

# Backend Developer Internship Assessment

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Link on Github:

<https://github.com/El-khamisi/backend-coding-challenge>

- **Description**

A website ( based on node.js and express framework) fetching trendy repositories created in the last 30 days from now, then storing the name and the language of code used inside the repository in JSON object in server-side and send all of that to client-side to displaying it to the user in a simple GUI interface with reusability and infantry times to refreshing, there is no fancy Front End according to that it is a backend challenge, but I used plain `HTML5`, some `CSS`, and `VanillaJS` for simple logic needed.

- **Directory Structure:**

- > **The controllers/ directory**

The directory contains controllers to handle requests entering the project. **indexController.js** file handles basic routes for the website.

- > **The node\_modules/ directory**

The directory contains all needed npm modules to compile and start the website perfectly.

> **The routes/ directory**

The routes directory contains all of the route definitions for the project.

> **The testing/ directory**

The directory contains mock JSON data for desired API and a control function I use for testing purposes.

> **The view/ directory**

The directory contains the HTML views as well as the CSS stylesheet, and JavaScript for client-side logic, providing a simple user interface.

> **The index.js file**

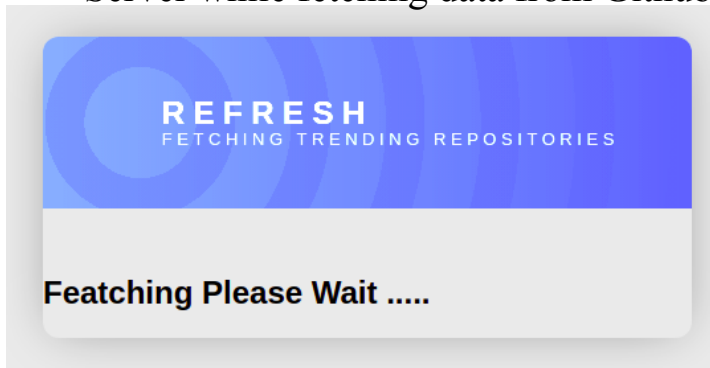
The file contains a basic express server and required middleware, also acting as the entry point for the whole project.

> **The package.json file**

The file contains all npm scripts and Dependencies.

- Snapshots:

Server while fetching data from Github API.



The list of fetching repos after collecting them under specific languages.



The image shows a table with a blue and purple gradient header. The header contains the word "REFRESH" in large white bold letters, and "FETCHING TRENDING REPOSITORIES" in smaller white letters below it. The table has two columns: the language name and the number of repositories. The languages listed are Python, TypeScript, null, Go, and Vim script. The repository counts are 16, 14, 20, 7, and 1 respectively. The counts are displayed in large green numbers, with the word "repositories" in smaller green text to the right.

Language	Repositories
Python	16 repositories
TypeScript	14 repositories
null	20 repositories
Go	7 repositories
Vim script	1 repositories

Click in a specific language will show the sub-list contains repos collected under it and clicking anywhere and sides ( like in red marks) will hide the opened lists.

