

File Edit Format View Help

```
package com.infy.api;

import javax.validation.Valid;

import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.core.env.Environment;
import org.springframework.http.HttpStatus;
import org.springframework.http.ResponseEntity;
import org.springframework.validation.annotation.Validated;
import org.springframework.web.bind.annotation.GetMapping;
import org.springframework.web.bind.annotation.PathVariable;
import org.springframework.web.bind.annotation.PostMapping;
import org.springframework.web.bind.annotation.RequestBody;
import org.springframework.web.bind.annotation.RequestMapping;
import org.springframework.web.bind.annotation.RestController;

import com.infy.dto.CarDTO;
import com.infy.dto.RegistrationDTO;
import com.infy.exception.InfyCars247Exception;
import com.infy.service.InfyCars247Service;

@RestController
@RequestMapping(value = "/infyCars247-api")
@Validated
public class InfyCars247API {

    @Autowired
    private InfyCars247Service infyCars247Service;
```

```
InfyCars247API - Notepad
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@RestController
@RequestMapping(value = "/infyCars247-api")
@Validated
public class InfyCars247API {

    @Autowired
    private InfyCars247Service infyCars247Service;

    @Autowired
    private Environment environment;

    @PostMapping(value = "/cars")
    public ResponseEntity<String> sellCar(@RequestBody @Valid CarDTO carDTO) throws InfyCars247Exception{
        Integer carid = infyCars247Service.sellCar(carDTO);

        return new ResponseEntity<>(environment.getProperty("API.CAR_REGISTERED_SUCCESS")+carid,HttpStatus.CREATED);
    }

    @GetMapping(value = "/users/{phoneNumber}")
    public ResponseEntity<RegistrationDTO> getUserDetails(@PathVariable String phoneNumber) throws InfyCars247Exception{
        RegistrationDTO dto = infyCars247Service.getUserDetailsByPhone(phoneNumber);

        return new ResponseEntity<>(dto,HttpStatus.FOUND);
    }
}
```

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```
package com.infy.dto;

import javax.validation.Valid;
import javax.validation.constraints.Min;
import javax.validation.constraints.NotNull;

public class CarDTO {

    private Integer carId;
    private String model;
    private String manufacturer;

    @NotNull(message = "{car.yearofmanufacturing.absent}")
    @Min(value = 1900,message ="{car.yearofmanufacturing.invalid}")
    private Integer yearOfManufacturing;
    private Integer quotedPrice;
    private Integer finalPrice;
    private Float review;

    @Valid
    @NotNull(message ="{car.registration.absent}")
    private RegistrationDTO registrationDTO;

    public Integer getCarId() {
        return carId;
    }

    public void setCarId(Integer carId) {
        this.carId = carId;
    }
}
```

```
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package com.infy.dto;

import javax.validation.constraints.NotNull;
import javax.validation.constraints.Pattern;

public class RegistrationDTO {
    private Integer registrationId;
    private String userName;

    @NotNull(message = "{registration.userphone.absent}")
    @Pattern(regexp = "[1-9][0-9]{9}", message = "{registration.userphone.invalid}")
    private String userPhone;
    private String userEmail;

    public Integer getRegistrationId() {
        return registrationId;
    }

    public void setRegistrationId(Integer registrationId) {
        this.registrationId = registrationId;
    }

    public String getUserName() {
        return userName;
    }

    public void setUserName(String userName) {
        this.userName = userName;
    }
}
```

CarRepository - Notepad

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```
package com.infy.repository;

import org.springframework.data.repository.CrudRepository;

import com.infy.entity.Car;

public interface CarRepository extends CrudRepository<Car, Integer>{

    Float findAverageByRegistrationId(Integer regId);
}
```

```
RegistrationRepository - Notepad
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package com.infy.repository;

import org.springframework.data.repository.CrudRepository;
import com.infy.entity.Registration;

public interface RegistrationRepository extends CrudRepository<Registration, Integer>{
    Registration findByPhoneNumber(String number);
}
```

InfyCars247ServiceImpl - Notepad

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```
package com.infy.service;

import javax.transaction.Transactional;

import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.stereotype.Service;

import com.infy.dto.CarDTO;
import com.infy.dto.RegistrationDTO;
import com.infy.entity.Car;
import com.infy.entity.Registration;
import com.infy.exception.InfyCars247Exception;
import com.infy.repository.CarRepository;
import com.infy.repository.RegistrationRepository;

@Service(value = "infyCars247Service")
@Transactional
public class InfyCars247ServiceImpl implements InfyCars247Service {
    @Autowired
    private CarRepository carRepository;
    @Autowired
    private RegistrationRepository registrationRepository;

    @Override
    public Integer sellCar(CarDTO carDTO) throws InfyCars247Exception {
        // TODO Auto-generated method stub

        Registration registration = registrationRepository.findByPhoneNumber(carDTO.getRegistrationDTO().getUserPhone());
        if(registration == null)
        {
            throw new InfyCars247Exception("Service.USER_PROFILE_NOT_FOUND");
        }
    }
}
```

Cars24/ServiceImpl - Notepad

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```
public Integer sellCar(CarDTO carDTO) throws InfyCars247Exception {
    // TODO Auto-generated method stub

    Registration registration = registrationRepository.findByPhoneNumber(carDTO.getRegistrationDTO().getUserPhone());
    if(registration == null)
    {
        throw new InfyCars247Exception("Service.USER_PROFILE_NOT_FOUND");
    }

    Float average = carRepository.findAverageByRegistrationId(registration.getRegistrationId());

    if(average < 3.5)
    {
        throw new InfyCars247Exception("Service.POOR_SELLER_REVIEW");
    }

    Car car = new Car();
    car.setModel(carDTO.getModel());
    car.setManufacturer(carDTO.getManufacturer());
    car.setQuotedPrice(carDTO.getQuotedPrice());
    car.setYearOfManufacturing(carDTO.getYearOfManufacturing());
    car.setRegistration(registration);
    car.setFinalPrice(null);
    car.setReview(null);

    return carRepository.save(car).getCarId();
}

@Override
```

```
        car.setRegistration(registration);
        car.setFinalPrice(null);
        car.setReview(null);

    return carRepository.save(car).getCarId();
}

@Override
public RegistrationDTO getUserDetailsByPhone(String phoneNumber) throws InfyCars247Exception {
    // TODO Auto-generated method stub

    Registration registration = registrationRepository.findByPhoneNumber(phoneNumber);
    if(registration == null)
    {
        throw new InfyCars247Exception("Service.USER_PROFILE_NOT_FOUND");
    }

    RegistrationDTO reg = new RegistrationDTO();
    reg.setRegistrationId(registration.getRegistrationId());
    reg.setUserEmail(registration.getUserEmail());
    reg.setUserName(registration.getUserName());
    reg.setUserPhone(registration.getUserPhone());

    return reg;
}
```