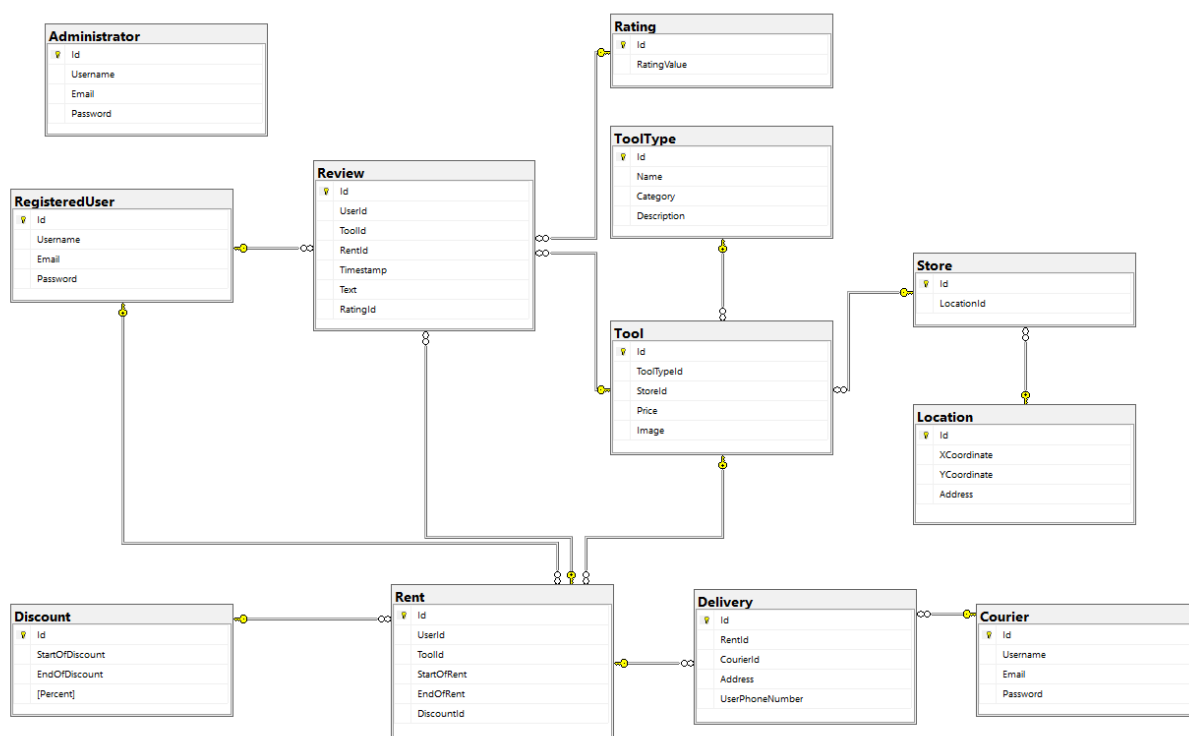


Dokumentacija refactoringa rješenja - Burgija

Tim:

1. Emir Bronja (18253)
2. Zlatan Jakić (18855)
3. Edis Jašarević (19247)
4. Ahmed Ljubunčić (19023)
5. Mersid Pilipović (19070)

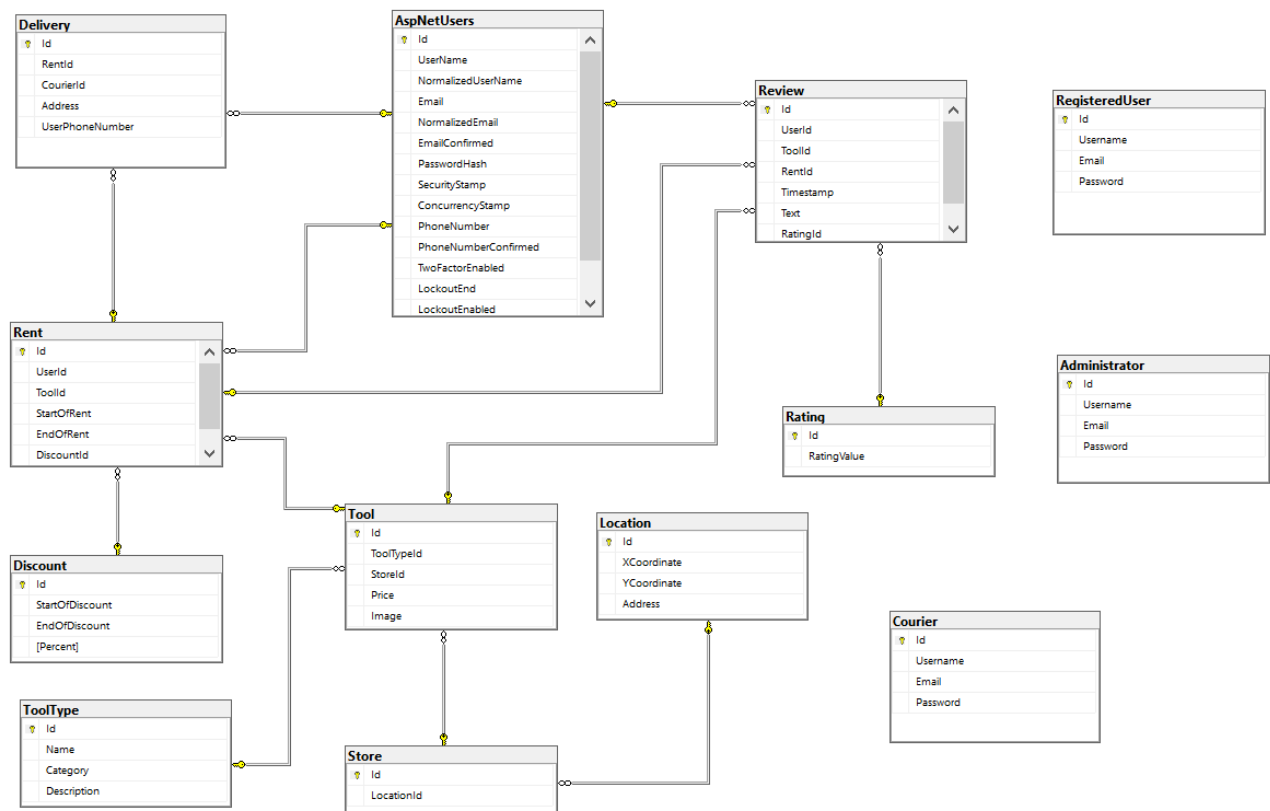
Prvobitni izgled ER-Dijagrama:



Objektno Orijentisana Analiza i Dizajn

Modifikacija foreign key-eva gdje god je figurisao dostavljač, admin i registered user, tako da je sad foreign key na ASPNetUsers tabeli. Razdvojili smo veze tih tabela RegisteredUser, Admin i Courier tako da one nisu povezane ni sa jednom drugom. Također, promijenili smo tip Primary Key-a u ASPNetUsers tabelli u int, da bi se mogle povezati sa drugim tabelama jer i one imaju ključeve tipa int.

Novi izgled ER-Dijagrama:



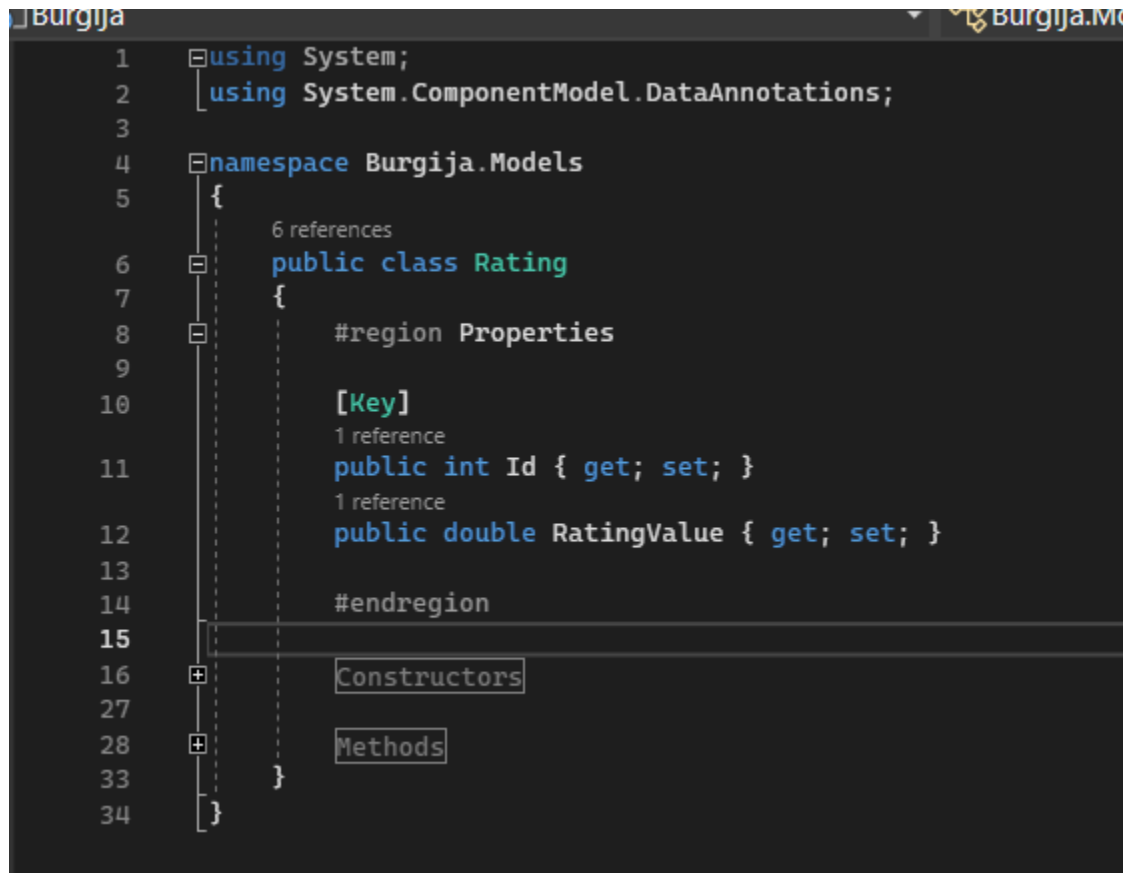
```
5
6 namespace Burgija.Models
7 {
8     29 references
9     public class Rent : IComparable<Rent>
10    {
11        #region Properties
12
13        [Key]
14        8 references
15        public int Id { get; set; }
16        9 references
17        public IdentityUser<int> User { get; set; }
18
19        [ForeignKey("AspNetUsers")]
20        6 references
21        public int UserId { get; set; }
22        12 references
23        public Tool Tool { get; set; }
24
25        [ForeignKey("Tool")]
26        9 references
27        public int ToolId { get; set; }
28        23 references
29        public DateTime StartOfRent { get; set; }
30        20 references
31        public DateTime EndOfRent { get; set; }
32        9 references
33        public Discount Discount { get; set; }
34
35        [ForeignKey("Discount")]
36        6 references
37        public int? DiscountId { get; set; }
38        5 references
39        public double RentPrice { get; set; }
40
41        #endregion
42    }
43 }
```

Objektno Orijentisana Analiza i Dizajn

```
6
7 namespace Burgija.Models
8 {
9     18 references
10     public class Delivery : IComparable<Delivery>
11     {
12         #region Properties
13         [Key]
14         10 references
15         public int Id { get; set; }
16         7 references
17         public Rent Rent { get; set; }
18         [ForeignKey("Rent")]
19         0 references
20         public int RentId { get; set; }
21         5 references
22         public IdentityUser<int> Courier { get; set; }
23         [ForeignKey("AspNetUsers")]
24         3 references
25         public int? CourierId { get; set; }
26         [Required]
27         9 references
28         public string Address { get; set; }
29         9 references
30         public string UserPhoneNumber { get; set; }
31         #endregion
32         Constructors
33     }
34 }
```

```
5
6 namespace Burgija.Models
7 {
8     4 references
9     public class Review
10    {
11        #region Properties
12
13        [Key]
14        1 reference
15        public int Id { get; set; }
16        1 reference
17        public IdentityUser<int> User { get; set; }
18
19        [ForeignKey("AspNetUsers")]
20        1 reference
21        public int UserId { get; set; }
22        1 reference
23        public Tool Tool { get; set; }
24
25        [ForeignKey("Tool")]
26        1 reference
27        public int ToolId { get; set; }
28        1 reference
29        public Rent Rent { get; set; }
30
31        [ForeignKey("Rent")]
32        0 references
33        public int RentId { get; set; }
34        1 reference
35        public long Timestamp { get; set; }
36        2 references
37        public string Text { get; set; }
38        1 reference
39        public Rating Rating { get; set; }
40
41        [ForeignKey("Rating")]
42        1 reference
43        public int RatingId { get; set; }
44
45        #endregion
46    }
47 }
```

Prvobitno smo imali atribut rating u klasi Review, međutim na preporuku asistenta smo uvidjeli da je bolje da imamo zasebnu klasu Rating.



```
1  using System;
2  using System.ComponentModel.DataAnnotations;
3
4  namespace Burgija.Models
5  {
6      6 references
7      public class Rating
8      {
9          #region Properties
10         [Key]
11         1 reference
12         public int Id { get; set; }
13         1 reference
14         public double RatingValue { get; set; }
15         #endregion
16         Constructors
27
28         Methods
33     }
34 }
```