

```
1 package br.com.uniamerica.estacionamento.repository;
2
3 import br.com.uniamerica.estacionamento.entity.Marca;
4 import org.springframework.data.jpa.repository.
  JpaRepository;
5
6 public interface MarcaRepository extends
  JpaRepository<Marca, Long> {}
7
```

```
1 package br.com.uniamerica.estacionamento.repository;  
2  
3 import br.com.uniamerica.estacionamento.entity.  
    Veiculo;  
4 import org.springframework.data.jpa.repository.  
    JpaRepository;  
5  
6 public interface VeiculoRepository extends  
    JpaRepository<Veiculo, Long> { }  
7
```

```
1 package br.com.uniamerica.estacionamento.entity;
2
3 import jakarta.persistence.Column;
4 import jakarta.persistence.Entity;
5 import jakarta.persistence.Table;
6 import lombok.Getter;
7 import lombok.NoArgsConstructor;
8 import lombok.Setter;
9
10 import java.time.LocalDateTime;
11 import java.time.LocalTime;
12 @Table(name = "tb_condutor", schema = "public")
13 @Entity
14 @NoArgsConstructor
15 public class Conductor extends AbstratEntity{
16     @Getter
17     @Setter
18     @Column(name = "nome", nullable = false, length
19         = 50)
20     private String nome;
21     @Getter
22     @Setter
23     @Column(name = "cpf", nullable = false, unique =
24         true, length = 20)
25     private String cpf;
26     @Getter
27     @Setter
28     @Column(name = "telefone", nullable = false,
29         length = 20)
30     private String telefone;
31     @Getter
32     @Setter
33     @Column(name = "tempoPago", nullable = false)
34     private LocalTime tempoPago;
35     @Getter
36     @Setter
37     @Column(name = "tempoDesconto", nullable = false)
38     private LocalTime tempoDesconto;
```

```
39  
40 }  
41
```

```
1 package br.com.uniamerica.estacionamento.entity;
2
3 import jakarta.persistence.*;
4 import lombok.Getter;
5 import lombok.NoArgsConstructor;
6 import lombok.Setter;
7
8 import java.time.LocalDateTime;
9 import java.util.ArrayList;
10 import java.util.List;
11
12 @Table(name = "tb_veiculo", schema = "public")
13 @Entity
14 @NoArgsConstructor
15 public class Veiculo extends AbstratEntity{
16     @Getter
17     @Setter
18     @Column(name = "placa", nullable = false, unique
19         = true, length = 10)
20     private String placa;
21     @Getter
22     @Setter
23     @ManyToOne
24     @JoinColumn(name = "modelo_id", nullable = false)
25     private Modelo modelo;
26     @Getter
27     @Setter
28     @Column(name = "cor", nullable = false)
29     @Enumerated(EnumType.STRING)
30     private Cor cor;
31     @Getter
32     @Setter
33     @Column(name = "tipo", nullable = false)
34     @Enumerated(EnumType.STRING)
35     private Tipo tipo;
36     @Getter
37     @Setter
38     @Column(name = "ano", nullable = false)
39     private int ano;
40
```

```
41  
42  
43 }  
44
```

```
1 package br.com.uniamerica.estacionamento.repository;
2
3 import br.com.uniamerica.estacionamento.entity.
  Movimentacao;
4 import org.springframework.boot.json.
  JacksonJsonParser;
5 import org.springframework.data.jpa.repository.
  JpaRepository;
6
7 public interface MovimentacoRepository extends
  JpaRepository<Movimentacao, Long> { }
8
```

```
1 package br.com.uniamerica.estacionamento.repository;  
2  
3 import br.com.uniamerica.estacionamento.entity.  
    Configuracao;  
4 import org.springframework.data.jpa.repository.  
    JpaRepository;  
5  
6 public interface ConfiguracaoRepository extends  
    JpaRepository<Configuracao, Long> { }  
7
```



```
1 package br.com.uniamerica.estacionamento.repository;  
2  
3 import br.com.uniamerica.estacionamento.entity.  
    Condutor;  
4 import org.springframework.data.jpa.repository.  
    JpaRepository;  
5  
6 public interface CondutorRepository extends  
    JpaRepository<Condutor, Long> { }  
7
```

```
1 package br.com.uniamerica.estacionamento.entity;
2
3 import jakarta.persistence.Column;
4 import jakarta.persistence.Entity;
5 import jakarta.persistence.Table;
6 import lombok.Getter;
7 import lombok.NoArgsConstructor;
8 import lombok.Setter;
9 import org.springframework.cglib.core.Local;
10
11 import java.math.BigDecimal;
12 import java.time.LocalDateTime;
13 @Table(name = "tb_configuracao", schema = "public")
14 @Entity
15 @NoArgsConstructor
16 public class Configuracao extends AbstratEntity{
17     @Getter
18     @Setter
19     @Column(name = "valorHora")
20     private BigDecimal valorHora;
21     @Getter
22     @Setter
23     @Column(name = "valorMinutoMulta")
24     private BigDecimal valorMinutoMulta;
25     @Getter
26     @Setter
27     @Column(name = "fimExpediente")
28     private LocalDateTime fimExpediente;
29     @Getter
30     @Setter
31     @Column(name = "tempoParaDesconto")
32     private LocalDateTime tempoParaDesconto;
33     @Getter
34     @Setter
35     @Column(name = "tempoDeDesconto")
36     private LocalDateTime tempoDeDesconto;
37     @Getter
38     @Setter
39     @Column(name = "gerarDesconto")
40     private boolean gerarDesconto;
41     @Getter
```

```
42     @Setter
43     @Column(name = "vagasMotos")
44     private int vagasMoto;
45     @Getter
46     @Setter
47     @Column(name = "vagasVan")
48     private int vagasVan;
49     @Getter
50     @Setter
51     @Column(name = "vagasCarro")
52     private int vagasCarro;
53
54
55
56 }
57
```

```
1 package br.com.uniamerica.estacionamento.entity;
2
3 import jakarta.persistence.*;
4 import lombok.Getter;
5 import lombok.NoArgsConstructor;
6 import lombok.Setter;
7
8 import java.math.BigDecimal;
9 import java.time.LocalDateTime;
10 import java.time.LocalTime;
11 @Table(name = "tb_movimentacao", schema = "public")
12 @Entity
13 @NoArgsConstructor
14 public class Movimentacao extends AbstratEntity {
15     @Getter
16     @Setter
17     @ManyToOne
18     @JoinColumn(name = "veiculo_id", nullable = false)
19     private Veiculo veiculo;
20     @Getter
21     @Setter
22     @ManyToOne
23     @JoinColumn(name = "condutor_id", nullable = false
24 )
25     private Conductor condutor;
26     @Getter
27     @Setter
28     @Column(name = "entrada", nullable = false)
29     private LocalDateTime entrada;
30     @Getter
31     @Setter
32     @Column(name = "saida")
33     private LocalDateTime saida;
34
35     @Getter
36     @Setter
37     @Column(name = "tempo")
38     private LocalTime tempo;
39
40     @Getter
```

```
41     @Setter
42     @Column(name = "tempoDesconto")
43     private LocalDateTime tempoDesconto;
44
45     @Getter
46     @Setter
47     @Column(name = "tempoMulta")
48     private LocalDateTime tempoMulta;
49
50     @Getter
51     @Setter
52     @Column(name = "valordesconto")
53     private BigDecimal valorDesconto;
54     @Getter
55     @Setter
56     @Column(name = "valordamulta")
57     private BigDecimal valorMulta;
58     @Getter
59     @Setter
60     @Column(name = "valortotal")
61     private BigDecimal valorTotal;
62     @Getter
63     @Setter
64     @Column(name = "valorhora")
65     private BigDecimal valorHora;
66     @Getter
67     @Setter
68     @Column(name = "valorhoramulta")
69     private BigDecimal valorHoraMulta;
70
71
72 }
73
74
75
```

```
1 package br.com.uniamerica.estacionamento.entity;
2
3 import jakarta.persistence.*;
4 import lombok.Getter;
5 import lombok.NoArgsConstructor;
6 import lombok.Setter;
7
8 import java.time.LocalDateTime;
9 @Table(name="tb_modelo", schema = "public")
10 @Entity
11 @NoArgsConstructor
12 public class Modelo extends AbstratEntity {
13     @Getter
14     @Setter
15     @Column(name = "nome", nullable = false, length
16         = 50, unique = true)
17     private String nome;
18     @Getter
19     @Setter
20     @ManyToOne
21     @JoinColumn(name = "marca_id", nullable = false)
22     private Marca marca;
23
24
25 }
26
```

```
1 package br.com.uniamerica.estacionamento.entity;
2
3 import jakarta.persistence.*;
4 import lombok.Getter;
5 import lombok.Setter;
6
7 import java.time.LocalDateTime;
8 @MappedSuperclass
9 public abstract class AbstratEntity {
10     @Getter
11     @Id
12     @GeneratedValue(strategy = GenerationType.AUTO)
13     @Column(name = "id", nullable = false, unique =
14         true)
15     private Long id;
16     @Getter
17     @Setter
18     @Column(name = "cadastro", nullable = false)
19     private LocalDateTime cadastro;
20     @Getter
21     @Setter
22     @Column(name = "edicao", nullable = false)
23     private LocalDateTime edicao;
24     @Getter
25     @Setter
26     @Column(name = "ativo", nullable = false)
27     private boolean ativo;
28
29
30 }
31
```

```
1 package br.com.uniamerica.estacionamento.repository;  
2  
3 import br.com.uniamerica.estacionamento.entity.Modelo  
4 ;  
5 import org.springframework.data.jpa.repository.  
6 JpaRepository;  
7  
8 public interface ModeloRepository extends  
9 JpaRepository<Modelo, Long> { }
```



```
1 package br.com.uniamerica.estacionamento.entity;
2
3 import jakarta.persistence.*;
4 import lombok.Getter;
5 import lombok.NoArgsConstructor;
6 import lombok.Setter;
7
8 import java.time.LocalDateTime;
9 import java.util.ArrayList;
10 import java.util.List;
11
12 @Table(name = "tb_marca", schema = "public")
13 @Entity
14 @NoArgsConstructor
15 public class Marca extends AbstratEntity {
16     @Getter
17     @Setter
18     @Column(name = "nome", nullable = false, unique
19         = true, length = 50)
20     private String nome;
21 }
22
```