

```
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.Setter;
8
9 import java.time.LocalDateTime;
10 @Table(name = "marca", schema = "public")
11 @Entity
12
13 public class Marca extends AbstratEntity {
14     @Getter
15     @Setter
16     @Column(name = "nome", nullable = false, unique
17         = true, length = 50)
18     private String nome;
19
20 }
21
```

```
1 package br.com.uniamerica.estacionamento.entity;  
2  
3 public enum Tipo {  
4     Carro,  
5     Moto,  
6     Van;  
7 }  
8
```

```
1 package br.com.uniamerica.estacionamento;  
2  
3 import org.springframework.boot.SpringApplication;  
4 import org.springframework.boot.autoconfigure.  
    SpringApplication;  
5  
6 @SpringBootApplication  
7 public class EstacionamentoApplication {  
8  
9     public static void main(String[] args) {  
10         SpringApplication.run(  
            EstacionamentoApplication.class, args);  
11     }  
12  
13 }  
14
```

```
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 @Table(name = "veiculo", schema = "public")
9 @Entity
10 public class Veiculo extends AbstratEntity{
11     @Getter
12     @Setter
13     @Column(name = "placa", nullable = false, unique
14 = true, length = 10)
15     private String placa;
16     @Getter
17     @Setter
18     private Modelo modelo;
19     @Getter
20     @Setter
21     @Column(name = "cor", nullable = false)
22     @Enumerated(EnumType.STRING)
23     private Cor cor;
24     @Getter
25     @Setter
26     @Column(name = "tipo", nullable = false)
27     @Enumerated(EnumType.STRING)
28     private Tipo tipo;
29     @Getter
30     @Setter
31     @Column(name = "ano", nullable = false)
32     private int ano;
33
34
35
36 }
37
```

```
1 package br.com.uniamerica.estacionamento.entity;
2
3 import jakarta.persistence.Column;
4 import jakarta.persistence.Table;
5 import lombok.Getter;
6 import lombok.Setter;
7
8 import java.math.BigDecimal;
9 import java.time.LocalDateTime;
10 import java.time.LocalTime;
11 @Table(name = "movimentacao", schema = "public")
12
13 public class Movimentacao extends AbstratEntity {
14     @Getter
15     @Setter
16
17     private Veiculo veiculo;
18     @Getter
19     @Setter
20
21     private Condutor condutor;
22     @Getter
23     @Setter
24     @Column(name = "entrada", nullable = false)
25
26     private LocalDateTime entrada;
27     @Getter
28     @Setter
29     @Column(name = "saida")
30     private LocalDateTime saida;
31
32     @Getter
33     @Setter
34     @Column(name = "tempo")
35     private LocalTime tempo;
36
37     @Getter
38     @Setter
39     @Column(name = "tempoDesconto")
40     private LocalTime tempoDesconto;
41
```

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

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

```
1 package br.com.uniamerica.estacionamento.entity;  
2  
3 public enum Cor {  
4     Branco,  
5     Preto,  
6     Amarelo,  
7     Azul,  
8     Verde;  
9 }  
10
```



```
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.Setter;
8 import org.springframework.cglib.core.Local;
9
10 import java.math.BigDecimal;
11 import java.time.LocalDateTime;
12 @Table(name = "configuracao", schema = "public")
13 @Entity
14 public class Configuracao extends AbstratEntity{
15     @Getter
16     @Setter
17     @Column(name = "valorHora")
18     private BigDecimal valorHora;
19     @Getter
20     @Setter
21     @Column(name = "valorMinutoMulta")
22     private BigDecimal valorMinutoMulta;
23     @Getter
24     @Setter
25     @Column(name = "fimExpediente")
26     private LocalDateTime fimExpediente;
27     @Getter
28     @Setter
29     @Column(name = "tempoParaDesconto")
30     private LocalDateTime tempoParaDesconto;
31     @Getter
32     @Setter
33     @Column(name = "tempoDeDesconto")
34     private LocalDateTime tempoDeDesconto;
35     @Getter
36     @Setter
37     @Column(name = "gerarDesconto")
38     private boolean gerarDesconto;
39     @Getter
40     @Setter
41     @Column(name = "vagasMotos")
```

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

```
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.Setter;
8
9 import java.time.LocalDateTime;
10 import java.time.LocalTime;
11 @Table(name = "condutor", schema = "public")
12 @Entity
13
14 public class Condutor extends AbstratEntity{
15     @Getter
16     @Setter
17     @Column(name = "nome", nullable = false, length
18         = 50)
19     private String nome;
20     @Getter
21     @Setter
22     @Column(name = "cpf", nullable = false, unique =
23         true, length = 20)
24     private String cpf;
25     @Getter
26     @Setter
27     @Column(name = "telefone", nullable = false,
28         length = 20)
29     private String telefone;
30     @Getter
31     @Setter
32     @Column(name = "tempoPago", nullable = false)
33     private LocalTime tempoPago;
34     @Getter
35     @Setter
36     @Column(name = "tempoDesconto", nullable = false)
37     private LocalTime tempoDesconto;
38
```

39 }

40

```
1 package br.com.uniamerica.estacionamento.entity;
2
3 import jakarta.persistence.Column;
4 import jakarta.persistence.Id;
5 import jakarta.persistence.MappedSuperclass;
6 import jakarta.persistence.Table;
7 import lombok.Getter;
8 import lombok.Setter;
9
10 import java.time.LocalDateTime;
11 @MappedSuperclass
12 public abstract class AbstratEntity {
13     @Getter
14     @Id
15     @Column(name = "id", nullable = false, unique =
16         true)
17     private Long id;
18     @Getter
19     @Setter
20     @Column(name = "cadastro", nullable = false)
21     private LocalDateTime cadastro;
22     @Getter
23     @Setter
24     @Column(name = "edicao", nullable = false)
25     private LocalDateTime edicao;
26     @Getter
27     @Setter
28     @Column(name = "ativo", nullable = false)
29     private boolean ativo;
30
31
32 }
33
```