Problem Description:

- There are 80 seats in a train with only 7 seats in a row and the last row of only 3 seats. For simplicity, there is only one coach in this train.
- One person can reserve up to 7 seats at a time.
- If a person is reserving seats, the priority will be to book them in one row.
- If seats are not available in one row then the booking should be done in such a way that the nearby seats are booked.
- Users can book as many tickets as s/he wants until the coach is full.
- User login and signup
- If one user books a seat, no other user can reserve that seat until the booking is canceled or reset

Demo video of assignment for better understanding

Click here to watch the video

Tech Stack

- Next js
- Node js
- Express js
- PostgreSQL
- Feel free to use any npm package and platform for backend frontend and database deployment

Checking criteria:

- Use only mentioned tech stack Next JS / React JS, Node JS, PostgreSQL
- Provide github repo link and make sure repo is public
- Provide deploy link of application so that we run and review the application
- Share a presentation video of your app with screen sharing and make sure your camera is on
- Application must be developed as per the provided documentation
- Validate and sanitize user input before storing it in the database
- Utilize Next-JS file-based routing system effectively
- Implement dynamic routes where necessary
- Ensure responsiveness across various devices and screen sizes
- Ensure code cleanliness (readability and maintainability)
- Proper error handling for various scenarios (e.g., invalid input, unauthorized access, non-existent resources)
- Meaningful and clear error messages returned to the client
- Appropriate use of comments to explain complex logic

- Best practices and coding standards
- README file in the GitHub repository with setup instructions and API documentation
- Ensure all functionalities (user authentication, seller operations, buyer operations) are fully implemented and working as per given problem statement
- Bonus points for deployment on AWS (not necessary)