



MERGA

E-Commerce

Konular

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Product'a Ait
Compenentlerin ve
Servisin Oluşturulması

02

Sayfalama
(Pagination)

03

Componentler Arası
İletişim Kurma

04

Yetki Erişimleri

–neler yaptım?

betu\SQLEXPRESS.E...- dbo.ProductFiles			
	Column Name	Data Type	Allow Nulls
ProductFileId		int	<input type="checkbox"/>
ProductImagePath		nvarchar(1000)	<input type="checkbox"/>
FileExtension		varchar(20)	<input checked="" type="checkbox"/>
FileName		varchar(255)	<input checked="" type="checkbox"/>
ProductId		int	<input type="checkbox"/>
CreateDate		datetime	<input checked="" type="checkbox"/>
EditDate		datetime	<input checked="" type="checkbox"/>
			<input type="checkbox"/>

	Column Name	Data Type	Allow Nulls
ProductId		int	<input type="checkbox"/>
ProductUrl		nvarchar(100)	<input type="checkbox"/>
ProductName		nvarchar(150)	<input type="checkbox"/>
ProductDescription		nvarchar(500)	<input type="checkbox"/>
ProductStock		int	<input type="checkbox"/>
ProductPrice		float	<input type="checkbox"/>
ProductCategoryId		int	<input type="checkbox"/>
ProductCampaignId		int	<input type="checkbox"/>
ProductStatus		int	<input type="checkbox"/>
CreateDate		datetime	<input type="checkbox"/>
EditDate		datetime	<input type="checkbox"/>

–Product sınıfının Front-End projesine eklenme süreci

- HttpParams, HttpHeaders
- Router, ActivatedRoute
 - Reactive Forms

–Sayfalama (Pagination)

- Frontend (ngx-pagination)
- Backend (skip().take())

```

<div class="container">
  <h3 class="text-center mt-5 mb-5">Angular Basic Pagination Example</h3>
  <table class="table">
    <thead>
      <tr>
        <th>ID</th>
        <th>Title</th>
      </tr>
    </thead>
    <tbody>
      <tr>
        *ngFor="
          let post of POSTS
          | paginate
          : {
              itemsPerPage: tableSize,
              currentPage: page,
              totalItems: count
            }
          let i = index
        "
      >
        <th scope="row">{{ post.id }}</th>
        <td>{{ post.title }}</td>
      </tr>
    </tbody>
  </table>
  <div class="d-flex justify-content-center">
    <pagination-controls
      previousLabel="Prev"
      nextLabel="Next"
      (pageChange)="onTableDataChange($event)"
    >
  </pagination-controls>
</div>
</div>

```

- Frontend (ngx-pagination)

Componentler Arası İletişim

- @Input, @Output
- RxJS
- Storage

Componentler Arası İletişim

@Input, @Output

@Input

parent-componentten
child-componente veri göndermek için kullanırız

@Output

child-componentten
parent-componente veri göndermek için kullanırız

Componentler Arası İletişim

RxJs

RxJS, olay ve veri kaynaklarını abone olunabilir (subscribable) nesnelere dönüştürüp, bunlar üzerinde operatörler yardımıyla dönüşümler gerçekleştirebildiğiniz, gözlemleyenler (observer) aracılığıyla sonucu tüketebildiğiniz JavaScript'le yazılmış bir reaktif programlama (reactive programming) kütüphanesidir.

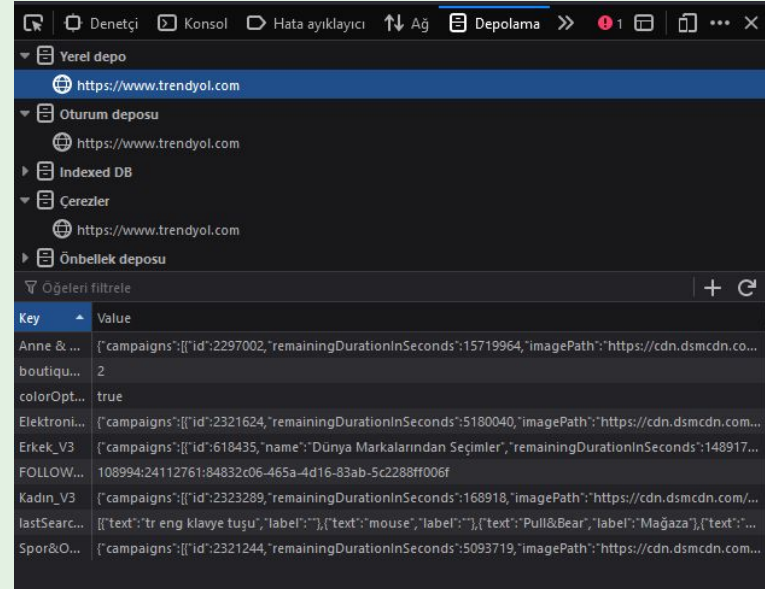
Componentler Arası İletişim



Storage

- Local Storage
- Session Storage
- Cookies

CRITERIA	COOKIES	LOCAL STORAGE	SESSION STORAGE
MAXIMUM DATA SIZE	4 KB	5 MB	5 MB
BLOCKABLE BY USERS	YES	YES	YES
AUTO-EXPIRY OPTION	YES	NO	YES
SUPPORTED DATA TYPES	STRING ONLY	STRING ONLY	STRING ONLY
BROWSER SUPPORT	VERY HIGH	VERY HIGH	VERY HIGH
ACCESSIBLE SERVER SIDE	YES	NO	NO
DATA TRANSFERRED ON EVERY HTTP REQUEST	YES	NO	NO
EDITABLE BY USERS	YES	YES	YES
SUPPORTED ON SSL	YES	N/A	N/A
CAN BE ACCESSED ON	SERVER & CLIENT SIDE	CLIENT SIDE ONLY	CLIENT SIDE ONLY
CLEARING/DELETING	PHP, JS, AUTOMATIC	JS ONLY	JS & AUTOMATIC
LIFETIME	AS SPECIFIED	TILL DELETED	TILL TAB IS CLOSED
SECURE DATA STORAGE	NO	NO	NO



Uygulama

Önizleme Ekranı
@Input, @Output, Two-Way Binding

–Auth sınıfının Front-End projesine eklenme süreci

- CanActivate
 - Guard

Yetki Erişimleri

- Admin
- User

```
enum Operations
{
    0 references
    None = 0,
    3 references
    Save = 1,
    2 references
    Update = 2,
    2 references
    Delete = 4,
    2 references
    Read = 8
};

0 references
class Program
{
    0 references
    static void Main(string[] args)
    {
        var user1 = new User(){
            Name = "Betül",
            Surname = "Bayram",
            Permission = Convert.ToInt16((int)Operations.Save | (int)Operations.Update | (int)Operations.Read)
        };

        KontrolEt(user1.Permission, Operations.Delete);
        KontrolEt(user1.Permission, Operations.Update);
        KontrolEt(user1.Permission, (Operations.Delete | Operations.Save));
        KontrolEt(user1.Permission, (Operations.Read | Operations.Save));
    }
    4 references
    static void KontrolEt(int permission, Operations controlValue)
    {
        if((permission & (int)controlValue) == (int)controlValue)
        {
            System.Console.WriteLine("Yetki Var.");
        }
        else
        {
            System.Console.WriteLine("Yetki Yok.");
        }
    }
}

1 reference
public class User
{
    1 reference
    public string Name {get; set;}
    1 reference
    public string Surname {get; set;}
    5 references
    public int Permission {get; set;} //Save, Update, Read
}
```