

**Hi Candidate,**

Thank you for showing interest in the Backend Developer Internship at MeetX.

As part of our hiring process, we would like you to complete this technical assignment to evaluate your practical skills.

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## **Backend API Developer Assignment**

### **Objective:**

Create a simple REST API backend for a "**Basic Activity Booking App**" (similar to MeetX use cases).

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### **Assignment Tasks:**

Please implement the following APIs:

#### **1. User Registration & Login**

- **Register User:** Accepts name, email, phone number, and password.
- **Login User:** Accepts email and password, and returns a **JWT auth token**.

#### **2. List Activities (Public Endpoint)**

- Endpoint to list available activities like cricket, movies, football matches, etc.
- Each activity should include: `id`, `title`, `description`, `location`, `date` & `time`.

#### **3. Book an Activity (Authorized Users Only)**

- Users can book an activity by providing the `activity ID`.
- Save booking info with the user who booked it.

#### **4. Get My Bookings**

- Return the list of all activities booked by the logged-in user.
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### **Tech Stack (Required):**

- **Backend:** Node.js with Express.js
  - **Database:** MongoDB (preferred) or MySQL
  - **Authentication:** JWT Token-based auth
  - **API Testing:** Postman Collection (must be submitted)
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### ✅ **Bonus (Optional but Preferred):**

- Use **validation** (e.g., Joi / express-validator)
  - Password should be **hashed** (use bcrypt)
  - Follow clean code with proper folder structure (routes, controllers, models)
  - If possible, **host your API** on a free platform (Render, Vercel, Cyclic)
  - Provide a clear **README** file with setup instructions
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### **Deadline:**

- Submit your completed assignment within **24 hours** of receiving this mail.
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### **What to Submit:**

- GitHub repository link (mandatory)
  - Postman collection (for testing your APIs)
  - Optional: Hosted API live URL
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### **Purpose:**

This task will help us evaluate your skills in:

- API development
- Authentication logic
- Database operations
- Code structure and best practices

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Please make sure to complete this on time and submit all the required deliverables.

If you have any questions, feel free to reply to this email.

Best of luck!

**Team MeetX**

Altrodav Technologies Pvt. Ltd.

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