



Qtec Solution Limited

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In: <https://bit.ly/2MUQBt1>

Task: Simple Service Booking System

Project Description:

You are required to build a basic API-based & Admin managed service booking system using Laravel. The system should allow customers to register, view services, and make bookings. Admin should be able to manage services and view bookings. This task will help us evaluate your development skills, along with your code organization and Git practices.

Core Requirements:

Your application should include the following features:

1. Authentication (Laravel Sanctum or Passport)

- User registration & login API (as Customer)
- Admin login API (credentials can be seeded)
- JWT or token-based authentication

2. Models & Relationships

- **User** (customer)
- **Admin** (can be just a role flag on **users** table or a separate model)
- **Service** (id, name, description, price, status)
- **Booking** (id, user_id, service_id, booking_date, status)

3. API Endpoints (Examples)

Public:

- **POST** /api/register – Customer registration
- **POST** /api/login – Login

Authenticated (Customer):

- **GET** /api/services – List available services
- **POST** /api/bookings – Book a service



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- **GET /api/bookings** – List logged-in user's bookings

Authenticated (Admin):

- **POST /api/services** – Create a new service
- **PUT /api/services/{id}** – Update service
- **DELETE /api/services/{id}** – Delete service
- **GET /api/admin/bookings** – List all bookings

4. Validation

- Proper form request validation for all input.
- Prevent booking a service on a past date.

5. Database Seeder

- Seed a few services and an admin user.

6. API Documentation

- Provide clear and complete API documentation using one of the following:
 - **Postman Collection** with example requests/responses and environment variables.
 - **Swagger/OpenAPI** documentation (bonus).
 - Include instructions in the README for how to test the APIs.

7. Unit test (optional but bonus)

- Provide clear and complete unit test using **phpunit/pest**

8. Live Link (optional but bonus)

- Host your project in any hosting platform and send us the **Live Link**

Bonus Points for:

- Following Laravel naming conventions and RESTful design.
- Using FormRequest classes for validation.



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- Organized code with service/repository pattern.
 - Unit or feature tests.
 - API Resource classes for clean response formatting.

Evaluation Criteria

1. Project structure and cleanliness.
2. Code readability and modularity.
3. Proper use of version control (avoid pushing everything at once).
4. Logical approach to features.
5. Ability to follow instructions.
6. Bonus: Innovation in extra features or UI/UX.

Submission Instructions:

- Commit your code to your GitHub repository from the initial setup.
- Make the repository public and share the GitHub URL with us for evaluation.
- Include a **README.md** that:
 - Clearly explains the project
 - Shows how to run it
 - Includes screenshots or sample outputs (if possible)
- Avoid pushing everything all at once after finishing the task. We'll be reviewing your commit history to understand your thought process, problem-solving approach, and code structure.
- Partial progress is okay.

Even if you can't complete all the features, submit whatever you have. We value effort, clarity, and the way you approach challenges.



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Note: Please reply to the same email thread with your GitHub link and any other relevant project/demo links.

Deadline: As soon as possible (ASAP).

Linkedin Job Post Link:

<https://www.linkedin.com/feed/update/urn:li:activity:7355188629037543425>

Facebook Job Post Link:

<https://www.facebook.com/share/1ACeibtzbr7/>