Full Stack Assignment

Carefully read the information below, and complete the tasks listed at the bottom. Approach these tasks the same way you would approach any of your professional work. Limit yourself to a maximum of eight hours for this assignment. The trade-offs you make with regards to the time constraint will be assessed as well.
If you feel details are missing, you are welcome to make your own assumptions or reach out to scoolen@getrodeo.io with your questions.

Please submit your work by sharing a git repository with us, or alternatively email an archived download of the repo.

User story

"As a project manager, to understand what will be billed to the client, I can see the complete financial impact of a project in a single invoice"

Context

- An invoice consists of one or more section we call phases
- A phase has one or more cost items, which are either billed by the hour or per amount of units
- Over each cost item one of three tax rates, incl. 0%, is added
- A phase can have one fixed price discount or fee
- The entire invoice can have one relative discount or fee
- Fees and discounts happen before tax

Acceptance criteria

- I can see the invoice divided into phases
- I can see the price of each cost item and the applicable tax rate
- I can see the invoice subtotal and total price
- I can see the subtotal price per phase
- I can see the subtotal added tax amount per phase
- I can see the total added tax amount for the entire invoice

Non-functional requirements

- Use React in the front-end
- Use GraphQL for the API

Tasks

- Create a UI that renders a single invoice
- Design (not implement) the relevant API endpoint(s)
- Mock the API in the front-end

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