# Lab 2 - Models and DbContext

## Objective

Create Product and Category models, configure DbContext to use SQLite.

## Category.cs

public class Category {  
 public int Id { get; set; }  
 public string Name { get; set; }  
 public List<Product> Products { get; set; } = new();  
}

## Product.cs

public class Product {  
 public int Id { get; set; }  
 public string Name { get; set; }  
 public decimal Price { get; set; }  
 public int CategoryId { get; set; }  
 public Category Category { get; set; }  
}

## AppDbContext.cs

public class AppDbContext : DbContext {  
 public DbSet<Product> Products => Set<Product>();  
 public DbSet<Category> Categories => Set<Category>();  
  
 protected override void OnConfiguring(DbContextOptionsBuilder optionsBuilder) {  
 optionsBuilder.UseSqlite("Data Source=retail.db");  
 }  
}

## Screenshots

