

Case Study Sr. FE EN

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Interview Preparation - Frontend

Technical Interview

We would like to invite you for a technical Interview with someone from our engineering department. One part of this interview will be a short presentation based on this scenario:

Scenario: State Management in React

You are part of the Frontend Chapter, which brings together all the frontend developers from the engineering department. One of the goals of the chapter is to define best practices and standards for the whole department.

The current topic is **state management**: There are many different approaches in use, because each team has their own opinions on how to best handle state.

- Most data is fetched via an internal GraphQL API. The state of this data is handled by relay
- One team introduced redux for some pages to store local changes before they are persisted
- Some globally used data is stored on the window object
- In many cases component state is used, but sometimes this is passed down many levels via prop spreading

The goal of the chapter meeting is to set at least some rules and recommendations for how state should be managed in the future to avoid problems and have at least a small degree of consistency. But the decision is not easy and the discussion gets heated:

- One person prefers to use redux for everything that is not handled by relay.
- Another engineer would like to use React context for global state
- One person does not really have a strong preference for anything, but really dislikes redux
- Some people like to rely on component state as much as possible, but some others want to forbid prop spreading

As part of the chapter you are supposed to help with the decision making process. What is your recommendation and how would you argue to support your opinion?

Please be prepared to present your solution in about 15 minutes. Once you have finished your presentation, please send it back to us through this questionnaire.

If you have any questions, please feel free to reach out to us.

Enjoy the task!

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Please insert the link to your presentation here

OPTIONAL

If you want to send us a zip or a document, please attach it here

OPTIONAL

Add file

Please send your final presentation through this questionnaire. Thank you very much for your effort.
We are excited to see your presentation!

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