

Github Repository : <https://github.com/immanuelekoputro/testleaked>

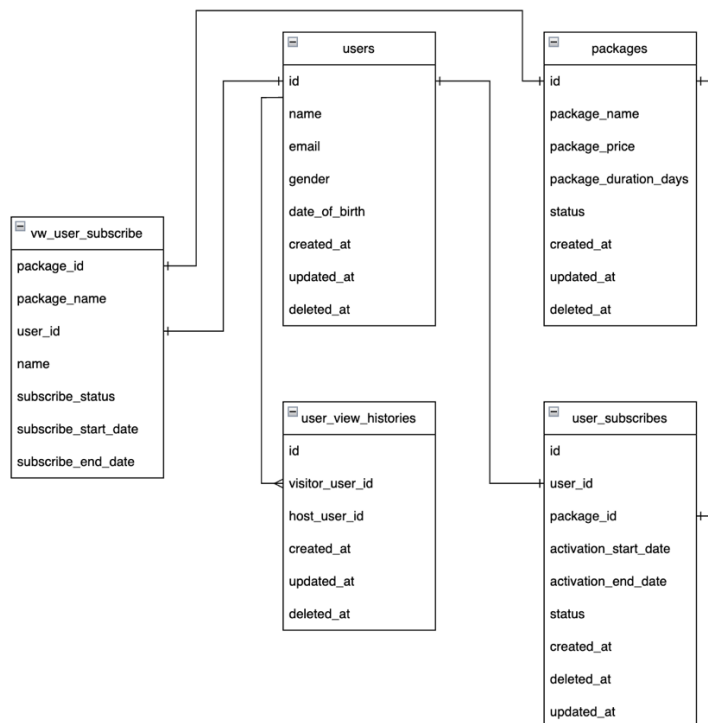
Functional Requirement for running this Project

1. mysql database
2. Goland version > 1.20
3. Go migrate CLI

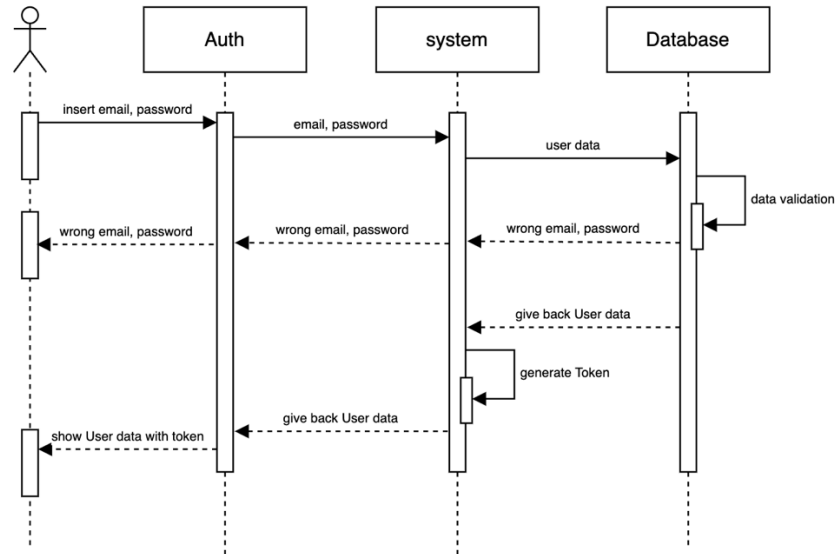
Stack that used for this Project

1. Golang
2. Mysql, my reason for using Mysql is my habit and more experiences using mysql as my database service, and mysql already have a good performace and have strong scalability, so it a good choice for application that have high transaction and handle big hardwork
3. Go Migrate, using Go migrate as database migration is a good option if we have a team and need a great versioning update for database, so all of changes of table should registered using go migrate to avoid different database structure for each team.

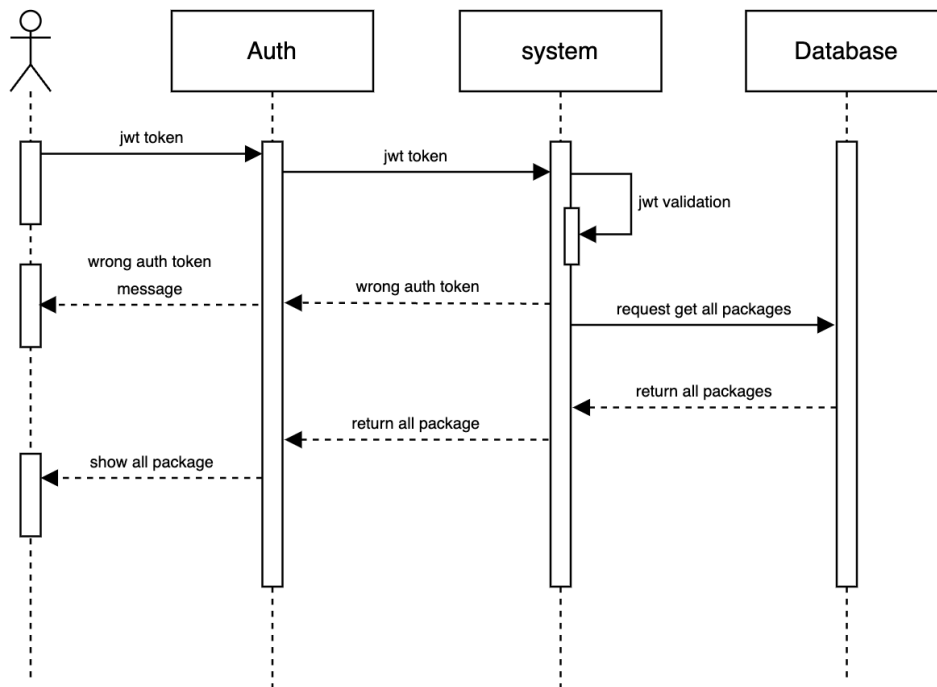
ERD for Project



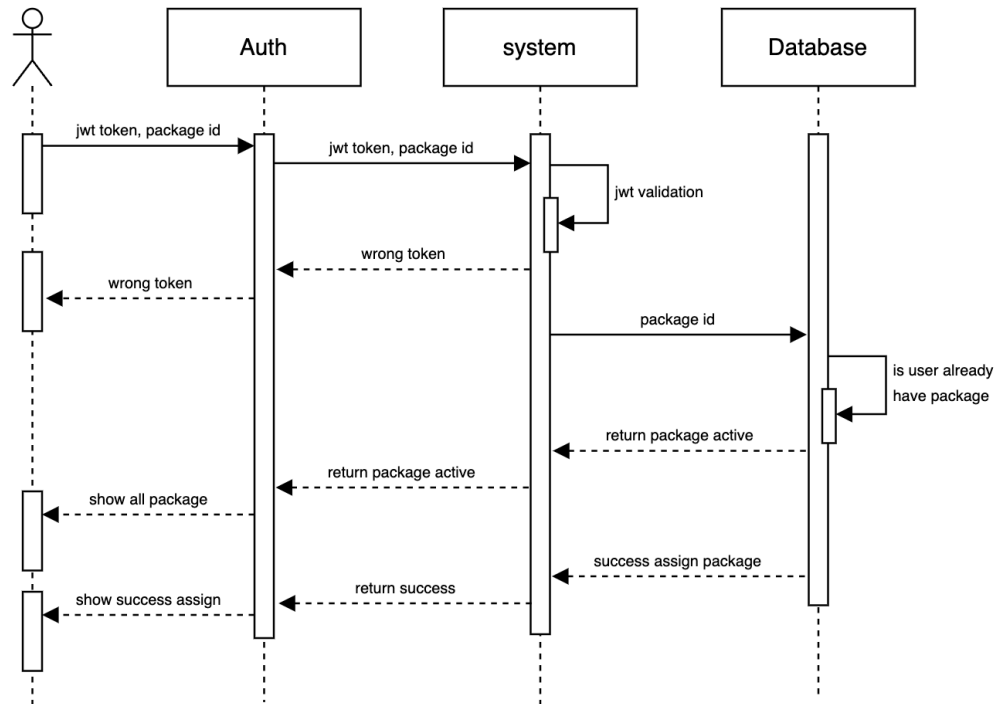
Sequence Diagram Auth



Sequence Diagram Get Packages



Sequence Diagram Buy Packages



Test Case :

1. Use Login API for Login user.
2. If User hasn't have an account, use API Register to Register Account.
3. After success create an account, Use Login API for get user JWT token.
4. After getting JWT Token, use it as Authentication
5. Hit User Viewable API for get 10 user that can show in home screen
6. Use Get All Package API to get all of Packages
7. Use Buy Package API to assign Package to User
8. Test Buy Once again, using Buy Package API, I should be failed because user already have an Packages
9. Use My Package API to get user logged Package.