



Frontend

Present Layer

UserHomeFragement

UserNearByFragement

UserRecommendationFragement

UserMeFragement

UserPlanFragement

UserCollectionFragement

UserReservationFragement

ListViewAdaptor

ShopItem

PlanItem

Make HTTP Request to RESTful API



Backend (Web Service)

Business Layer

AdminController

CustomerController

PlanController

ReservationController

ValidationController

VendorController

ShopController

ProductController

ShopVerificationController

CarParkController

Government
Car Park
Availability
API

Service Layer

AdminService

CustomerService

PlanService

ProductService

ShopVerificationService

VendorService

ShopService

PlanItemService

ReservationService

CarParkService

Persistence Layer

AdminRepo

CustomerRepo

PlanRepo

ProductRepo

ShopVerificationRepo

VendorRepo

ShopRepo

PlanItemRepo

ReservationRepo

CarParkRepo

Java Persistent API (JPA)
(Implemented with Hibernate)



Database

Admin

Vendor

Customer

Plan

PlanItem

Product

Shop

Reservation

ShopVerification

CarParkAvailability