

Audition Assignment - OAK'S LAB

If you see this assignment - congratulations, you passed the next round of our interview process :)

Core principles:

- We value quality over quantity, be sure your code works.
- The code has to be yours and written from scratch. Does not need to be huge, but needs to be yours.
- Implement the complexity based on your engineering level.
- You can leave TODOs and comments in the code. We know the time is limited.
- Be sure to provide all the info needed on how to run the code.

Your assignment:

Every startup goes through several stages. In every stage, there are necessary steps to be accomplished.

Create a simple application that documents this progress.

My startup progress

1

Foundation

☒ Setup virtual office

☒ Set mission & vision

☒ Select business name

☒ Buy domains

2

Discovery

☒ Create roadmap

☐ Competitor analysis

3

Delivery

☐ Release marketing website

☐ Release MVP

Your timeline:

This task should take approximately 120 minutes to complete.

Choose either frontend, backend, or mobile implementation.

The assignment is vague on purpose and it's up to you what technologies and approaches you use.

Deadline:

We know you might have plans for tonight, a planned holiday or you just want to spend time with your family, and that's ok.

That's why we aren't giving you a deadline and instead we're asking you to set your own deadline that you share with us. But once you set it, we expect you to stick to it.

Requirements:

- Every phase can have an unlimited amount of tasks
- If the startup accomplishes all tasks in the phase, it's marked as done and unlocks the next phase.
- Tasks cannot be marked as completed unless all tasks in the previous phase were completed.

Requirements - Frontend:

- Implement in React
- Store the progress in local storage
- When all phases are completed, display a random fact from <https://uselessfacts.jsph.pl/random.json>

Requirements - Mobile:

- Implement in React Native
- Store the progress in local storage
- When all phases are completed, display a random fact from <https://uselessfacts.jsph.pl/random.json>

Requirements - Backend:

- Implement a GraphQL or REST server with an interface for the application
- Store the progress in memory (not database)
- Design a database schema to store the data (no need to implement)
- If you're applying for a senior position, be sure to use GraphQL

Happy coding!