

Title: Hotel Parcel Management System Documentation

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Introduction

I spent 4 hours in total at the start, the code was not complete since my decision was to make the module and structure in a good level, then add the class API controller or service as the shinny part of this project. It stays on the right track.

This is a microservice project that requires Spring boot and Spring cloud + Maven as lifestyle management. As the intertwined of service level and API controller, the decision been made to decouple them. As POM file for the most top direction file to build the project with.

Architecture Overview

The microservices architecture approach taken. System is divided into different modules (common, model, service-user, service-api) and modules interact with each other. Please refer to the UML diagram to see the relationship of these models.

Data Models

In the system: Guest, Parcel, and Stay.

API Documentation

Just a setup, not processing yet.

Guest Check-In API

URL: /api/guests/check-in

Method: POST

Request Body: Description of the guest object

Response: Details of the checked-in guest

Example Call: Example curl or HTTP request

Setup and Installation Instructions

Did not considered.

Running the Tests

There is a unit test class provided.

Conclusion

Firstly inject the dependency, build the configuration file. Find the module difference and make decision which module will be main or which module will be service level.

Each module interacts with extend or API.

Appendices

IN/A

To do list:

1. JPA
2. SQL
3. Complete all the test
4. Fix the bug of each class
5. Run