**Restaurant Rating Microservices**

This project consists of three microservices: **usermicroservice**, **ratingmicroservice**, and **hotelmicroservice**. These services work together to provide users with an efficient and reliable way to rate and review restaurants.

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**Introduction**

Modern restaurant rating systems are essential for helping users make informed choices when dining out. This project's microservices aim to provide an advanced and user-friendly restaurant rating platform. Users can rate restaurants, leave reviews, and view ratings to make informed decisions.

**Microservices**

**User Microservice**

* Responsible for user management and authentication.
* Allows users to create accounts, log in, and manage their profiles.
* Ensures the security and privacy of user data.

**Rating Microservice**

* Manages restaurant ratings and reviews.
* Allows users to rate restaurants and leave detailed reviews.
* Aggregates ratings and reviews to provide restaurant ratings.
* Provides data for restaurant recommendations.

**Hotel Microservice**

* Manages restaurant details and information.
* Provides data on restaurants, including location, cuisine, and operating hours.
* Integrates with external services for additional restaurant data.

**Advantages**

By breaking the restaurant rating system into microservices, several advantages are gained:

1. **Scalability**: Each microservice can be scaled independently, ensuring that the system can handle increased load during peak times.
2. **Modularity**: Microservices are self-contained, making it easier to develop, test, and deploy changes without affecting the entire system.
3. **Fault Isolation**: Issues in one microservice are less likely to impact the entire system, improving fault tolerance.
4. **Improved Developer Productivity**: Smaller, more focused codebases are easier to work with and maintain.
5. **Flexibility**: Microservices allow for the use of different technologies, databases, and deployment strategies for each service, tailored to their specific requirements.

**Getting Started**

To get started with this project, follow these steps:

1. Clone the repository to your local machine:

bashCopy code

git clone https://github.com/yourusername/restaurant-rating-microservices.git

1. Set up and run each microservice by following their individual setup instructions.
2. Configure the microservices to work together. Ensure they can communicate and share data effectively.

**Usage**

* Detailed usage instructions for each microservice are available in their respective directories.
* Refer to the documentation and API endpoints for interaction with the services.