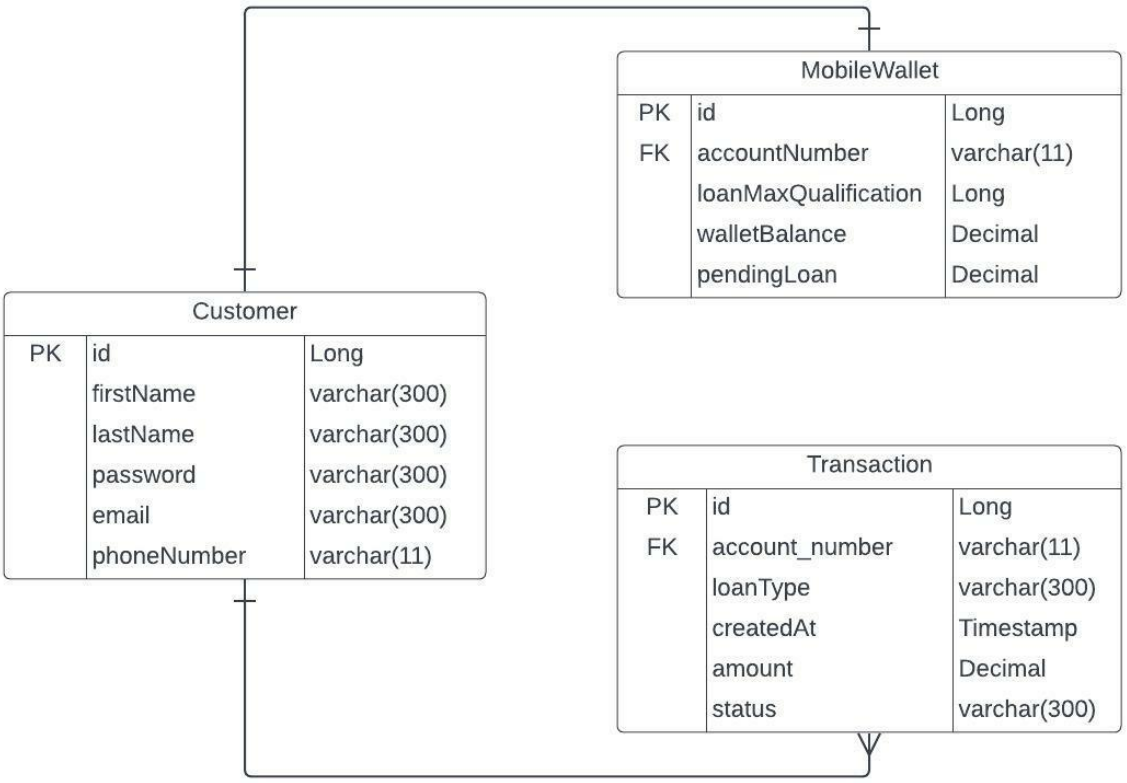
Documentation for Mini Backend project



Entity Relation Diagram For Project

Design Choices:
Technologies used: Docker, spring boot (2.7.3), liquibase, git and github, github actions (CI pipelining), Spring data JPA, postman, test containers.

Reason for tools selected:
This project was implemented as a mini stand-alone microservice that can easily be integrated with other microservice for a large scale fintech application.
Docker: was used to enable it run locally on diverse platforms
Liquibase: To enable persistent and swift data migrations. It was also used to further enhance the microservice architecture and ensure consistent database snapshot across multiple systems
Github action: for continuous integration pipeline.
Note: the limitation of this project is that it was solely designed for continuous integration and I didn't do any pipelining or create a docker account for deployment.

Future improvement of project:
Transaction, Mobile Wallet and Customer can be further split into independent microservice for a better performance.