



## Frontend

### Present Layer

WelcomePageActivity

SignIn/UpActivity

UserHomeFragement

UserMeFragement

UserPlanActivity

UserRecommendationFragement

UserReservationActivity

ShopDetailActivity

UserProfileActivity

VendorActivity

ListAdaptor

CardAdaptor

DateTimeCalendar

avatarUploader

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

### Persistence Layer

AdminRepo

CustomerRepo

PlanRepo

ProductRepo

ShopVerificationRepo

VendorRepo

ShopRepo

PlanItemRepo

ReservationRepo

Java Persistent API (JPA)  
(Implemented with Hibernate)



## Database

Admin

Vendor

Customer

Plan

PlanItem

Product

Shop

Reservation

ShopVerification