

```
1 using System;
2 using System.Collections.Generic;
3 using System.Linq;
4 using System.Text;
5 using System.Threading.Tasks;
6
7 namespace Hotelaria
8 {
9     class Aluga
10    {
11
12        public DateTime dt_aluguel;
13        public int encerrado;
14
15
16        public Quarto Quarto;
17        public Diaria Diaria;
18        public Hospede Hospede;
19
20
21        //constructor
22
23        public Aluga()
24        {
25            Quarto = new Quarto();
26            Diaria = new Diaria();
27            Hospede = new Hospede();
28
29        }
30
31
32
33
34
35
36        public void Consdiaria()
37        {
38
39        }
40
41    }
42 }
43
```

```
1 using System;
2 using System.Collections.Generic;
3 using System.Linq;
4 using System.Text;
5 using System.Threading.Tasks;
6
7 namespace Hotelaria
8 {
9     class Categoria
10    {
11        public string DescreverCat;
12        public double Valor;
13
14        public Quarto Quarto;
15        public Item_frig_categ Item_Frig_Categ;
16        public Itemcategoria Itemcategoria;
17
18        public Categoria()
19        {
20            Quarto = new Quarto();
21            Item_Frig_Categ = new Item_frig_categ();
22            Itemcategoria = new Itemcategoria();
23
24        }
25    }
26 }
27
28 }
29
```

```
1 using System;
2 using System.Collections.Generic;
3 using System.Linq;
4 using System.Text;
5 using System.Threading.Tasks;
6
7 namespace Hotelaria
8 {
9     class Consome
10     {
11
12         public int Qtd_item;
13         public double Val_item;
14         public DateTime Dt_consumo;
15
16         public Item_frig_categ Item_Frig_Categ;
17         public Ocupa Ocupa;
18
19         public Consome()
20         {
21             Item_Frig_Categ = new Item_frig_categ();
22             Ocupa = new Ocupa();
23         }
24     }
25 }
26
```

```
1 using System;
2 using System.Collections.Generic;
3 using System.Linq;
4 using System.Text;
5 using System.Threading.Tasks;
6
7 namespace Hotelaria
8 {
9     class Diaria
10    {
11        public DateTime dt_diaria;
12        public double val_diaria;
13        public int quit_diaria;
14
15
16        public Aluga Aluga;
17
18        public Diaria()
19        {
20            Aluga = new Aluga();
21        }
22
23        public double Con_diaria()
24        {
25            return val_diaria;
26        }
27
28        public int Quit_diaria()
29        {
30            return quit_diaria;
31        }
32    }
33 }
34
```

```
1 using System;
2 using System.Collections.Generic;
3 using System.Linq;
4 using System.Text;
5 using System.Threading.Tasks;
6
7 namespace Hotelaria
8 {
9     class Funcionario
10    {
11        //Atributo
12        public string Nome;
13        public int Cod_id;
14
15        public Quarto Quarto;
16
17        //Met Construtor
18
19        public Funcionario()
20        {
21            Quarto = new Quarto();
22        }
23
24
25
26        //Metodo
27        public void Aluga()
28        {
29            Console.WriteLine("Alugado");
30        }
31        public void Reserva()
32        {
33            Console.WriteLine("Reservado");
34        }
35        public void Encerra()
36        {
37            Console.WriteLine("Encerrado");
38        }
39    }
40 }
41
```

```
1 using System;
2 using System.Collections.Generic;
3 using System.Linq;
4 using System.Text;
5 using System.Threading.Tasks;
6
7 namespace Hotelaria
8 {
9     class Hospede
10    {
11        public string Nome;
12        public int Cpf;
13        public string End;
14        public string Tel;
15        public string Email;
16
17        public Aluga Aluga;
18        public Ocupa Ocupa;
19
20        public Hospede()
21        {
22            Aluga = new Aluga();
23            Ocupa = new Ocupa();
24        }
25
26        public string ConHospede()
27        {
28            return Nome;
29        }
30    }
31 }
32
```

```
1 using System;
2 using System.Collections.Generic;
3 using System.Linq;
4 using System.Text;
5 using System.Threading.Tasks;
6
7 namespace Hotelaria
8 {
9     class Item
10     {
11         public string Descricao;
12
13         public Itemcategoria Itemcategoria;
14
15         public Item()
16         {
17             Itemcategoria = new Itemcategoria();
18         }
19     }
20 }
21
```

```
1 using System;
2 using System.Collections.Generic;
3 using System.Linq;
4 using System.Text;
5 using System.Threading.Tasks;
6
7 namespace Hotelaria
8 {
9     class Item_frig_categ
10    {
11        public int Qtd;
12
13        public Item_frigobar Item_Frigobar;
14        public Categoria Categoria;
15        public Consome Consome;
16
17
18        public Item_frig_categ()
19        {
20            Item_Frigobar = new Item_frigobar();
21            Categoria = new Categoria();
22            Consome = new Consome();
23        }
24    }
25 }
26
```



```
1 using System;
2 using System.Collections.Generic;
3 using System.Linq;
4 using System.Text;
5 using System.Threading.Tasks;
6
7 namespace Hotelaria
8 {
9     class Item_frigobar
10    {
11        public double Val_item;
12        public string Descr_item;
13
14        public Item_frig_categ Item_Frig_Categ;
15
16        public Item_frigobar()
17        {
18            Item_Frig_Categ = new Item_frig_categ();
19        }
20    }
21 }
22
23
```

```
1 using System;
2 using System.Collections.Generic;
3 using System.Linq;
4 using System.Text;
5 using System.Threading.Tasks;
6
7 namespace Hotalaria
8 {
9     class Itemcategoria
10    {
11        public int Qtd_item;
12
13
14        public Categoria Categoria;
15        public Item Item;
16
17
18        public Itemcategoria()
19        {
20            Categoria = new Categoria();
21            Item = new Item();
22        }
23    }
24 }
25
```

```
1 using System;
2 using System.Collections.Generic;
3 using System.Linq;
4 using System.Text;
5 using System.Threading.Tasks;
6
7 namespace Hotelaria
8 {
9     class Ocupa
10    {
11        public DateTime dt_entrada;
12        public DateTime dt_saida;
13
14        public Hospede Hospede;
15        public Solicita_servico Solicita_Servico;
16        public Consome Consome;
17
18
19        public Ocupa()
20        {
21            Hospede = new Hospede();
22            Solicita_Servico = new Solicita_servico();
23            Consome = new Consome();
24        }
25    }
26 }
27
```

```
1 using System;
2 using System.Collections.Generic;
3 using System.Linq;
4 using System.Text;
5 using System.Threading.Tasks;
6
7 namespace Hotelaria
8 {
9     class Quarto
10     {
11         public int nrquarto;
12         public int situacao;
13
14         public Funcionario Funcionario;
15         public Categoria Categoria;
16         public Ocupa Ocupa;
17
18         //metodo construtor
19
20         public Quarto()
21         {
22             Funcionario = new Funcionario();
23             Categoria = new Categoria();
24             Ocupa = new Ocupa();
25         }
26
27
28         public void Selecionado()
29         {
30             Console.WriteLine("Selecionado");
31         }
32     }
33 }
34
35
```

```
1 using System;
2 using System.Collections.Generic;
3 using System.Linq;
4 using System.Text;
5 using System.Threading.Tasks;
6
7 namespace Hotelaria
8 {
9     class Servico
10     {
11         public string Descric_servico;
12         public double Val_servico;
13
14
15         public Solicita_servico Solicita_Servico;
16
17         public Servico()
18         {
19             Solicita_Servico = new Solicita_servico();
20         }
21     }
22 }
23
```

```
1 using System;
2 using System.Collections.Generic;
3 using System.Linq;
4 using System.Text;
5 using System.Threading.Tasks;
6
7 namespace Hotelaria
8 {
9     class Solicita_servico
10     {
11         //atributo
12
13         public DateTime dt_servico;
14
15
16         public Ocupa Ocupa;
17         public Servico Servico;
18
19         public Solicita_servico()
20         {
21             Ocupa = new Ocupa();
22             Servico = new Servico();
23         }
24     }
25 }
26
```