



Introduction

Welcome to my first next.js app. This app includes React component, API calls and user interaction.

First of all, i want to explain What is Next.js and What kind of app do we create.

Next.js is Javascript framework which is handle API calls and render some component which is request data and changed them. It includes server-side rendering also have client side rendering.

In my app, there are some new technologies like next, typescript which is type-safety javascript, react and prisma which is ORM tool for handle database operations.

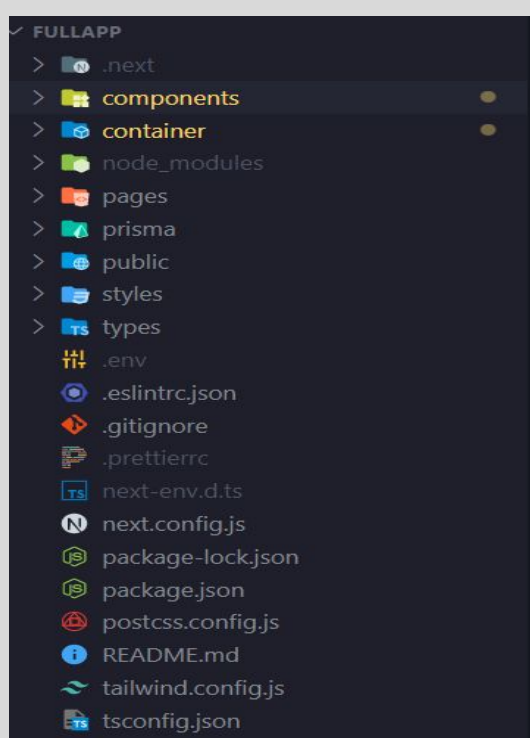


Figure 1-2. Project Structure and Technology

Nurse

The Nurse section is see some data. Let me explain.

The Nurse put username and password. When the login, see the table which is includes patients. The Prisma is handle all patient. If the patient discharges from nursolo, take a action like close patient row. How can he/she does it?. As i said, take a action. The nurse who is take care of patient clicks the button and patient request closed.

There are some dynamic situation in this part. When the patient fill the form, Nurse dashboard update automatically. This mechanism handle by JavaScript.



PATIENT NAME	BED NUMBER	COMPLAINT	DETAIL	DISCHARGE
Galip Özkan	V-2	Ağrısı var	Durumu kötü	Yes
Çağrı Demirtaş	V-2	Ağrısı var	Durumu kötü	Yes

Figure 3-4-5. Nursolo and Nurse Dashboard

Patient

In patients section, there two components for patient interaction.

First component is Patient Form. There are four input fields which fills from patient. The Patient FullName, Bed Number, Complaint and Description field.

Second component is Patient Detail. There are cards which selected by patient. When select the card, update Detail section by prisma from database.

The detail of auto-update in this part. When click the button patient send data on API which is handled by prisma. Prisma take the data from Detail component fetch data from database and update statement.

Also, the patient name serve from parent component "Patient Form".

FullName
Çağrı Demirtaş

Bed Number
V-2

Patient Complaint
Ağrısı var

Description
Durumu kötü

Create Patient

Figure 6. Patient Form

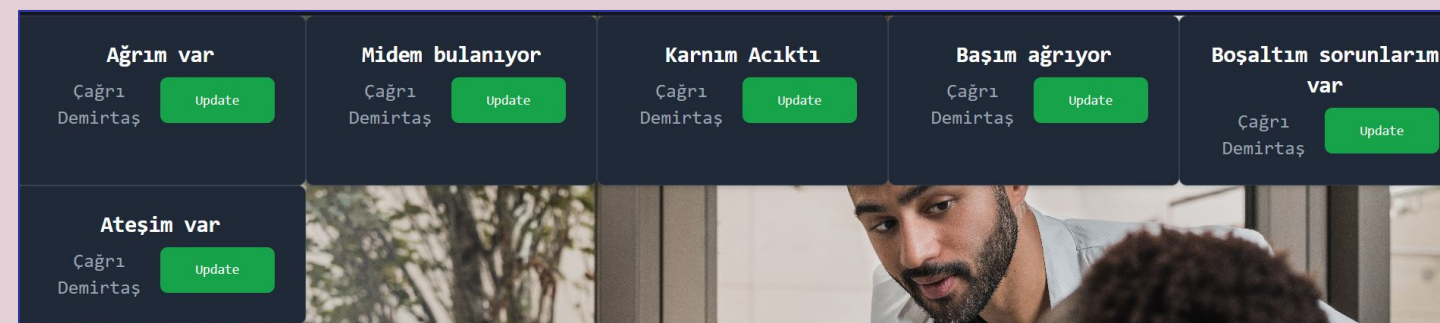


Figure 7. Patient Description Detail Part

Database

There are two table have database. There are user and patient. User table hold user record which is type of user nurse or admin. If type of admin, redirected admin dashboard, if not, the app redirected to nurse dashboard. The auth mechanism handled by prisma request which has username and password.

The second table which is patient table has patient information. These are Patient Fullname, Bed number, Complaint and Description of Complaint.

Conclusion

As a result, my app is a full stack next app which has includes so much user interaction between patient to nurse. There are form and detail section for patient, table design for nurse. The components are reusable and opens development cycle.

References

- <https://nextjs.org/docs/getting-started>
- <https://reactjs.org/docs/getting-started.html>
- <https://www.prisma.io/docs>
- <https://tailwindcss.com/docs/installation>
- <https://react-icons.github.io/react-icons/>