

Guayaquil, 12.04.2021

In JustClick Media we have many systems working in a distributed environment. One of them we call "Le Admin", that is the graphic interface that all of our users work on to configure the accounts and digital market campaigns.

As at JCM we are eager for using new technologies this project is developed in Ruby on Rails, hosted on AWS and is connected with other systems inside the constellation of services such as Elasticsearch, Postgres, APM, Docker and Datadog.

On a daily basis we work with tickets written always in English and are with a structure similar to a story such as the following one.

Enjoy Coding!

JCM-001 Ruby Project Web Application

Description

As a Lead Software Developer, I would like to test the programming capacities of a candidate and evaluate their coding style, structure, knowledge and creativity. For this, I would like for a full **Ruby on Rails** project using a Postgres database to be developed.

This project consists on the creation of a web graphic interface in order to establish relationships between **Stores, Products and Categories**

€ The tables' attributes should be at least:

Store	name, street, number, zip code, city, country, products
Product	name, color, category, size, price, stores
Category	name, keywords

€ A **Product** can only be related to max. one **Category**

€ A **Category** can have many **Keywords**, but a **Keyword** can only be part of one **Category**



Acceptance Criteria

- € The interface should integrate Bootstrap and be responsive
- € The interface should include 3 tabs **Stores, Products, Categories** with their respective CRUD functions
- € When clicking on the tabs, all corresponding saved objects should be listed with their basic information and the options to perform CRUD functions (*what qualifies as basic information is left to the opinion of the developer*).
- € When accessing to the tab of **Products** it should have two combos that have to be filled dynamically with the information of Stores and Categories and with an option to select ALL. When changing the combos the list of products has to be filtered according to the selected Store/Category. Also, a textbox is required in the page to filter the **Products** by name.
- € When accessing to the tab **Stores**, the list has to allow update at least two fields directly on it, without going to the edit page. (*street, number, zip code, city, country, etc. Any at developer 's selection*)
- € A new Page should be displayed for when creating or updating a **Store** or a **Product** (form with necessary information). In this page a relationship between them should be able to be established and displayed.
- € A modal box should be displayed for when creating or updating a **Category** (form with necessary information). In these modal boxes it should be possible to perform all CRUD functions on its **Keywords**
- € If any of the saved **Keyword** is mentioned while typing the name for the **Product**, then the corresponding **Category** should be suggested

Bonus Criteria

- Dockerize App
 - Manage hover events to display additional information in products/ stores information
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- Let upload images to stores, products and allow to see them (validate only jpg, png types)

This project should be uploaded to a GitHub repository and shared with the users **LeandroSybilla** and **enriquefabreb** and **jmitep** before **Monday March 8th 2021 at 23:59 UTC-5**.

A **README (.txt or .md)** file with the instructions on how to run your code and a **start.sql** file with all Postgres queries needed to fill up the database with initial data must not be forgotten to be included.

LOTS OF SUCCESS!

WE ARE LOOKING FORWARD TO YOUR APPLICATION!

