

```
1 using Galerı.Entities;
2 using Oracle.ManagedDataAccess.Client;
3 using System;
4 using System.Collections.Generic;
5 using System.Linq;
6 using System.Text;
7 using System.Threading.Tasks;
8
9
10 namespace Galerı.BusinessLogicLayer
11 {
12     public class BLL
13     {
14         DatabaseLogicLayer.DLL dll;
15         public BLL()
16         {
17             dll = new DatabaseLogicLayer.DLL();
18         }
19
20
21         public int SistemKontrol(string kullaniciadi,string sifre)
22         {
23             if(!string.IsNullOrEmpty(kullaniciadi) && !string.IsNullOrEmpty(sifre))
24             {
25                 return dll.SistemKontrol(new Entities.Staff()
26                 {
27                     Username = kullaniciadi,
28                     Password = sifre
29                 });
30             }
31             else
32             {
33                 return -1;
34             }
35         }
36
37         public int SistemKontrolMusteri(string kullaniciadi, string sifre)
38         {
39             if (!string.IsNullOrEmpty(kullaniciadi) && !string.IsNullOrEmpty(sifre))
40             {
41                 return dll.SistemKontrolMusteri(new Entities.Client()
42                 {
43                     username = kullaniciadi,
44                     password = sifre
45                 });
46             }
47             else
48             {
49                 return -1;
50             }
51         }
52
53         public int aracKayitEkleSatılık(String brand, String model, String color, int year, String info, String examination, String type
```

```
54         , String kilometer, String fueltype, int engine,String status ,int BuyPrice)
55     {
56         if( !string.IsNullOrEmpty(model) && !(kilometer==null) )
57         {
58             return dll.aracKayitEkleSatılık(new Entities.Cars()
59             {
60                 // carsNo = Guid.NewGuid(),
61                 cBrand = brand,
62                 cModel = model,
63                 cColor = color,
64                 cYear = year,
65                 cInfo = info,
66                 cExamination = examination,
67                 cType = type,
68                 cKilometer = kilometer,
69                 cFueltype = fueltype,
70                 cEngine = engine,
71                 RBStatus = status
72             },
73             new Entities.BuyPrice()
74             {
75                 buyPrice = BuyPrice
76             }) ; ;
77         }
78     }
79
80     }
81     else
82     {
83         return -1; // eksik parametre hatası
84     }
85 }
86 public int aracKayitEkleKiralık(String brand, String model, String color, int year, String info, String examination, String type
87     , String kilometer, String fueltype, int engine, String status, int RentPrice)
88 {
89     if( !string.IsNullOrEmpty(model) && !(kilometer == null))
90     {
91         return dll.aracKayitEkleKiralık(new Entities.Cars()
92         {
93             // carsNo = Guid.NewGuid(),
94             cBrand = brand,
95             cModel = model,
96             cColor = color,
97             cYear = year,
98             cInfo = info,
99             cExamination = examination,
100             cType = type,
101             cKilometer = kilometer,
102             cFueltype = fueltype,
103             cEngine = engine,
104             RBStatus = status
105         },
106     },
```

```
107         new Entities.RentPrice()
108     {
109         rentPrice = RentPrice
110     }); ;
111
112
113     }
114     else
115     {
116         return -1; // eksik parametre hatası
117     }
118 }
119 public int aracKayitDuzenle(int carsNo,String brand, String model, ↗
120     String color, int year, String info, String examination, String type
121     , String kilometer, String fueltype, int engine, String ↗
122     status,int price)
123 {
124     if (!string.IsNullOrEmpty(model) && !(kilometer == null))
125     {
126         return dll.aracKayitDuzenle(new Entities.Cars()
127         {
128             //carsNo = Guid.NewGuid(),
129             carsNo = carsNo,
130             cBrand = brand,
131             cModel = model,
132             cColor = color,
133             cYear = year,
134             cInfo = info,
135             cExamination = examination,
136             cType = type,
137             cKilometer = kilometer,
138             cFueltype = fueltype,
139             cEngine = engine,
140             RBStatus = status,
141             carPrice = price
142         }); ;
143
144     }
145     else
146     {
147         return -1; // eksik parametre hatası
148     }
149 }
150
151 /* public List<Cars> aracKayitListele ()
152 {
153     List<Cars> AracListesi = new List<Cars>();
154     try
155     {
156         OracleDataReader reader = dll.aracKayitListele();
157
158         while(reader.Read())
159         {
160             AracListesi.Add( new Cars()
```

```

161         {
162             carsNo= reader.IsDBNull(0)? 0: reader.GetInt32(0),
163             cBrand = reader.IsDBNull(1) ? string.Empty : ➤
164             reader.GetString(1),
165             cModel = reader.IsDBNull(2) ? string.Empty : ➤
166             reader.GetString(2),
167             cColor = reader.IsDBNull(3) ? string.Empty : ➤
168             reader.GetString(3),
169             cYear = reader.IsDBNull(4) ? 0: reader.GetInt32(4),
170             cInfo = reader.IsDBNull(5) ? string.Empty : ➤
171             reader.GetString(5),
172             cExamination = reader.IsDBNull(6) ? string.Empty : ➤
173             reader.GetString(6),
174             cType = reader.IsDBNull(7) ? string.Empty : ➤
175             reader.GetString(7),
176             cKilometer = reader.IsDBNull(8) ? string.Empty : ➤
177             reader.GetString(8),
178             cFueltype = reader.IsDBNull(9) ? string.Empty : ➤
179             reader.GetString(9),
180             cEngine = reader.IsDBNull(10) ? 0: reader.GetInt32
181             (10),
182             RBStatus = reader.IsDBNull(11) ? string.Empty : ➤
183             reader.GetString(11),
184             });
185         }
186         reader.Close();
187     }
188     catch(Exception ex)
189     {
190     }
191     finally
192     {
193         dll.baglantiAyarla();
194     }
195     return AracListesi;
196 }*/
197 public List<Cars> aracKayitListeleUNION()
198 {
199     List<Cars> AracListesi = new List<Cars>();
200     try
201     {
202         OracleDataReader reader = dll.aracKayitListeleUNION();
203         while (reader.Read())
204         {
205             AracListesi.Add(new Cars()
206             {
207                 carsNo = reader.IsDBNull(0) ? 0 : reader.GetInt32(0),
208                 cBrand = reader.IsDBNull(1) ? string.Empty : ➤
209                 reader.GetString(1),
210                 cModel = reader.IsDBNull(2) ? string.Empty : ➤
211                 reader.GetString(2),
212                 cColor = reader.IsDBNull(3) ? string.Empty : ➤
213                 reader.GetString(3),
214                 cYear = reader.IsDBNull(4) ? 0 : reader.GetInt32(4),

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204         cInfo = reader.IsDBNull(5) ? string.Empty : 7
reader.GetString(5),
205         cExamination = reader.IsDBNull(6) ? string.Empty : 7
reader.GetString(6),
206         cType = reader.IsDBNull(7) ? string.Empty : 7
reader.GetString(7),
207         cKilometer = reader.IsDBNull(8) ? string.Empty : 7
reader.GetString(8),
208         cFueltype = reader.IsDBNull(9) ? string.Empty : 7
reader.GetString(9),
209         cEngine = reader.IsDBNull(10) ? 0 : reader.GetInt32 7
(10),
210         RBStatus = reader.IsDBNull(11) ? string.Empty : 7
reader.GetString(11),
211         carPrice = reader.IsDBNull(12) ? 0 : reader.GetInt32 7
(12),
212     });
213 }
214 reader.Close();
215 }
216 catch (Exception ex)
217 {
218 }
219 }
220 finally
221 {
222     dll.baglantiAyarla();
223 }
224 return AracListesi;
225 }
226 /*public List<Cars> aracKayitListeleSatılık()
227 {
228     List<Cars> AracListesi = new List<Cars>();
229     try
230     {
231         OracleDataReader reader = dll.aracKayitListeleSatılık();
232
233         while (reader.Read())
234         {
235             AracListesi.Add(new Cars()
236             {
237                 carsNo = reader.IsDBNull(0) ? 0 : reader.GetInt32(0),
238                 cBrand = reader.IsDBNull(1) ? string.Empty : 7
reader.GetString(1),
239                 cModel = reader.IsDBNull(2) ? string.Empty : 7
reader.GetString(2),
240                 cColor = reader.IsDBNull(3) ? string.Empty : 7
reader.GetString(3),
241                 cYear = reader.IsDBNull(4) ? 0 : reader.GetInt32(4),
242                 cInfo = reader.IsDBNull(5) ? string.Empty : 7
reader.GetString(5),
243                 cExamination = reader.IsDBNull(6) ? string.Empty : 7
reader.GetString(6),
244                 cType = reader.IsDBNull(7) ? string.Empty : 7
reader.GetString(7),
245                 cKilometer = reader.IsDBNull(8) ? string.Empty : 7

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```

246         reader.GetString(8),
           cFueltype = reader.IsDBNull(9) ? string.Empty :
247         reader.GetString(9),
           cEngine = reader.IsDBNull(10) ? 0 : reader.GetInt32
248         (10),
           RBStatus = reader.IsDBNull(11) ? string.Empty :
249         reader.GetString(11),
           carPrice = reader.IsDBNull(12) ? 0 : reader.GetInt32
250         (12),
           });
251     }
252     reader.Close();
253 }
254 catch (Exception ex)
255 {
256
257 }
258 finally
259 {
260     dll.baglantiAyarla();
261 }
262 return AracListesi;
263 }*/
264
265 public List<Cars> aracKayitListeleDurum(String durum)
266 {
267     int clientID;
268     List<Cars> AracListesi = new List<Cars>();
269     try
270     {
271         OracleDataReader reader = dll.aracKayitListeleDurum(durum);
272
273         while (reader.Read())
274         {
275             AracListesi.Add(new Cars()
276             {
277                 carsNo = reader.IsDBNull(0) ? 0 : reader.GetInt32(0),
278                 cBrand = reader.IsDBNull(1) ? string.Empty :
279                 reader.GetString(1),
280                 cModel = reader.IsDBNull(2) ? string.Empty :
281                 reader.GetString(2),
282                 cColor = reader.IsDBNull(3) ? string.Empty :
283                 reader.GetString(3),
284                 cYear = reader.IsDBNull(4) ? 0 : reader.GetInt32(4),
285                 cInfo = reader.IsDBNull(5) ? string.Empty :
286                 reader.GetString(5),
287                 cExamination = reader.IsDBNull(6) ? string.Empty :
288                 reader.GetString(6),
289                 cType = reader.IsDBNull(7) ? string.Empty :
290                 reader.GetString(7),
291                 cKilometer = reader.IsDBNull(8) ? string.Empty :
292                 reader.GetString(8),
293                 cFueltype = reader.IsDBNull(9) ? string.Empty :
294                 reader.GetString(9),
295                 cEngine = reader.IsDBNull(10) ? 0 : reader.GetInt32
296                 (10),

```

```
288         RBStatus = reader.IsDBNull(11) ? string.Empty :  
        reader.GetString(11),  
289         carPrice = reader.IsDBNull(12) ? 0 : reader.GetInt32  
        (12),  
290  
291         }) ;  
292  
293  
294     }  
295     reader.Close();  
296 }  
297 catch (Exception ex)  
298 {  
299  
300 }  
301 finally  
302 {  
303     dll.baglantiAyarla();  
304 }  
305 return AracListesi;  
306 }  
307 public List<Rental_List> aracKiralananListe(int durum)  
308 {  
309     List<Rental_List> AracListesi = new List<Rental_List>();  
310     try  
311     {  
312         OracleDataReader reader = dll.aracKiralananListe(durum);  
313  
314         while (reader.Read())  
315         {  
316             AracListesi.Add(new Entities.Rental_List()  
317             {  
318                 rentalNo = reader.IsDBNull(0) ? 0 : reader.GetInt16  
                 (0),  
319                 carsNo = reader.IsDBNull(1) ? 0 : reader.GetInt16(1),  
320                 cModel = reader.IsDBNull(2) ? string.Empty :  
                 reader.GetString(2),  
321                 cBrand = reader.IsDBNull(3) ? string.Empty :  
                 reader.GetString(3),  
322                 clientID = reader.IsDBNull(4) ? 0 : reader.GetInt16  
                 (4),  
323  
324                 });  
325  
326         }  
327         reader.Close();  
328     }  
329     catch (Exception ex)  
330     {  
331  
332     }  
333     finally  
334     {  
335         dll.baglantiAyarla();  
336     }  
337 }
```

```
338         return AracListesi;
339     }
340
341     public int aracKayitSil(int carsNo)
342     {
343
344         return dll.aracKayitSil(carsNo);
345     }
346
347     public String[] returning_info(String u,String p)
348     {
349         return dll.returning_info(u,p);
350     }
351     public String[] returning_client_info(String u, String p)
352     {
353         return dll.returning_client_info(u, p);
354     }
355     public int yoneticıEkle(String name, String lastname ,String username,String password)
356     {
357         if (!string.IsNullOrEmpty(username) && !string.IsNullOrEmpty(password))
358         {
359             return dll.yoneticıEkle(new Entities.Staff()
360             {
361
362                 fName = name,
363                 lName = lastname,
364                 Username = username,
365                 Password = password
366
367             });
368         }
369         else
370         {
371             return -1; // eksik parametre hatası
372         }
373     }
374
375
376
377     public List<Staff> yoneticıKayıtListele()
378     {
379         List<Staff> YoneticıListesi = new List<Staff>();
380         try
381         {
382             OracleDataReader reader = dll.yoneticıKayıtListele();
383
384             while (reader.Read())
385             {
386                 YoneticıListesi.Add(new Staff()
387                 {
388                     staffID = reader.IsDBNull(0) ? 0 : reader.GetInt32(0),
389                     fName = reader.IsDBNull(1) ? string.Empty :
390                         reader.GetString(1),
391                     lName= reader.IsDBNull(2) ? string.Empty :
```



```
391         reader.GetString(2),
            Username = reader.IsDBNull(3) ? string.Empty :
            reader.GetString(3),
392         Password = reader.IsDBNull(4) ? string.Empty :
            reader.GetString(4),
393
394         });
395     }
396     reader.Close();
397 }
398 catch (Exception ex)
399 {
400
401 }
402 finally
403 {
404     dll.baglantiAyarla();
405 }
406 return YoneticilerListesi;
407 }
408 public int yoneticiciKayitSil(int StaffID)
409 {
410     return dll.yoneticiciKayitSil(StaffID);
411 }
412 public int cars_purchase_add(int clientID,int carsNo)
413 {
414     if (!(clientID==null) && !(carsNo == null))
415     {
416         return dll.car_purchase_add(new Entities.Client()
417         {
418             clientID = clientID,
419
420
421             },
422             new Entities.Cars()
423             {
424                 carsNo = carsNo
425             }) ;
426     }
427
428 }
429 else
430 {
431     return -1; // eksik parametre hatası
432 }
433 }
434
435 public int cars_rental_add(int carsNo, int clientID,int purchaseDay)
436 {
437     if (!(clientID == null) && !(carsNo == null))
438     {
439         return dll.car_rental_add(new Entities.Client()
440         {
441             clientID = clientID,
```

```
444
445         },
446         new Entities.Cars()
447         {
448             carsNo = carsNo
449         },
450         new Entities.RentPrice()
451         {
452             purchaseDay = purchaseDay
453         }
454     });
455
456     }
457     else
458     {
459         return -1; // eksik parametre hatası
460     }
461 }
462
463 public int musterikayit(String name, String lastname, String cTel, String cCity, int age, int money, String username, String password)
464 {
465     if (!string.IsNullOrEmpty(cTel))
466     {
467         return dll.musterikayit(new Entities.Client()
468         {
469             fName = name,
470             lName = lastname,
471             cTel = cTel,
472             cCity = cCity,
473             age = age,
474             cMoney = money,
475             username = username,
476             password = password
477         }
478         );
479     }
480
481     }
482     else
483     {
484         return -1; // eksik parametre hatası
485     }
486 }
487 public List<Cars> aramaDurum (String durum)
488 {
489     List<Cars> AramaListesi = new List<Cars>();
490     try
491     {
492         OracleDataReader reader = dll.aramaDurum(durum);
493
494         while (reader.Read())
495         {
496             AramaListesi.Add(new Cars()
497             {
498                 carsNo = reader.IsDBNull(0) ? 0 : reader.GetInt32(0),
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499         cBrand = reader.IsDBNull(1) ? string.Empty :
reader.GetString(1),
500         cModel = reader.IsDBNull(2) ? string.Empty :
reader.GetString(2),
501         cColor = reader.IsDBNull(3) ? string.Empty :
reader.GetString(3),
502         cYear = reader.IsDBNull(4) ? 0 : reader.GetInt32(4),
503         cInfo = reader.IsDBNull(5) ? string.Empty :
reader.GetString(5),
504         cExamination = reader.IsDBNull(6) ? string.Empty :
reader.GetString(6),
505         cType = reader.IsDBNull(7) ? string.Empty :
reader.GetString(7),
506         cKilometer = reader.IsDBNull(8) ? string.Empty :
reader.GetString(8),
507         cFueltype = reader.IsDBNull(9) ? string.Empty :
reader.GetString(9),
508         cEngine = reader.IsDBNull(10) ? 0 : reader.GetInt32
(10),
509         RBStatus = reader.IsDBNull(11) ? string.Empty :
reader.GetString(11),
510         carPrice = reader.IsDBNull(12) ? 0 : reader.GetInt32
(12),
511     });
512
513     }
514     reader.Close();
515 }
516 catch (Exception ex)
517 {
518
519 }
520 finally
521 {
522     dll.baglantiAyarla();
523 }
524 return AramaListesi;
525 }
526 public List<Cars> aramaDurumClientKiralık(String search)
527 {
528     List<Cars> AramaListesi = new List<Cars>();
529     try
530     {
531         OracleDataReader reader = dll.aramaDurumClientKiralık(search);
532
533         while (reader.Read())
534         {
535             AramaListesi.Add(new Cars()
536             {
537                 carsNo = reader.IsDBNull(0) ? 0 : reader.GetInt32(0),
538                 cBrand = reader.IsDBNull(1) ? string.Empty :
reader.GetString(1),
539                 cModel = reader.IsDBNull(2) ? string.Empty :
reader.GetString(2),
540                 cColor = reader.IsDBNull(3) ? string.Empty :
reader.GetString(3),

```

```
541         cYear = reader.IsDBNull(4) ? 0 : reader.GetInt32(4),
542         cInfo = reader.IsDBNull(5) ? string.Empty :
543         reader.GetString(5),
544         cExamination = reader.IsDBNull(6) ? string.Empty :
545         reader.GetString(6),
546         cType = reader.IsDBNull(7) ? string.Empty :
547         reader.GetString(7),
548         cKilometer = reader.IsDBNull(8) ? string.Empty :
549         reader.GetString(8),
550         cFueltype = reader.IsDBNull(9) ? string.Empty :
551         reader.GetString(9),
552         cEngine = reader.IsDBNull(10) ? 0 : reader.GetInt32
553         (10),
554         RBStatus = reader.IsDBNull(11) ? string.Empty :
555         reader.GetString(11),
556         carPrice = reader.IsDBNull(12) ? 0 : reader.GetInt32
557         (12),
558     });
559 }
560 reader.Close();
561 }
562 catch (Exception ex)
563 {
564 }
565 finally
566 {
567     dll.baglantiAyarla();
568 }
569 return AramaListesi;
570 }
571 public List<Cars> aramaDurumClientSatılık(String search)
572 {
573     List<Cars> AramaListesi = new List<Cars>();
574     try
575     {
576         OracleDataReader reader = dll.aramaDurumClientSatılık(search);
577         while (reader.Read())
578         {
579             AramaListesi.Add(new Cars()
580             {
581                 carsNo = reader.IsDBNull(0) ? 0 : reader.GetInt32(0),
582                 cBrand = reader.IsDBNull(1) ? string.Empty :
583                 reader.GetString(1),
584                 cModel = reader.IsDBNull(2) ? string.Empty :
585                 reader.GetString(2),
586                 cColor = reader.IsDBNull(3) ? string.Empty :
587                 reader.GetString(3),
588                 cYear = reader.IsDBNull(4) ? 0 : reader.GetInt32(4),
589                 cInfo = reader.IsDBNull(5) ? string.Empty :
590                 reader.GetString(5),
591                 cExamination = reader.IsDBNull(6) ? string.Empty :
592                 reader.GetString(6),
593                 cType = reader.IsDBNull(7) ? string.Empty :
```

```
584         reader.GetString(7),
           cKilometer = reader.IsDBNull(8) ? string.Empty :
           reader.GetString(8),
585         cFueltype = reader.IsDBNull(9) ? string.Empty :
           reader.GetString(9),
586         cEngine = reader.IsDBNull(10) ? 0 : reader.GetInt32
           (10),
587         RBStatus = reader.IsDBNull(11) ? string.Empty :
           reader.GetString(11),
588         carPrice = reader.IsDBNull(12) ? 0 : reader.GetInt32
           (12),
589     });
590
591     }
592     reader.Close();
593 }
594 catch (Exception ex)
595 {
596
597 }
598 finally
599 {
600     dll.baglantiAyarla();
601 }
602 return AramaListesi;
603 }
604 public int arac_teslim_et(int carsNo)
605 {
606     if (!(carsNo==0) )
607     {
608         return dll.arac_teslim_et(new Entities.Cars()
609             {
610
611                 carsNo = carsNo,
612
613             }); ;
614
615     }
616     else
617     {
618         return -1; // eksik parametre hatası
619     }
620 }
621
622 }
623 }
624
```