

Golang Backend Application Assignment

MeeRaiDo Project

The project was inspired by IMDb. You are responsible for creating a backend system to serve a RESTful application programming interface to connect a database and manage upcoming movie data. Golang, which is the main programming language in the project, is used to create a backend system with a web framework named Gin. Finally, the database which is selected to store the upcoming movie data is MongoDB. The system requirements are explained below.

Functional Requirements

1. The system shall return upcoming movie data.
2. The system shall insert new upcoming movie data.
3. The system shall edit upcoming movie data details.
4. The system shall delete unwanted upcoming movie data.

You should get the specifications from the Business Analyst (BA) in real-world scenarios. But now, in the learning process, you are free to design your system such as upcoming movie data details that you want to store in the database. You are only limited to the technology stack and RESTful API specifications for testing purposes. The below steps are to guide you to look and find useful resources to develop the system.

Technology Stack Resources

1. Golang: <https://go.dev/tour>
2. Effective Go: https://go.dev/doc/effective_go
3. Gin: <https://github.com/gin-gonic/gin>
4. MongoDB: <https://www.mongodb.com>
5. MongoDB Driver: <https://github.com/mongodb/mongo-go-driver>
6. Postman: <https://www.postman.com/product/what-is-postman>
7. RESTful API Design: <https://learn.microsoft.com/en-us/azure/architecture/best-practices/api-design>

MeeRaiDo API Specification

<https://documenter.getpostman.com/view/16119973/2s8YYCv6Nk>