Nextjs – NestJs Lab

* Architecture model



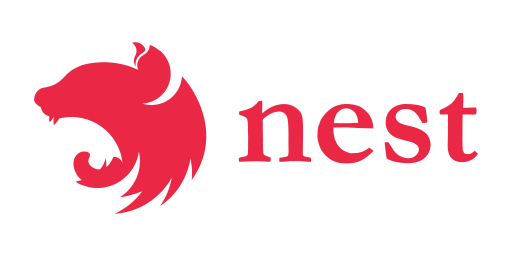
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Server rendering



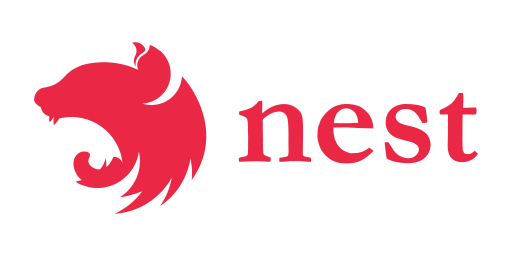
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Client side rendering

* Tech stack
  + Front-end: Nextjs
  + Back-end: Nestjs + MySql
  + Language: Typescript
* Requirements
  + Building a booking service (Naming it as AloBook) for the hotel
    - Functional requirement
      * Stories
        + As an anonymous user can

Access home page and search the hotel and room

Can access login page

* + - * + As an authorized user can

Search the hotel and view the room

Booking a room

Cancel a book before check-in date

View their bookings including history booking

* + - * + As an authorized user with admin hotel role can

View, edit , delete and update the room of the hotel

View all their orders (booking from the user)

Confirm or reject the order

* + - * Technical requirements
        + Using nestJs to build the rest api

Must understand the middleware, module , exception filters

* + - * + Design the data with mysql and use one of bellow library

Knexjs

typeORM

Sequelize

Prisma

* + - * + Implement the authentication and authorization

Login method

Username & password

Support both user and admin hotel user

Google and facebook

Only support the normal user

* + - * + Using nextjs to implement the front-end. You can choose the server side rendering or client side rendering.

Use any css frameworks you are familiar.

Use typescript is a must.

* + - * + Must following typescript coding convention <https://gist.github.com/anichitiandreea/e1d466022d772ea22db56399a7af576b>
        + UI should look like this https://www.figma.com/file/43NzrN4lsFw4oPvduoTPUP/Travel-Trips-App-Design-(Community)?type=design&node-id=1%3A67&mode=design&t=GMAI0EcaqBsOqpA3-1