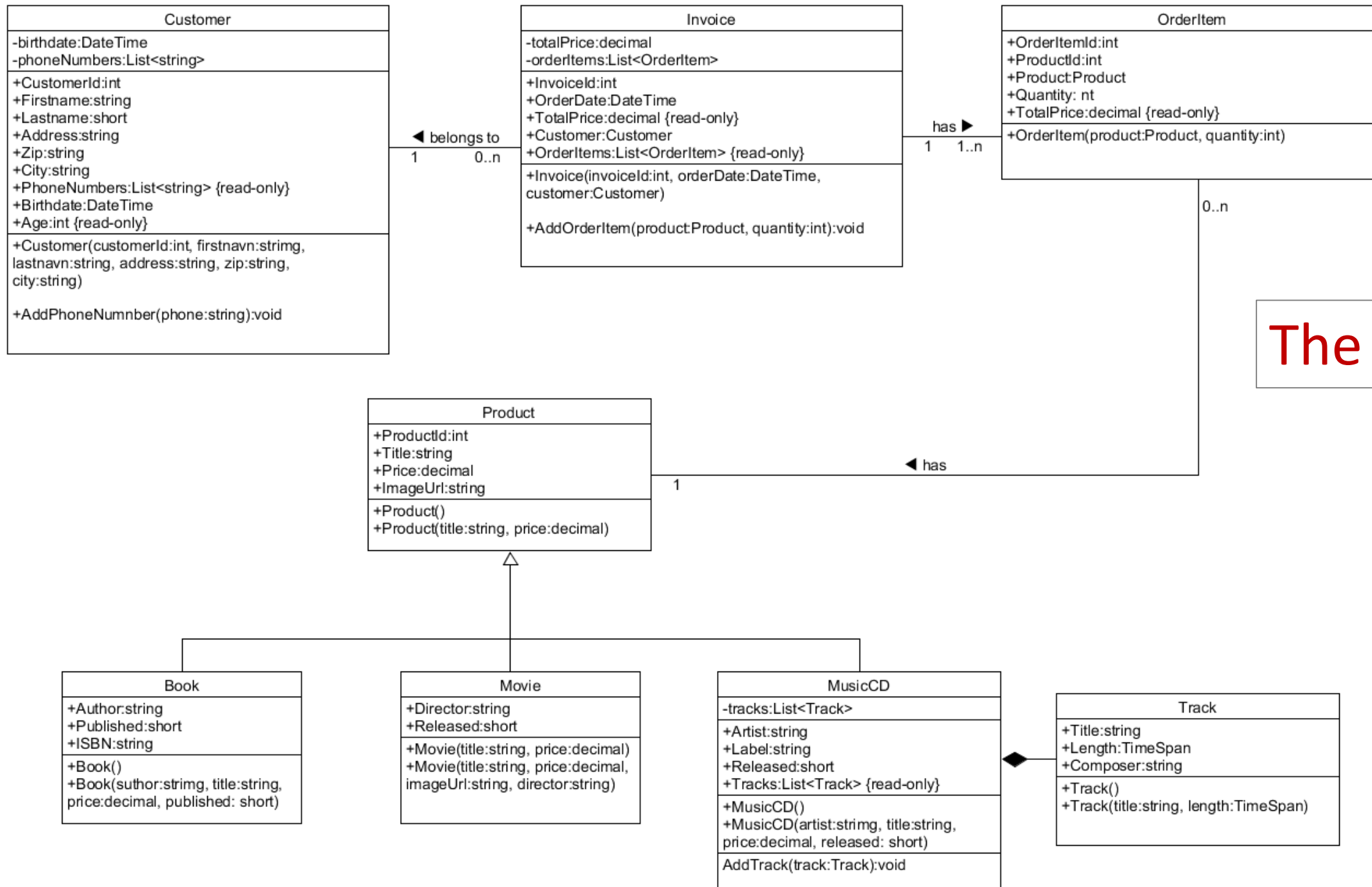


Mandatory Assignment 1

An introduction

MbmStore – an eShop website

- Mandatory Assignment 1
 - Build **the model** – the essential classes
- Mandatory Assignment 2
 - Build the **website** with a **shopping cart**
- Lesson 8-9
 - Use a **database as storage with CRUD functionality**



The model

Steps to Go Through

1. Create the classes
2. Instantiate the classes with example data
3. Send data from the Controller to the View
4. Display data inside the view

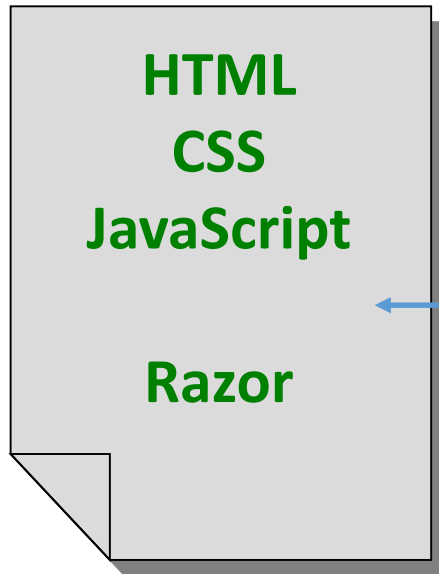
Where to place example data?

- In the controller?
- Somewhere else?

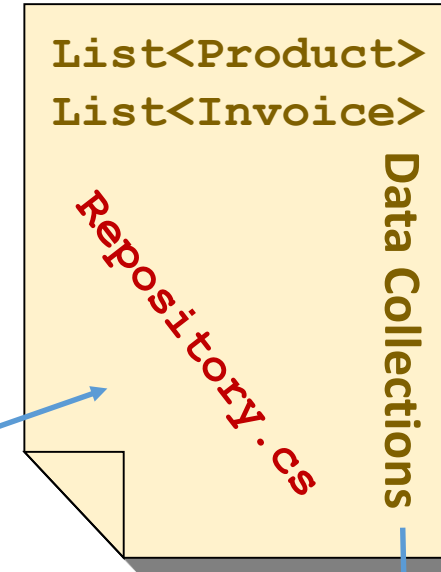
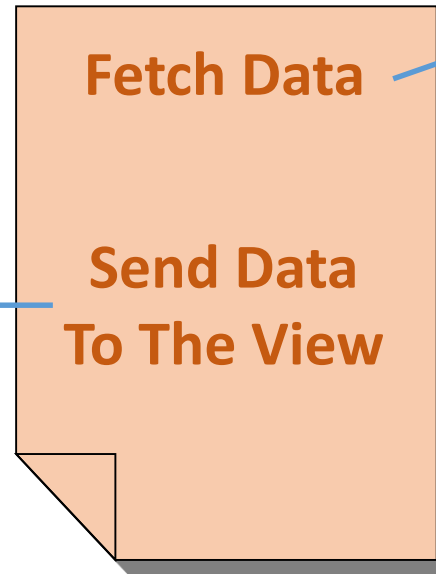
Application Architecture

Infrastructure

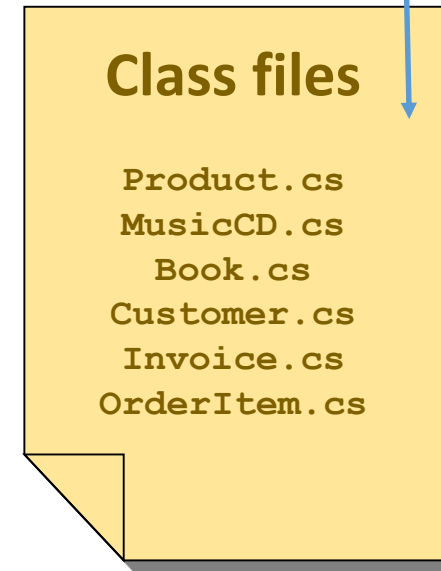
Views



Controllers



Models



MbmStore.Infrastructure.Repository invoices

```
public class Repository {  
    ...  
    // List of products and invoices  
    public List<Product> Products = new List<Product>();  
    public List<Invoice> Invoices= new List<Invoice>();  
  
    // constructor  
    public Repository() {  
        // create objects  
        ...  
    }  
}
```

Controller

```
public ActionResult Invoice() {  
    Repository repository = new Repository();  
    ViewBag.Invoices = repository.Invoices;  
  
    return View();  
}
```


The mandatory assignment

The screenshot shows a web application interface with a top navigation bar containing tabs: "Dagens", "WU-Backend 16a (1...", "WU-Backend 16b (1...", "Info to all WD-stude...", and "WU-". Below the tabs is a breadcrumb trail: "Navigations sti: WU-Backend 16b (1wu16bBACK) > Hand in - Mandatory assignments > Mandatory assignment 1".

On the left is a sidebar with icons and labels: "Rum", "Deltagere", "Documents", "Hand in - Mand..." (highlighted), and "Portfolio".

The main content area is titled "Hand in - Mandatory assignments". It includes a section "Beskrivelse:" with a dropdown menu showing "assignment_01_WU-BACK-wu-16b.pdf" and a link "Upload opgaveformulering". Below this, the "Fra:" date is "2016-09-08 14:02" and the "Til:" date is "2016-09-30 16:00".

At the bottom, there is a table with columns "Fornavn", "Efternavn", and "Titel". Below the table is a link "Gå et niveau op" with an upward arrow icon.

On the right side of the main content area, there is a sidebar with a checkbox "Vis egenskaber" (checked), a link "Mandatory assig...", a dropdown menu "Fælles sider (0)" showing "Ingen sider", and the following text: "Oprettet af : Jes Arbov (2016-09-08)", "Min adgang : Ændre rettighed", "Åbn : 2016-09-08 14:02", and "Luk : 2016-09-30 16:00".