Lab: Best Practices and Architecture

This document defines the **exercise assignments** for the ["Databases Advanced – EF Core" course @ Software University](#).

Best Practices and Architecture

1. Pet Store

You are owner of a pet store. Of course you are good at making deals, caring for pets, finding new clients and so on but you don't have time to do that because you have to do the boring administrative work. You have to know what pets and products you have. That means all of your pets, foods, toys, etc. You need to know the pet's gender, breed, age… Generally all info about the store.

You don't know how much the profits from your business are. You have to know when a pet has been sold, at what price, who is the buyer and so on. You are looking for a solution and you instantly remember you know how to work with databases and decide to create one for your needs.

Your task is to create database which follows all good practices. Create three projects:

PetStore.Data

In this project you have to create your DbContext.

PetStore.Models

You have to implement all of you models.

PetStore.Services

Here you will hold your business logic.