```java
package br.com.uniamerica.estacionamento.entity;
import jakarta.persistence.Column;
import jakarta.persistence.Entity;
import jakarta.persistence.Table;
import lombok.Getter;
import lombok.Setter;

import java.time.LocalDateTime;
import java.time.LocalTime;
@Entity
@Table(name = "Condutores", schema = "public")
public class Condutor extends Entitty {
    @Getter
    @Setter
    @Column(name = "nm-condutor", nullable = false, length = 100)
    private String nome;
    @Getter
    @Setter
    @Column(name = "num-cpf-condutor", nullable = false, unique = true, length = 12)
    private String cpf;
    @Getter
    @Setter
    @Column(name = "num-tel-condutor", nullable = false, length = 17)
    private String telefone;
    @Getter
    @Setter
    @Column(name = "ds-tempo-pago", nullable = false)

    private LocalTime tempoPago;
    @Getter
    @Setter
    @Column(name = "ds-tempo-desconto", nullable = false)
    private LocalTime tempoDesconto;
}



```

```java
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.math.BigDecimal;
10 import java.time.LocalTime;
11 @Entity
12 @Table(name = "configuracoes", schema = "public")
13 public class Configuracao extends Entitty{
14     @Getter @Setter
15     @Column(name = "num-valor-hora", nullable = false
)
16     private BigDecimal valorHora;
17     @Getter @Setter
18     @Column(name = "num-valor-minuto-multa", nullable
 = false)
19     private BigDecimal valorMinutoHora;
20     @Getter @Setter
21     @Column(name = "ds-inicio-atendimento", nullable
 = false)
22     private LocalTime inicioExpediente;
23     @Getter @Setter
24     @Column(name = "ds-fim-atendimento", nullable =
false)
25     private LocalTime fimExpediente;
26     @Getter @Setter
27     @Column(name = "num-gera-desconto", nullable =
false)
28     private LocalTime tempoParaDesconto;
29     @Getter @Setter
30     @Column(name = "num-tempo-desconto", nullable =
false)
31     private LocalTime tempoDeDesconto;
32     @Getter @Setter
33     @Column(name = "tp-gerar-desconto", nullable =
false)
34     private boolean gerarDesconto;
```

```java
35      @Getter @Setter
36      @Column(name = "num-vaga-moto", nullable = false)
37      private int vagasMoto;
38      @Getter @Setter
39      @Column(name = "num-vaga-carro", nullable = false
    )
40      private int vagasCarro;
41      @Getter @Setter
42      @Column(name = "num-vaga-van", nullable = false)
43      private int vagasVan;
44
45
46
47 }
48
```

```java
1  package br.com.uniamerica.estacionamento.entity;
2
3  public enum Cor {
4      Branco, Azul, Amarelo, Preto, Cinza, Roxo, Vinho
   , Laranja, Grafite
5
6
7  }
8
```

```java
 1  package br.com.uniamerica.estacionamento.entity;
 2  import jakarta.persistence.*;
 3  import lombok.Getter;
 4  import lombok.Setter;
 5
 6  import java.time.LocalDateTime;
 7
 8  /**
 9   * @autor Thiago Cavalcante
10   *
11   * @version 1.0.0.0 20/03/2023
12   * @since 1.0.0
13   */
14  @MappedSuperclass//indica para o hbernate que esta é
    a classe a ser implementada em todas as outras
15  public abstract class Entitty {
16      @Id
17      @GeneratedValue(strategy = GenerationType.AUTO)
18      @Getter
19      @Column(name = "id", nullable = false, unique =
    true)
20      protected Long id;
21      @Getter @Setter
22      @Column(name = "dtCadastro", nullable=false )
23      private LocalDateTime cadastro;
24      @Getter @Setter
25      @Column(name = "dtEdicao")
26      private LocalDateTime edicao;
27      @Column(name = "stAtivo", nullable=false )
28      @Getter @Setter
29      private boolean ativo;
30
31
32      @PrePersist
33      private void prePersist (){
34          this.cadastro = LocalDateTime.now();
35          this.ativo = true;
36      }
37
38      @PrePersist
39      private void preUpdate(){
```

```
40          this.edicao = LocalDateTime.now();
41      }
42
43 }
44
```

```java
 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
10  @Entity
11  @Table(name = "marca", schema = "public")
12  public class Marca extends Entitty{
13      @Getter @Setter
14      @Column(name = "nm-marca", nullable = false)
15      private String nome;
16
17
18  }
19
```

```java
1  package br.com.uniamerica.estacionamento.entity;
2
3  import jakarta.persistence.Column;
4  import jakarta.persistence.Entity;
5  import jakarta.persistence.Enumerated;
6  import jakarta.persistence.Table;
7  import lombok.Getter;
8  import lombok.Setter;
9
10 @Entity
11 @Table(name = "modelos", schema = "public")
12 public class Modelo extends Marca {
13     @Getter
14     @Setter
15     @Column(name = "nm-modelo", nullable = false,
   length = 100)
16     private String nome;
17     @Getter
18     @Setter
19     @Column(name = "nm-marca", nullable = false,
   length = 15)
20     private Marca marca;
21 }
22
23
24
```

```java
package br.com.uniamerica.estacionamento.entity;

import jakarta.persistence.Column;
import jakarta.persistence.Entity;
import jakarta.persistence.Table;
import lombok.Getter;
import lombok.Setter;

import java.math.BigDecimal;
import java.time.LocalDateTime;
import java.time.LocalTime;
@Entity
@Table(name = "movimentacoes", schema = "public")
public class Movimentacao extends Entitty {
    @Getter
    @Setter
    @Column(name = "co-veiculo", nullable = false)
    private Veiculo veiculo;
    @Getter
    @Setter
    @Column(name = "co-condutor", nullable = false)
    private Condutor condutor;
    @Getter
    @Setter
    @Column(name = "dt-entrada", nullable = false)
    private LocalDateTime entrada;
    @Getter
    @Setter
    @Column(name = "dt-saida")
    private LocalDateTime saida;
    @Getter
    @Setter
    @Column(name = "ds-tempo-uso")
    private LocalTime tempo;
    @Getter
    @Setter
    @Column(name = "ds-tempo-desconto")
    private LocalTime tempoDesconto;
    @Getter
    @Setter
    @Column(name = "ds-tempo-multa")
```

```java
42      private LocalTime tempoMulta;
43      @Getter
44      @Setter
45      @Column(name = "dt-saida")
46      private BigDecimal valorDesconto;
47      @Getter
48      @Setter
49      @Column(name = "ds-valor-multa")
50      private BigDecimal valorMulta;
51      @Getter
52      @Setter
53      @Column(name = "ds-valor-total")
54      private BigDecimal valorTotal;
55      @Getter
56      @Setter
57      @Column(name = "ds-valor-hora")
58      private BigDecimal valorHora;
59      @Getter
60      @Setter
61      @Column(name = "ds-valor-multa")
62      private BigDecimal valorHoraMulta;
63
64 }
65
```

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

```java
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  @Entity
9  @Table(name = "veiculos", schema = "public")
10 public class Veiculo extends Entitty{
11     @Getter @Setter
12     @Column(name = "ds-placa-veiculo", nullable =
   false, length = 7)
13     private String placa;
14     @Getter @Setter
15     @Column(name = "nm-modelo", nullable = false,
   length = 30)
16     private Modelo modelo;
17     @Getter @Setter
18     @Column(name = "ds-cor", nullable = false, length
    = 20)
19     @Enumerated(EnumType.STRING)
20     private Cor cor;
21     @Getter @Setter
22     @Column(name = "tp-veiculo", nullable = false,
   length = 5)
23     @Enumerated(EnumType.STRING)
24     private Tipo tipo;
25     @Getter @Setter
26     @Column(name = "num-ano-veiculo", nullable =
   false)
27     private int ano;
28
29 }
30
31
32
```