

Interview Homework (Frontend)

Implementation:

- Create an API integrated frontend in Typescript using ReactJS
 - Be TDD aware
 - Be CI/CD aware
 - Understand the 12factor app impacts
- Frontend should
 - Integrate and interact with an API of your choice to support listing objects, showing an individual object in detail
 - Track the state of an individual object and reflect state changes in the UI
 - Explore more than one display paradigm
 - e.g. page vs modal interaction

Some example APIs to use:

- [GitHub API v3 | GitHub Developer Guide](#)
- [Calendar API _ Google Developers](#)
- <https://api.tfl.gov.uk/>
- Or any other API that is accessible by us to validate

Additional thinking:

- Prove how it aligns to 12factor app best practices
- Prove how it fits and uses the best cloud native understanding
- How would you ensure the security of any credentials when adding authentication?
- What methods of caching and state alignment between the backend and the frontend would ensure a smooth experience for a user during moments of slow connectivity?

Instructions:

- The repository should have clear README instructions about
 - how to build
 - how to run
 - how to test
 - required installation dependencies
 - any additional required API key information required
- Should be runnable locally by us