Parking Management Application

Helps in managing the parkings available for cars, and alloting the parking slot to the cars.

Utilities Package :
1. **User Class:** Has the main method with two types of implementation.
    1. You can use the following commands to run the application.

        1. create_parking_lot size
           example: create_parking_lot 4
           output: Created a parking lot with 4 slots
        2. park registrationNo colour
           example: park CH-01-YT-3201 white
           output: Allocated slot number:1
        3. leave slot
           example: leave 1
           output: Slot number 1 is free
        4. status
           example: status

output: Slot No.	Registration No	Color
1	CH-01-YT-3201	white
2	DL-01-HF-3431	white

        5. registration_numbers_for_cars_with_colour colour
           example: registration_numbers_for_cars_with_colour white
           Output: CH-01-YT-3201, DL-01-HF-3431
        6. slot_numbers_for_cars_with_colour colour
           example: slot_numbers_for_cars_with_colour white
           output: 1, 2
        7. slot_number_for_registration_number registrationNo
           example: slot_number_for_registration_number CH-01-YT-3201
           output: 1

    2. You can use the options given by the app itself.

2. **Validator Class:** Has two methods to validate users input that is colour and registration number.

Model Package: POJO Classes
    1. Car Class
    2. Parking Class

Service Package: consists of all the methods that provide functionalities.
1. Service Interface
2. ServiceImplementation Class

Test Package: JUnit test for all the methods are present. This package is present inside src/test/java.