

Vores schema er vist herunder:

User:

```
> {
  "_id": ObjectId("5de8eb7630600d50a061f665")
  "Name": "Name_0"
  "Age": 10
  "Gender": "M"
  "FollowId": Array
    0: "5de8eb7630600d50a061f66b"
    1: "5de8eb7630600d50a061f66c"
    2: "5de8eb7630600d50a061f66d"
    3: "5de8eb7630600d50a061f66e"
    4: "5de8eb7630600d50a061f671"
    5: "5de8eb7630600d50a061f673"
    6: "5de8eb7630600d50a061f674"
    7: "5de8eb7630600d50a061f676"
    8: "5de8eb7630600d50a061f677"
    9: "5de8eb7630600d50a061f678"
  "BlockId": Array
    0: "5de8eb7630600d50a061f666"
    1: "5de8eb7630600d50a061f667"
    2: "5de8eb7630600d50a061f668"
    3: "5de8eb7630600d50a061f669"
    4: "5de8eb7630600d50a061f66a"
    5: "5de8eb7630600d50a061f66f"
    6: "5de8eb7630600d50a061f670"
    7: "5de8eb7630600d50a061f672"
    8: "5de8eb7630600d50a061f675"
  "CircleId": Array
    0: "5de8eb7730600d50a061f679"
    1: "5de8eb7730600d50a061f67a"
    2: "5de8eb7730600d50a061f67b"
  "CircleName": Array
  "UserPostsId": Array
    0: "5de8eb7730600d50a061f6b5"
    1: "5de8eb7730600d50a061f6b6"
}
```

```
public class User
{
    2 references
    public User(string name, int age, string gender) {...}

    [BsonId]
    [BsonRepresentation(BsonType.ObjectId)]
    45 references
    public string Id { get; set; }

    [BsonElement("Name")]
    15 references
    public string Name { get; set; }

    [BsonElement("Age")]
    1 reference
    public int Age { get; set; }

    [BsonElement("Gender")]
    1 reference
    public string Gender { get; set; }

    [BsonElement("FollowId")]
    6 references
    public List<string> FollowId { get; set; }

    [BsonElement("BlockId")]
    9 references
    public List<string> BlockId { get; set; }

    //Bruger vi ID til noget?
    [BsonElement("CircleId")]
    9 references
    public List<string> CircleId { get; set; }

    [BsonElement("CircleName")]
    2 references
    public List<string> CircleName { get; set; }

    [BsonElement("UserPostsId")]
    7 references
    public List<string> UserPostsId { get; set; }
}
```

Posts:

`_id: ObjectId("5de8eb7730600d50a061f6b5")`
`_t: "TextPost"`
`AuthorName: "Name_0"`
`AuthorId: "5de8eb7630600d50a061f665"`
`DateTime: 2019-12-05T11:35:19.371+00:00`
`IsPublic: true`
✓ `BlockedAllowedUserId: Array`
 `0: "5de8eb7630600d50a061f666"`
 `1: "5de8eb7630600d50a061f667"`
 `2: "5de8eb7630600d50a061f668"`
 `3: "5de8eb7630600d50a061f669"`
 `4: "5de8eb7630600d50a061f66a"`
 `5: "5de8eb7630600d50a061f66f"`
 `6: "5de8eb7630600d50a061f670"`
 `7: "5de8eb7630600d50a061f672"`
 `8: "5de8eb7630600d50a061f675"`
`Text: "My name is Name_0 and my ID is 5de8eb7630600d50a061f665. This is a pub..."`

```
public abstract class Post
namespace DAB_Assignment_3.Models
{
    //References
    public Post()
    {
        BlockedAllowedUserId = new List<string>();
        DateTime = DateTime.Now;
    }

    [BsonId]
    [BsonRepresentation(BsonType.ObjectId)]
    //18 references
    public string PostId { get; set; }

    [BsonElement("AuthorName")]
    //18 references
    public string AuthorName { get; set; }

    [BsonElement("AuthorId")]
    //26 references
    public string AuthorId { get; set; }

    [BsonElement("DateTime")]
    //4 references
    public DateTime DateTime { get; set; }

    [BsonElement("IsPublic")]
    //12 references
    public bool IsPublic { get; set; }

    //If IsPublic == true
    // -- > blockedList
    //If IsPublic == false
    // -- > AllowedList
    [BsonElement("BlockedAllowedUserId")]
    //12 references
    public List<string> BlockedAllowedUserId { get; set; }
}
```

Comments:

```
_id: ObjectId("5de8eb7730600d50a061f6b7")
PostId: "5de8eb7730600d50a061f6b5"
AuthorId: "5de8eb7630600d50a061f665"
AuthorName: "Name_0"
CommentString: "Hvor er du?"
DateTime: 2019-11-29T18:03:43.000+00:00
```

19 references

```
public class Comment
```

```
{
```

12 references

```
public Comment(string postid, string authorid, string authorname, string commentstring, DateTime DateTime)
```

```
{
```

```
    PostId = postid;
```

```
    AuthorId = authorid;
```

```
    AuthorName = authorname;
```

```
    CommentString = commentstring;
```

```
    this.DateTime = DateTime;
```

```
}
```

```
[BsonId]
```

```
[BsonRepresentation(BsonType.ObjectId)]
```

0 references

```
public string CommentId { get; set; }
```

```
[BsonElement("PostId")]
```

5 references

```
public string PostId { get; set; }
```

```
[BsonElement("AuthorId")]
```

1 reference

```
public string AuthorId { get; set; }
```

```
[BsonElement("AuthorName")]
```

1 reference

```
public string AuthorName { get; set; }
```

```
[BsonElement("CommentString")]
```

3 references

```
public string CommentString { get; set; }
```

```
[BsonElement("DateTime")]
```

3 references

```
public DateTime DateTime { get; set; }
```

```
}
```

Circles:

```
_id: ObjectId("5de8eb7730600d50a061f679")
NameOfCircle: "Name_0_C1"
✓ UserId: Array
  0: "5de8eb7630600d50a061f667"
  1: "5de8eb7630600d50a061f669"
  2: "5de8eb7630600d50a061f66a"
  3: "5de8eb7630600d50a061f66b"
  4: "5de8eb7630600d50a061f671"
  5: "5de8eb7630600d50a061f675"
OwnerId: "5de8eb7630600d50a061f665"
```

```
public class Circle
{
    public Circle(string name, string ownerId)
    {
        UserIds = new List<string>();
        Name = name;
        OwnerId = ownerId;
    }

    [BsonId]
    [BsonRepresentation(BsonType.ObjectId)]
    public string CircleId { get; set; }

    [BsonElement("NameOfCircle")]
    public string Name { get; set; }

    [BsonElement("UserId")]
    public List<string> UserIds { get; set; }

    [BsonElement("OwnerId")]
    1 reference
    public string OwnerId { get; set; }
}
```