Test Assignment: Build a Simple Authentication System

Objective:
Develop a simple authentication system for a web application using the following technology stack: Node.js, React, MySQL, MongoDB, jQuery, CSS, HTML.

Requirements
Login Form:
Create a login form that asks for Email and Password.
Validate the input fields:
Ensure the email is in a valid format.
Ensure the password meets basic security requirements (e.g., minimum length of 6 characters).
Authentication Flow:
If the user is not logged in, they should see the login form.
If the user is logged in, they should be redirected to a welcome page showing:
A message: Hello, {email}
A button: "Logout"
Logout Flow:
When the "Logout" button is clicked, the user should be logged out and redirected back to the login form.
Session Management:
Implement token-based authentication (JWT preferred).
The session should have an expiration time of 30 minutes. Once expired, the user should be automatically logged out.
Data Handling:
Use MySQL or/and MongoDB to store user credentials (email and password).
Passwords should be securely hashed before storing.
Security Considerations:
Ensure protection against common security issues (e.g., SQL Injection, XSS, CSRF).
Validate input data both on the client-side and server-side.
Front-End Implementation:
Use React to handle the front-end logic.
Style the login form and welcome page using CSS.
Bonus Points:
Include a responsive design to ensure the application looks good on both desktop and mobile devices.
Deliverables:
Provide a link to the code repository (GitHub, GitLab, etc.).
Include instructions for running the project locally.
Include a brief documentation explaining your approach and any trade-offs made.

Submit your results by sending them to the email address: ilya.shyla@cleanwhale.pl

This assignment is designed to assess your ability to build a simple authentication system while demonstrating best practices in security, session management, and responsive front-end development.
Good luck!