**Microservices included –**

**User microservice, Car Microservice, CarWash Microservice, Payment Microservice**

**User-profile-service microservice –**

Model class – User, Criteria

Fields –

userId, username, userPassword, userEmailId, userContactNumber, userRole, userAddress, userStatus, userCreatedDate, userReview(HashMap type – (k,v)-> (washId, Review(string))), averageRating (double), washCount

Controller Methods –

* /register – (username, address, userContactNumber, role, emailId)
* /login – (userEmailId, userPassword)
* /getAllCustomers (only for admin)
* /getCustomersByStatus (only for admin)
* /getAllWashers (only for admin)
* /getWashersByStatus (only for admin)
* /deleteUser (not required)

All **GET** apis to be replaced by Criteria api (filtering query logic)

**Car-details-service Microservice –**

Model class – Car, Criteria

Fields –

userId, carId, carManufacturerName, carModel, carImage, carStatus

Controller Methods:

* /addCarDetails (both add and update)
* /deleteCarDetailsByCarId (Admin only)
* /deleteCarDetailsByUserId
* /getAllCars (Admin only)
* /getCarByUserId
* /getCarByStatus (Admin only)
* /getCarByCarId (Admin only)

All GET apis to be replaced by /criteria API (query filtering logic)

**Payment Microservice –**

Model Class – PaymentDetails

\*\*Fields –

userId, userCardType, userCardNumber, userCardExpiryDate, userAmount

**Wash Microservice –**

Model class - WashService

Fields –

washingId, userId, carId, washPackage, extraWashAddOns, infoNotes, scheduledWash(immediate/later), scheduledWashDate, scheduledWashTime, scheduledWashLocation, washerWashStatus(pending/approve/decline), carWashStatus(pending/inprogress/completed), carWashDate(order-date)

Controller Methods –

* /washStartStatus – increase customer wash count
* /washCompleteStatus – increase wash count for Washer