Web Frontend Developer Challenge

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In this challenge you will work on a existing Next.js application, which displays a simplified door list with a detail page. Your tasks will vary from extending its functionality, by adding additional data, to the list and detail page, to fixing a bug within the application.

The data is mocked within the provided code base. Any information about the code base and its architecture, structure, used 3rd party libraries and how to run it, can be found in the application "README.md"

Evaluation Criteria:

- Application is uploaded to a public available GitHub repository

- Proper usage of Git version control and commit messages

- Code must be runnable and have neither errors nor warnings

- Follow the existing code structure and patterns

- Components must be reusable and modular

- Clean and maintainable code (DRY, SOLID, …)

Use Cases

Use Case 1: As a user I can see the apartment name

Some of the doors belong to an apartment. You must provide this information to the real estate manager (application user). Extend the door list and door detail page with the apartments name.

Use Case 2: As a user I can see the correct connection status

Fix the bug where "connection status" is always "online" despite some of the doors being "offline". The real estate manager (application user) must have the correct information to check which doors are connected to the IoT server and which ones potentially have connection issues.

Use Case 3: As a user I can see the last door status update timestamp

The doors also have a timestamp when the last door connection status was sent to the IoT server. Show this timestamp in a proper format (date and time) on the door list as well as on the detail page to provide the real estate manager (application user) additional information about the door connection health.

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