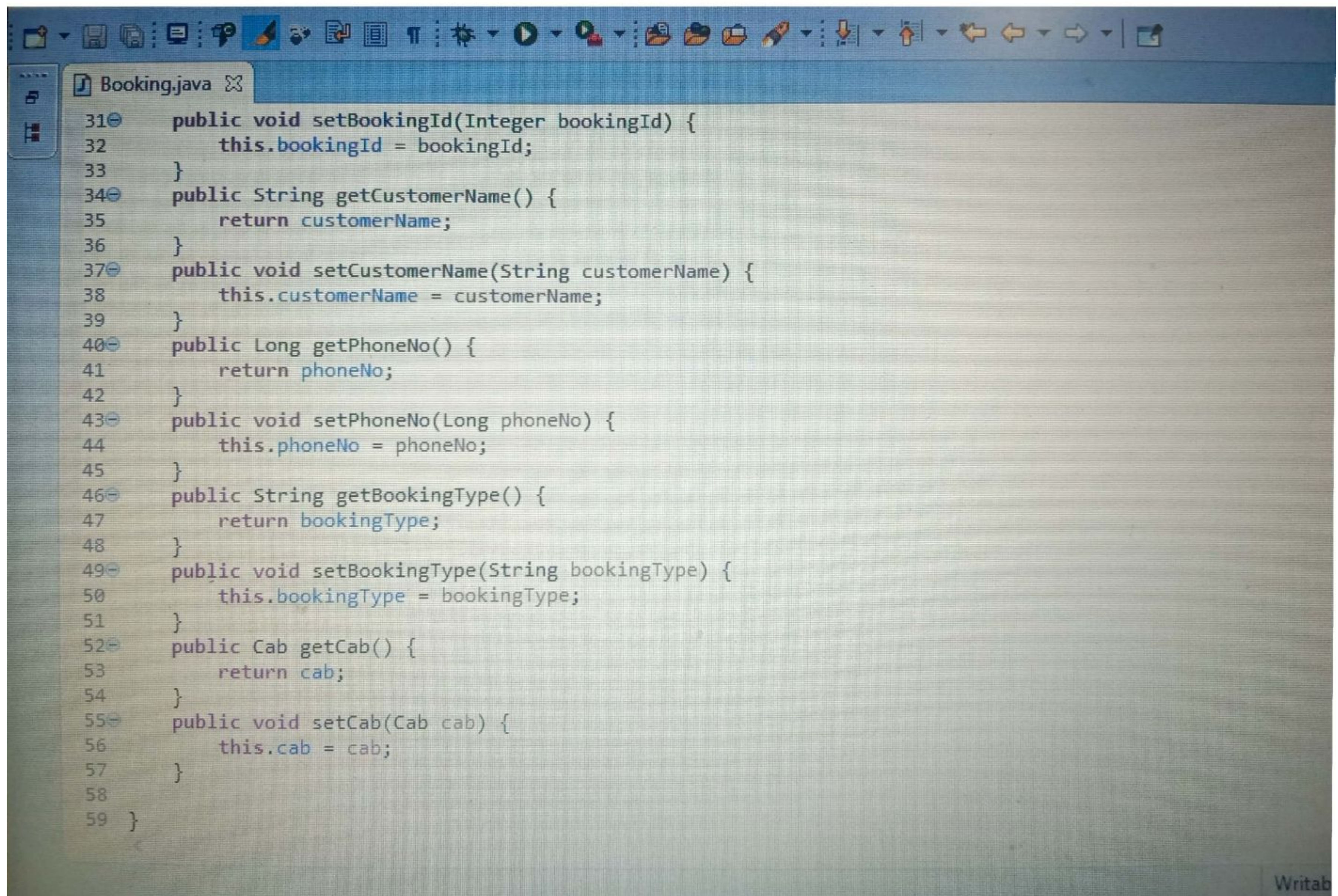


```
Booking.java CabBookingAPI.java
1 package com.infy.cabbooking.api;
2
3 import java.util.List;
20 @RestController
21 @RequestMapping(value="api")
22 public class CabBookingAPI
23 {
24     @Autowired
25     private CabBookingService cabBookingService;
26     @Autowired
27     private Environment environment;
28     @GetMapping(value="cab/{bookingType}")
29     public ResponseEntity<List<BookingDTO>> getDetailsByBookingType(@PathVariable String bookingType) throws CabBookingException
30     {
31         return new ResponseEntity<>(cabBookingService.getDetailsByBookingType(bookingType),HttpStatus.OK);
32     }
33     @PostMapping(value="cab")
34     public ResponseEntity<String> bookCab(@RequestBody BookingDTO bookingDTO) throws CabBookingException
35     {
36         Integer bookId=cabBookingService.bookCab(bookingDTO);
37
38         return new ResponseEntity<>(environment.getProperty("API.BOOKING_SUCCESS")+":"+bookId,HttpStatus.CREATED);
39     }
40
41 }
42
```


Booking.java

```
1 package com.infy.cabbooking.entity;
2
3 import javax.persistence.CascadeType;
4
5
6
7
8
9
10
11
12 @Entity
13 @Table(name="booking")
14 public class Booking {
15
16     @Id
17     @GeneratedValue(strategy=GenerationType.IDENTITY)
18     private Integer bookingId;
19     private String customerName;
20     private Long phoneNo;
21     private String bookingType;
22
23     @OneToOne(cascade=CascadeType.ALL)
24     @JoinColumn(name="cab_no",unique=true)
25     private Cab cab;
26
27
28     public Integer getBookingId() {
29         return bookingId;
30     }
31     public void setBookingId(Integer bookingId) {
32         this.bookingId = bookingId;
33     }
34     public String getCustomerName() {
35         return customerName;
36     }
37 }
```

```
31 public void setBookingId(Integer bookingId) {
32     this.bookingId = bookingId;
33 }
34 public String getCustomerName() {
35     return customerName;
36 }
37 public void setCustomerName(String customerName) {
38     this.customerName = customerName;
39 }
40 public Long getPhoneNo() {
41     return phoneNo;
42 }
43 public void setPhoneNo(Long phoneNo) {
44     this.phoneNo = phoneNo;
45 }
46 public String getBookingType() {
47     return bookingType;
48 }
49 public void setBookingType(String bookingType) {
50     this.bookingType = bookingType;
51 }
52 public Cab getCab() {
53     return cab;
54 }
55 public void setCab(Cab cab) {
56     this.cab = cab;
57 }
58
59 }
```

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Cab.java

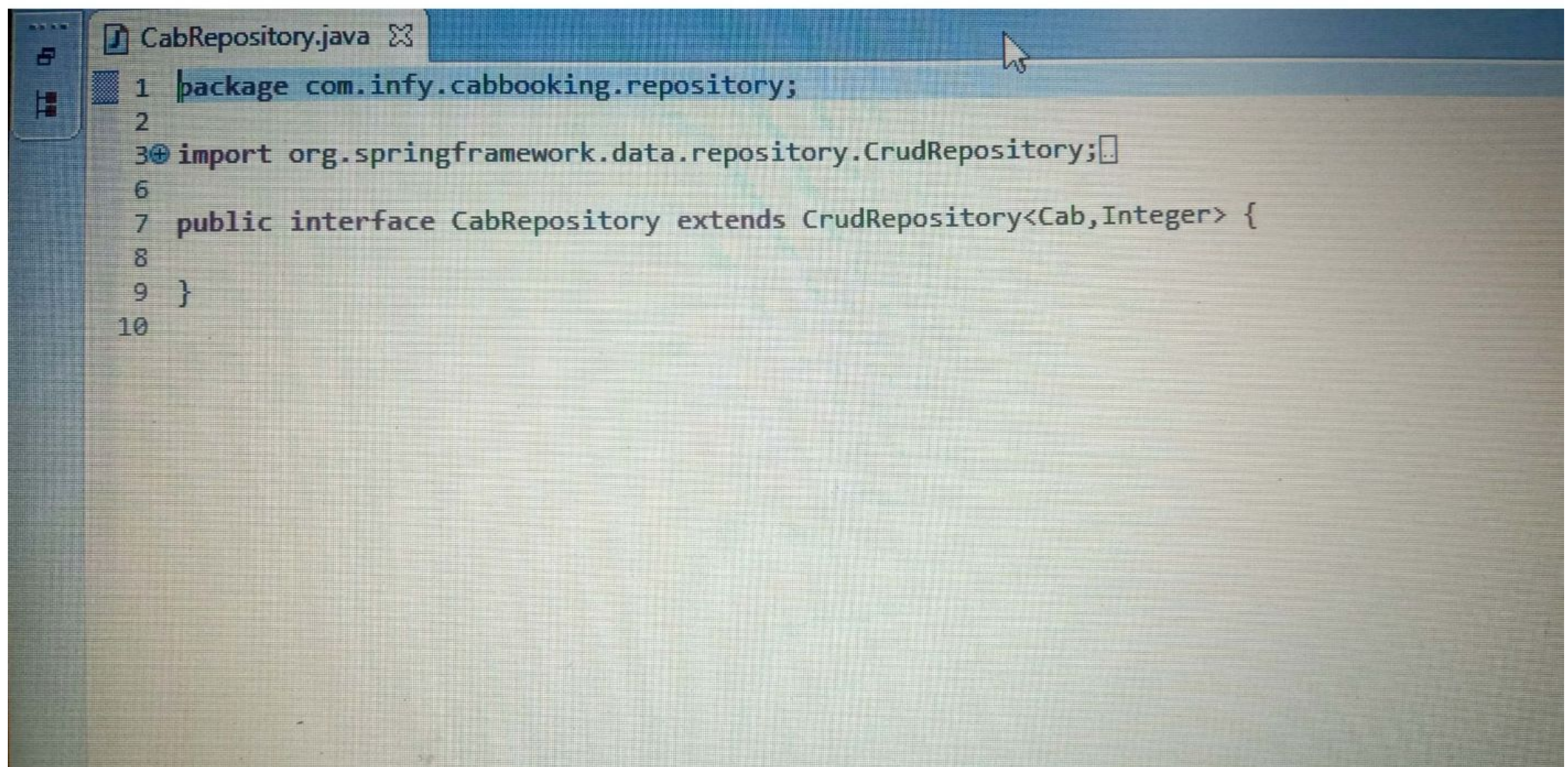
```
1 package com.infy.cabbooking.entity;
2
3 import javax.persistence.Entity;
4
5
6
7 @Entity
8 @Table(name="cab")
9 public class Cab {
10     @Id
11     private Integer cabNo;
12     private String modelName;
13     private Long driverPhoneNo;
14     private String availability;
15
16
17     public Integer getCabNo() {
18         return cabNo;
19     }
20     public void setCabNo(Integer cabNo) {
21         this.cabNo = cabNo;
22     }
23     public String getModelName() {
24         return modelName;
25     }
26     public void setModelName(String modelName) {
27         this.modelName = modelName;
28     }
29
30     public Long getDriverPhoneNo() {
31         return driverPhoneNo;
32     }
33 }
```



```
15
16
17 public Integer getCabNo() {
18     return cabNo;
19 }
20 public void setCabNo(Integer cabNo) {
21     this.cabNo = cabNo;
22 }
23 public String getModelName() {
24     return modelName;
25 }
26 public void setModelName(String modelName) {
27     this.modelName = modelName;
28 }
29
30 public Long getDriverPhoneNo() {
31     return driverPhoneNo;
32 }
33 public void setDriverPhoneNo(Long driverPhoneNo) {
34     this.driverPhoneNo = driverPhoneNo;
35 }
36 public String getAvailability() {
37     return availability;
38 }
39 public void setAvailability(String availability) {
40     this.availability = availability;
41 }
42
43 }
```



```
BookingRepository.java ✖
1 package com.infy.cabbooking.repository;
2
3 import java.util.List;
4
5
6
7
8
9 public interface BookingRepository extends CrudRepository<Booking,Integer> {
10     List<Booking> findByBookingType(String BookingType);
11
12 }
13
```

```
CabRepository.java
1 package com.infy.cabbooking.repository;
2
3 import org.springframework.data.repository.CrudRepository;
4
5
6 public interface CabRepository extends CrudRepository<Cab,Integer> {
7
8 }
9
10
```


CabBookingServiceImpl.java

```
1 package com.infy.cabbooking.service;
2
3 import java.util.ArrayList;
4
5
6
7
8
9
10
11
12
13 @Service(value="cabBookingService")
14 @Transactional
15 public class CabBookingServiceImpl implements CabBookingService {
16     @Autowired
17     private BookingRepository bookingRepository;
18     @Autowired
19     private CabRepository cabRepository;
20
21
22
23 @Override
24 public List<BookingDTO> getDetailsByBookingType(String bookingType) throws CabBookingException {
25     List<Booking> w1=bookingRepository.findByBookingType(bookingType);
26     List<BookingDTO> bookingDTOs=new ArrayList<>();
27     if(w1.isEmpty()) {
28         throw new CabBookingException("Service.NO_DETAILS_FOUND");
29     }
30     for(Booking booking:w1) {
31         BookingDTO b=new BookingDTO();
32         b.setBookingId(booking.getBookingId());
33         b.setCustomerName(booking.getCustomerName());
34         b.setBookingType(booking.getBookingType());
35         b.setPhoneNo(booking.getPhoneNo());
36         CabDTO c=new CabDTO();
37     }
38 }
```

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