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1 using System;
2 using System.Collections.Generic;
3 using System.Data;
4 using System.Linq;
5 using System.Text;
6 using System.Threading.Tasks;
7
8 namespace DAL
9 {
10     public class CardFunctions
11     {
12         public static List<Card> getByClub(string club)
13         {
14             List<Card> ret = new List<Card>();
15             string com = "SELECT * FROM [card] where [club] = '" + club + "'";
16             DataTable dt = oledbhelper.GetTable(com);
17             foreach (DataRow dr in dt.Rows)
18             {
19                 Card c = new Card(Convert.ToInt32(dr.ItemArray[0].ToString()),
20                                     dr.ItemArray[1].ToString(), dr.ItemArray[2].ToString(),
21                                     dr.ItemArray[3].ToString(), dr.ItemArray[4].ToString(),
22                                     Convert.ToInt32(dr.ItemArray[5].ToString()), dr.ItemArray
23                                     [6].ToString(), dr.ItemArray[7].ToString());
24
25                 ret.Add(c);
26             }
27             return ret;
28         }
29         public static List<string> getByClubNames(string club)
30         {
31             List<string> ret = new List<string>();
32             string com = "SELECT * FROM [card] where [club] = '" + club + "'";
33             DataTable dt = oledbhelper.GetTable(com);
34             foreach (DataRow dr in dt.Rows)
35             {
36                 ret.Add(dr.ItemArray[1].ToString());
37             }
38             return ret;
39         }
40         public static List<Card> getByNation(string nation)
41         {
42             List<Card> ret = new List<Card>();
43             string com = "SELECT * FROM [card] where [country] = '" + nation +
44                             "'";
45             DataTable dt = oledbhelper.GetTable(com);
46             foreach (DataRow dr in dt.Rows)
47             {
48                 Card c = new Card(Convert.ToInt32(dr.ItemArray[0].ToString()),
49                                     dr.ItemArray[1].ToString(), dr.ItemArray[2].ToString(),
50                                     dr.ItemArray[3].ToString(), dr.ItemArray[4].ToString(),
51                                     Convert.ToInt32(dr.ItemArray[5].ToString()), dr.ItemArray
52                                     [6].ToString(), dr.ItemArray[7].ToString());
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44
45         ret.Add(c);
46     }
47     return ret;
48 }
49 public static Card getByRating(int ratinglow, int ratinghigh)
50 {
51     string com = "SELECT * FROM [card] where [rating] >= " + ratinglow + "
52         " and [rating] <= " + ratinghigh;
53     DataTable dt = oledbhelper.GetTable(com);
54     Random rnd = new Random();
55     int num = rnd.Next(0, dt.Rows.Count);
56     DataRow dr = dt.Rows[num];
57     int itemNum = dr.ItemArray.Length;
58     Card c = new Card(Convert.ToInt32(dr.ItemArray[0].ToString()),
59         dr.ItemArray[1].ToString(), dr.ItemArray[2].ToString(),
60         dr.ItemArray[3].ToString(), dr.ItemArray[4].ToString(),
61         Convert.ToInt32(dr.ItemArray[5].ToString()), dr.ItemArray
62         [6].ToString(), dr.ItemArray[7].ToString());
63     return c;
64 }
65 public static Card getByCardId(int id)
66 {
67     string com = "SELECT * FROM [card] where [cardID] = " + id;
68     DataTable dt = oledbhelper.GetTable(com);
69     DataRow dr = dt.Rows[0];
70     int itemNum = dr.ItemArray.Length;
71     Card c = new Card(Convert.ToInt32(dr.ItemArray[0].ToString()),
72         dr.ItemArray[1].ToString(), dr.ItemArray[2].ToString(),
73         dr.ItemArray[3].ToString(), dr.ItemArray[4].ToString(),
74         Convert.ToInt32(dr.ItemArray[5].ToString()), dr.ItemArray
75         [6].ToString(), dr.ItemArray[7].ToString());
76     return c;
77 }
78 public static List<Card> getALLByCardId(string Id)
79 {
80     try
81     {
82         string com = "SELECT * FROM [card] where [cardID] IN " + Id;
83         DataTable dt = oledbhelper.GetTable(com);
84         List<Card> lc = new List<Card>();
85         for (int i = 0; i < dt.Rows.Count; i++)
86         {
87             DataRow dr = dt.Rows[i];
88             int itemNum = dr.ItemArray.Length;
89             lc.Add(new Card(Convert.ToInt32(dr.ItemArray[0].ToString()),
90                 dr.ItemArray[1].ToString(), dr.ItemArray[2].ToString(),
91                 dr.ItemArray[3].ToString(), dr.ItemArray[4].ToString(),
92                 Convert.ToInt32(dr.ItemArray[5].ToString()), dr.ItemArray
93                 [6].ToString(), dr.ItemArray[7].ToString()));
94         }
95     }
96     return lc;
97 }

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83         }
84         catch { return new List<Card>(); }
85     }
86     public static Dictionary<string, clubColour> getcolours()
87     {
88         var dic =new Dictionary<string, clubColour>();
89         string com = "SELECT * FROM [Clubs]";
90         DataTable dt = oledbhelper.GetTable(com);
91         foreach (DataRow dr in dt.Rows)
92         {
93             dic.Add(dr.ItemArray[1].ToString(),new clubColour(dr.ItemArray  ➤
94                 [2].ToString(), dr.ItemArray[3].ToString()));
95         }
96         return dic;
97     }
98     public static List<string[]> getClubsTotal()
99     {
100         var li = new List<string[]>();
101         string com = "SELECT * FROM [Clubs]";
102         DataTable dt = oledbhelper.GetTable(com);
103         foreach (DataRow dr in dt.Rows)
104         {
105             li.Add(new string[] {dr.ItemArray[1].ToString(),dr.ItemArray  ➤
106                 [4].ToString() });
107         }
108         return li;
109     }
110 }
```