 Edit

Creating Person Entity

We define entities in **.Core** (domain) project (in server side). We can define a **Person** entity (mapped to **PbPersons** table in database) to represent a person in phone book as shown below (I created in a new folder/namespace named PhoneBook):

C# Copy

```csharp
using System.ComponentModel.DataAnnotations;
using System.ComponentModel.DataAnnotations.Schema;
using Abp.Domain.Entities.Auditing;

namespace Acme.PhoneBookDemo.PhoneBook
{
    [Table("PbPersons")]
    public class Person : FullAuditedEntity
    {
        public const int MaxNameLength = 32;
        public const int MaxSurnameLength = 32;
        public const int MaxEmailAddressLength = 255;

        [Required]
        [MaxLength(MaxNameLength)]
        public virtual string Name { get; set; }

        [Required]
        [MaxLength(MaxSurnameLength)]
        public virtual string Surname { get; set; }

        [MaxLength(MaxEmailAddressLength)]
        public virtual string EmailAddress { get; set; }
    }
}
```

Person's **primary key** type is **int** (as default). It inherits **FullAuditedEntity** that contains **creation**, **modification** and **deletion** audit properties. It's also **soft-delete**. When we delete a person, it's not deleted by database but marked as deleted (see entity and data filters documentations for more information). We created consts for **MaxLength** properties. This is a good practice since we will use same values later.

```
public class PhoneBookDemoDbContext : AbpZeroDbContext<Tenant, Role, User, PhoneBool
{
    public virtual DbSet<Person> Persons { get; set; }

    //...other code
}
```

Next

- Database Migrations for Person

Feedback