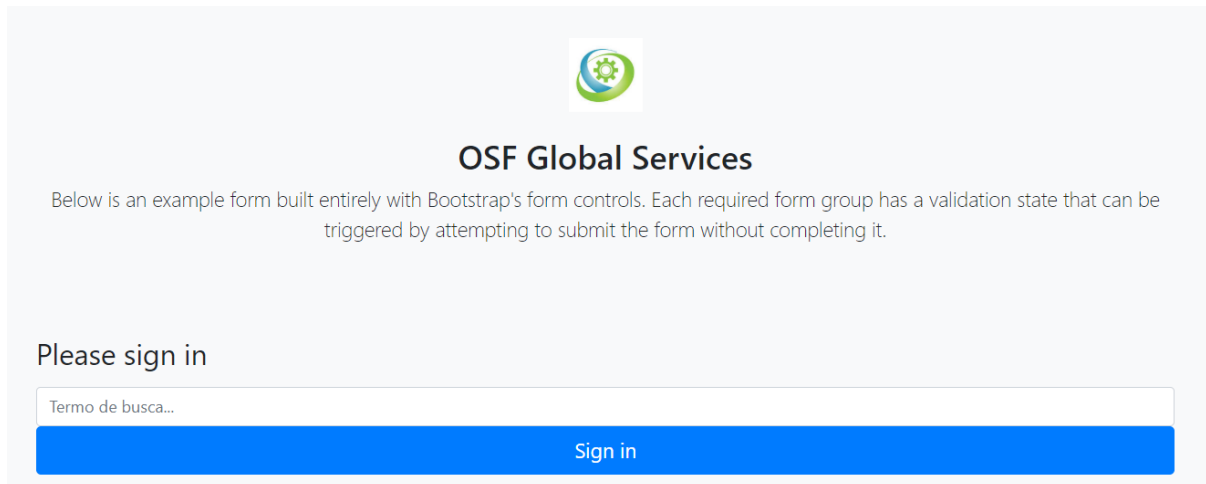
Gender

Choose...

Register Contact

3.3 Search Page

Create one form with just one field where the user will insert a contact ID, submit the form and show, into another page, all the contact's information formatted using bootstrap.



The screenshot shows a web form titled "OSF Global Services" with a logo above it. Below the title is a paragraph of text: "Below is an example form built entirely with Bootstrap's form controls. Each required form group has a validation state that can be triggered by attempting to submit the form without completing it." The form itself is a single-line input with the placeholder text "Termo de busca..." and a blue "Sign in" button.

3.4 Extras

3.4.1 Update your List Page

Add 2 buttons, named Update and Delete, for each record displayed. The buttons URL must be configured to call one route where you are going to update the record's data and one where you are going to delete the record.

3.4.2 Update Page

When clicking in the update button related to a certain contact, in the same form you created to register a new contact, show the info related to that contact.

For example, if you click on the update button of the record for a contact with ID=43244323, you should show, into another page, that form, with the contact's data filled into the fields.

3.4.3 Delete Record

On the List Page, the Delete button should make a request to the server, delete the record associated with that button and redirect to the List Page.

3.4.4 Super extra Challenge - MVC

Read the following documentation and adapt your code to the MVC design pattern:

https://developer.mozilla.org/en-US/docs/Learn/Server-side/Express_Nodejs/routes

