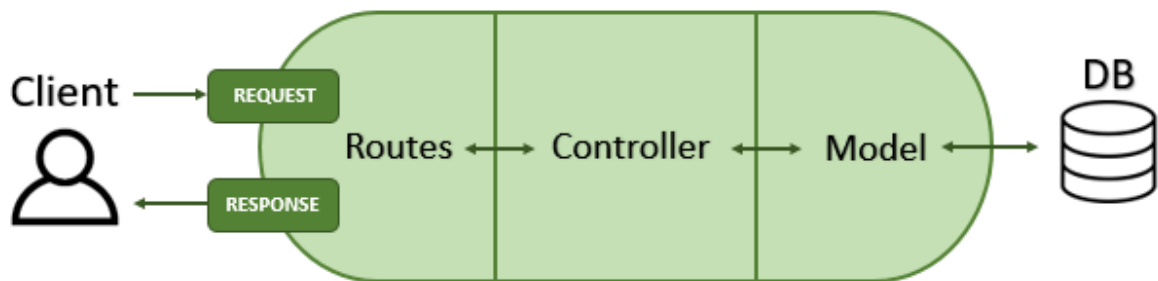


Golang Test

Pet Appointments REST API

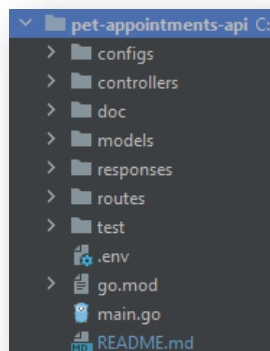
Initial Criteria:

1. **IDE to use:** GoLand by NetBrains.
2. **Language:** Golang
3. **Data Base:** the DB to use is "Not Relational", specifically with MongoDB. The name of the database to use is: "petAppointmentsDb". As a naming convention, "camelCase" is used according to best practices.
4. **Data Base Management:** MongoDB Atlas.
5. **REST API Structure:**



6. **Golang Framework for REST API:** Fiber v2
7. **Main dependencies:**
 - A. github.com/gofiber/fiber/v2: Framework for building web application.
 - B. go.mongodb.org/mongo-driver/mongo: Driver for connecting to MongoDB.
 - C. github.com/joho/godotenv: Library for managing environment variable.
 - D. github.com/go-playground/validator/v10: Library for validating structs and fields.

8. Project Folder Structure:



Where:

Configs: this folder is for modularizing project config files.

Controllers: this folder is for modularizing application logics.

Doc: this folder is for documentation.

Models: this folder is for modularizing data and database logics.

Responses: this folder is for modularizing the response API files.

Routes: this folder is for modularizing the URL patterns and handler information.

Test: this folder contains the Postman Collection for Manual Testing.

References

1. Non-Relational Databases Naming Convention: <https://www.coding-guidelines.lftechnology.com/docs/nosql/documentdb/document-db-naming-convention/>).
2. Project Naming Convention: <https://blog.devgenius.io/golang-naming-conventions-72bbaf84e959>
3. Naming Convention de Packages: <https://go.dev/blog/package-names>
4. Best practices to write commits in Git: <https://www.freecodecamp.org/news/writing-good-commit-messages-a-practical-guide/>
5. Git Branching Naming Convention Best Practices: <https://codingsight.com/git-branching-naming-convention-best-practices/>
6. Golang Fundamentals: <https://www.mindbrowser.com/golang-language-fundamentals/>
7. REST API Fundamentals: <https://arunrajeevan.medium.com/fundamentals-of-rest-api-design-d9c425c1b0f6>