```csharp
 1 using System;
 2 using System.Collections.Generic;
 3 using System.Linq;
 4 using System.Text;
 5 using System.Threading.Tasks;
 6 using System.Data;
 7 using System.Data.SqlClient;
 8 using HMapp.Model;
 9
10 namespace HMapp.DAO
11 {
12     class DaoConsultas
13     {
14         public void Insert(Consultas consulta)
15         {
16             SqlCommand comando = new SqlCommand();
17             comando.CommandType = System.Data.CommandType.Text;
18             comando.CommandText = "Insert into Consultas(ID, HR_INICIO,
                 HR_FIM, COMENTS, CRM_M, CPF_P) values(@ID, @HR_INICIO, @HR_FIM,
                 @COMENTS, @CRM_M, @CPF_P)";
19
20             comando.Parameters.AddWithValue("@ID", consulta.id);
21             comando.Parameters.AddWithValue("@HR_INICIO", consulta.hr_inicio);
22             comando.Parameters.AddWithValue("@HR_FIM", consulta.hr_fim);
23             comando.Parameters.AddWithValue("@COMENTS", consulta.coments);
24             comando.Parameters.AddWithValue("@CRM_M", consulta.med.crm);
25             comando.Parameters.AddWithValue("@CPF_P", consulta.pac.cpf);
26
27
28             Conexao.CRUD(comando);
29         }
30
31         public void Update(Consultas consulta)
32         {
33             SqlCommand comando = new SqlCommand();
34             comando.CommandType = System.Data.CommandType.Text;
35             comando.CommandText = "Update into Consultas(ID, HRA_INICIO,
                 HRA_FIM, COMENTS, CRM_M, CPF_P) values(@ID, @HR_INICIO, @HR_FIM,
                 @COMENTS, @CRM_M, @CPF_P)";
36
37             comando.Parameters.AddWithValue("@ID", consulta.id);
38             comando.Parameters.AddWithValue("@HRA_INICIO",
                 consulta.hr_inicio);
39             comando.Parameters.AddWithValue("@HRA_FIM", consulta.hr_fim);
40             comando.Parameters.AddWithValue("@COMENTS", consulta.coments);
41             comando.Parameters.AddWithValue("@CRM_M", consulta.med.crm);
42             comando.Parameters.AddWithValue("@CPF_P", consulta.pac.cpf);
43
44             Conexao.CRUD(comando);
45         }
46
47         public void Delete(Consultas consulta)
48         {
49             SqlCommand comando = new SqlCommand();
50             comando.CommandType = System.Data.CommandType.Text;
51             comando.CommandText = "Delete from Consultas where ID=@ID";
```

```csharp
52
53                 comando.Parameters.AddWithValue("@ID", consulta.id);
54
55                 Conexao.CRUD(comando);
56             }
57
58         public Consultas BuscarPorID(int id)
59         {
60             SqlCommand comando = new SqlCommand();
61             comando.CommandType = System.Data.CommandType.Text;
62             comando.CommandText = "Select * from Pacientes Where ID=@ID";
63
64             comando.Parameters.AddWithValue("@ID", id);
65
66             SqlDataReader dr = Conexao.Selecionar(comando);
67
68             Consultas consulta = new Model.Consultas();
69
70             if (dr.HasRows)
71             {
72                 dr.Read();
73                 consulta.id = (int)dr["ID"];
74                 consulta.hr_inicio = (DateTime)dr["HRA_INICIO"];
75                 consulta.hr_fim = (DateTime)dr["FIM"];
76                 consulta.coments = (string)dr["COMENTS"];
77                 consulta.med.crm = (int)dr["CRM_M"];
78                 consulta.pac.cpf = (int)dr["CPF_P"];
79
80             }
81             else
82             {
83                 consulta = null;
84             }
85
86             return consulta;
87         }
88
89         public IList<Consultas> BuscaPorCPF(int cpf)
90         {
91             SqlCommand comando = new SqlCommand();
92             comando.CommandType = System.Data.CommandType.Text;
93             comando.CommandText = "Select * from Consultas where
                 CPF_P=@CPF_P";
94
95             comando.Parameters.AddWithValue("@CPF", cpf);
96
97             SqlDataReader dr = Conexao.Selecionar(comando);
98             IList<Consultas> consultas = new List<Consultas>();
99
100            if (dr.HasRows)
101            {
102                while (dr.Read())
103                {
104                    Consultas consulta = new Model.Consultas();
105                    consulta.id = (int)dr["ID"];
106                    consulta.hr_inicio = (DateTime)dr["HRA_INICIO"];
```

```
107                        consulta.hr_fim = (DateTime)dr["FIM"];
108                        consulta.coments = (string)dr["COMENTS"];
109                        consulta.med.crm = (int)dr["CRM_M"];
110                        consulta.pac.cpf = (int)dr["CPF_P"];
111                        consultas.Add(consulta);
112                    }
113                }
114                else
115                {
116                    consultas = null;
117                }
118
119                return consultas;
120            }
121
122
123        public DataTable dt_cons(int cpf)
124        {
125            string comando = "Select * from Consultas Where CPF_P=@" + cpf;
126            SqlDataAdapter sda = new SqlDataAdapter(comando, Conexao.Conectar
                  ());
127            DataTable dt = new DataTable();
128            sda.Fill(dt);
129            return dt;
130        }
131    }
132 }
133
```