aguadulce

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TITLE

Frontend Assignment

INTRO

This document describes the assignment for any frontend based role in Aguadulce.

**Boutique
Development
Studio**

🎯 Goal

In this assignment, you will be creating a component based UI that will interact with a smart contract.

As part of this assignment you would need to deploy the contract locally. Even if you haven't worked with smart contracts before this should be straightforward and easy, Google your way out 😉.

You can use any UI library (e.g. React, Vue) and framework to help yourself. We don't have any preference as long as you don't use something not widely popular.

💼 Brief

You can find the contract code [here](#).

Your UI should follow these requirements:

- as an owner of the contract, I should be able to create a new Role that is available to members
- as an owner of the contract, I should be able to assign a new role to an address (Member)
- as an owner of the contract, I should be able to see the list of available roles

We suggest the usage of [Drizzle](#) as a base framework of your dApp as that will give you a lot of things for free. In case you don't want to develop with React you suggest you find a Drizzle alternative for your preferred stack.

You can keep the UI simple but added animations/transitions will be evaluated as an extra. We will not judge the layout disposition or the information hierarchy as that will be the job of the designer.

[bonus] If you use TypeScript or a type-based language for your UI
[bonus] If you leverage Chakra UI or Ant Design for your components
[bonus] If you create tests for your UI (up to you the ones that you find meaningful)

🧑‍💻 Deliverables

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- A **git repo** where we can see your codebase and how it evolved as you went through the assignment

- A **README on how to run your project**

- A **short Loom video** where you explain how the development went, challenges you faced and how you have tackled them

- The URL to the instance where the application is deployed

🕵️ Evaluation Criteria

- Code quality and following best practices (e.g. not checking the repo `node_modules`, using `dotenv`, using a linter, etc.)

- We are looking for you to produce working code, with enough room to demonstrate how to structure components in a small program.

- Show us your work through your commit history. Bonus points for well written commit messages!

- **Completeness**: did you complete the assignment? Focus on nailing the assignment before addressing bonus points

- **Correctness**: does the functionality act in sensible, thought-out ways?

- **Maintainability**: is it written in a clean, maintainable way?

Please organize, design, and document your code as if it were going into production - then push your changes to the master branch.

All the best and happy coding. We are looking forward to working together!

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