

Manual(Создание приложения)

Step 1

```
user@usercomp:~/Projects/Go4/go_graphql$ go run github.com/99designs/gqlgen init
Creating gqlgen.yml
Creating graph/schema.graphqls
Creating server.go
Generating...
```

Exec "go run ./server.go" to start GraphQL server

Files:

- *gqlgen.yml* - contains the gqlgen configurations.
- *server.go* - the application entry point that serves your GraphQL endpoint.
- *graph/resolver.go* - contains the type for your resolvers.
- *graph/schema.graphqls* - a file to write down your API schemas.
- *graph/schema.resolvers.go* - contains the generated resolvers methods that you use to implement your API Mutation and Query types.
- *graph/model/models_gen.go* - contains structs generated from the schema file.
- *graph/generated/generated.go* - contains the generated runtime for GraphQL.

Step 2

Setting up GraphQL Schema for Go

```
scalar Time
```

```
type Post {
  _id: String!
  Title: String!
  Content: String!
  Author: String!
  Hero: String!
  Published_At: Time!
  Updated_At: Time!
}
```

```
type DeletePostResponse {
  deletePostId: String!
}
```

```
type Query {
  GetAllPosts: [Post!]!
  GetOnePost(id: String!): Post!
}
```

```
input NewPost {
  Title: String!
  Content: String!
  Author: String
  Hero: String
  Published_At: Time
  Updated_At: Time
}
```

```
type Mutation {  
  CreatePost(input: NewPost!): Post!  
  UpdatePost(id: String!, input: NewPost): Post!  
  DeletePost(id: String!): DeletePostResponse!  
}
```

Step 3 generate

```
go run github.com/99designs/gqlgen generate
```

Step4 Setting Up the Database Dependencies

```
go get go.mongodb.org/mongo-driver/mongo
```

Добавить код для соединения с БД

Step5 reload (для правильной работы нужно удалить tools.go)

```
go install github.com/air-verse/air@latest  
air init  
air
```

Step 6 Add resolvers

Добавить код в `graph/schema.resolvers.go`

Step 7 Run server

Запустить сервер: `go run ./server.go`

Запустить браузер по адресу: <http://localhost:8080/>