Implement distributed caching in an ASP.NET Core Step by step (With Redis)

Defined distributed cache

A distributed cache is a cache shared by multiple app servers, typically maintained as an external service to the app servers that access it. A distributed cache can improve the performance and scalability of an ASP.NET Core app

Example Source: https://github.com/abolfazlSadeqi/CurdRedisDistributedCaching

Steps:

- 1.Install Microsoft.Extensions.Caching.StackExchangeRedis nuget package.
- 2. configure the Redis service with AddStackExchangeRedisCache(in Program file or Startup)

Example:

Example:

```
"RedisConnection": " localhost:6379 "

4. Implement all of Methods IDistributedCache For projects(Set, Get, Remove,...)
```

```
Example:
public static readonly string PersonCacheKey = "Personall";
6.Use Cache in mvc(in Controller, Action)
Example:
a.Controller
private readonly IDistributedCache _DistributedCache;
public PersonController(IDistributedCache DistributedCache )
            _DistributedCache = DistributedCache;
        }
b.Add Items(Check Exists Cache Based on Key and use SetAsync)
if (!_DistributedCache.TryGetValue(ListCache.PersonCacheKey, out
IEnumerable<PersonDto>? PersonDtos))
            {
                var Persons = unitOfWork.Person.GetAll();
                var newperson = _mapper.Map<List<PersonDto>>(Persons);
                await _DistributedCache.SetAsync(ListCache.PersonCacheKey,
newperson);
                return View(newperson);
            }
```

return View(PersonDtos);