Test Full Stack Valiu

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Introduction

At Valiu we believe in speed and design as a key factor in the experience of our products and this challenge is for you to see how fast, reliable and design close is your app and how it responds to changes.

Description

We love to label our data and keeping it synchronized in all of our clients, that's why you need to create a component that creates, edits, removes and list tags. It should broadcast all changes made ;).

Functional Requirements

The component must:

1. **Create** a tag with a name and assigns a random color, the tag has to be inserted at the beginning of the list
2. **Edit** the tag's name.
3. **Remove** the tag.
4. **Synchronize** the list in real time in all clients. If a client A adds a tag "Valiu" then client B should update its list in real time to append the new tag "Valiu" at the beginning of the list, also all changes like the editions and removals of the elements.

Non-Functional Requirements

1. Create unit test for frontend and backend with test coverage.
2. Should look very close to the image below
3. High code quality, we're going to be very strict in this area.
4. Use linter to improve your code style

Technologies:

1. Node.js with typescript.
2. Websockets.

3. Vue + Vuex (or Nuxt).
4. Database optional.

UI Design

NOTES:

1. Deadline is: **1588136400000**
2. Questions: **dev@valiu.co**

Valiu Tech Team