Hotel Management Dashboard Design and Backend Integration

Objective:

Create a Hotel Management Dashboard using React.js for the frontend and Strapi.io for the backend. If frontend skills are not available, create APIs for the screens using the Nest.js framework.

Task 1: Frontend Development (React.js) - 70% of the total score

Requirements:
1. Design Implementation: Utilise the provided Dribble screen (https://dribbble.com/shots/16643227-Hotel-Management-Dashboard-UI/attachments/11676259?mode=media) as a reference to create an aesthetically pleasing Hotel Management Dashboard UI in React.js. Pay attention to details such as layout, colour scheme, responsiveness, and overall user experience.

2. Dynamic Data Display: Implement dynamic data population on the frontend using Strapi.io. Create API calls to fetch and display relevant information such as hotel statistics, booking details, and any other relevant data.

3. User Authentication: Include a Login and/or Sign Up page as needed. Secure the frontend routes and data access by implementing authentication features. You can use mock data for authentication if needed.

4. Creativity: Feel free to enhance the design with creative elements, animations, or additional features that you think would improve the overall user experience.

Task 2: Backend Development (strapi.io) - 30% of the total score

Requirements:
1. Strapi Project Setup: Create a Strapi.io project to serve as the backend for the Hotel Management Dashboard. Set up necessary content types and fields to store data related to hotels, bookings, and any other relevant information.

2. Dynamic Data Handling: Design the backend to handle dynamic data that can be displayed on the frontend. Ensure that the data structure allows for easy expansion and modification as needed.

3. Authentication API: Implement user authentication using Strapi.io. Ensure that only authenticated users can access sensitive data or perform specific actions.

Alternative Task (if frontend skills are not available):

Task 3: Backend API Development (Nest.js) - 100% of the total score

Requirements:
1. Nest.js Project Setup: Create a Nest.js project to serve as the backend for the Hotel Management Dashboard. Set up controllers, services, and modules to handle API requests.

2. Dynamic Data Handling: Design the backend to handle dynamic data that can be retrieved through API requests. Create endpoints to fetch data related to hotels, bookings, and any other relevant information.

3. Authentication API: Implement user authentication using Nest.js. Ensure that only authenticated users can access sensitive data or perform specific actions.

Submission Guidelines:

1. Provide the GitHub repository link containing the code for the project.
2. Include clear instructions on how to run the project locally.

Note:
- Creativity, attention to detail, and functionality will be key factors in the evaluation.
- Plagiarism will result in disqualification.

Good luck!