

BIM451 – Web Server with MVC – Homework 1

Due: October 12, 2017

In this homework, you will design a homepage for yourself. You have to design two web pages, one of them is **Default.aspx** and the other is **MyPictures.aspx**.

Q1) Create a new web page **Default.aspx** and put your personal info into this file. Put a link somewhere you want for the other page which is named **MyPictures.aspx**.

Q2) The second problem is the design of the page **MyPictures.aspx**. This page will display your pictures when a user selects one. For this purpose, prepare at least 5 of your pictures whose dimensions are 640x480 and put them into a folder named as **images** in your project folder.

When MyPictures.aspx is displayed for the first time, it should look like Fig. 1.

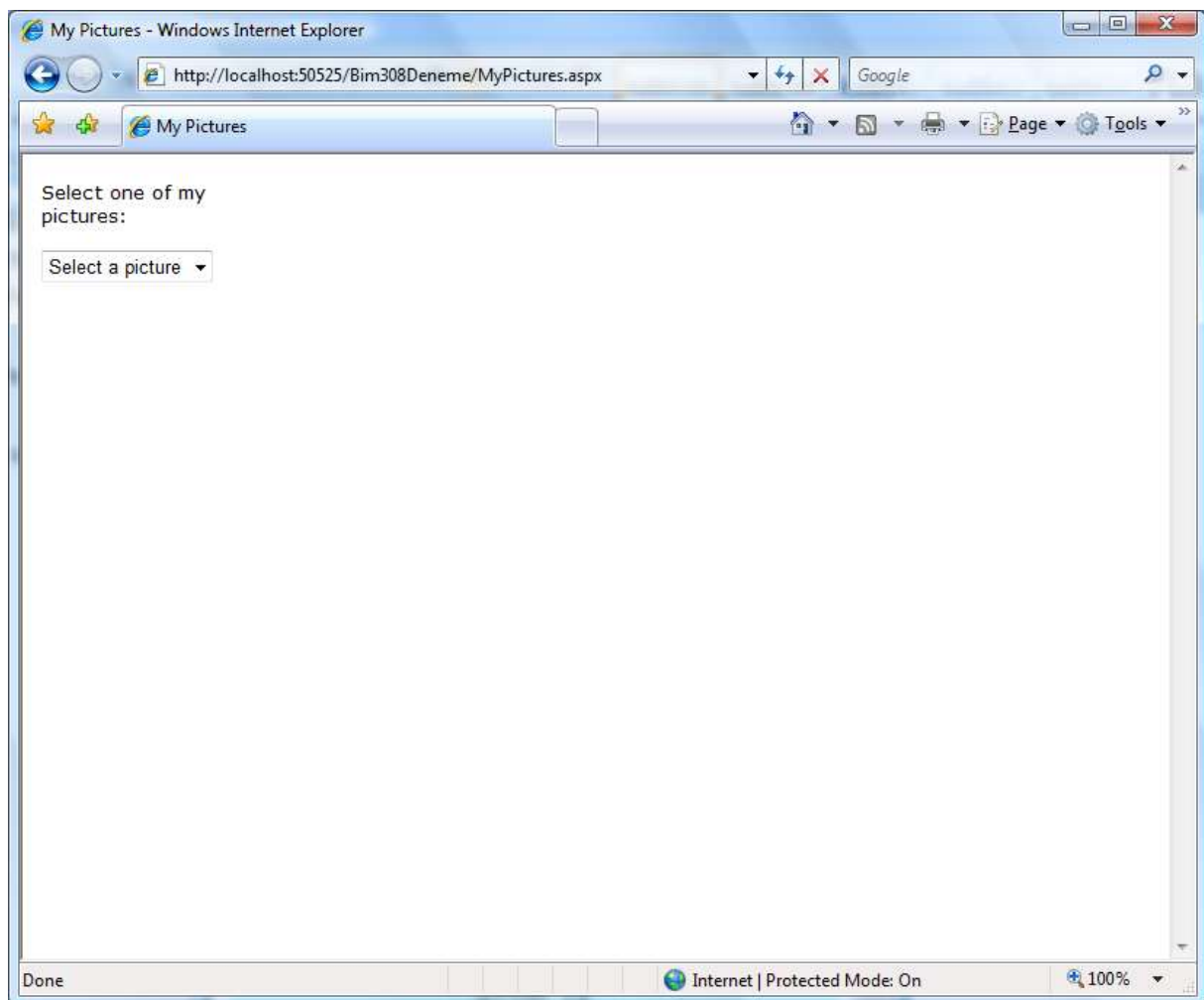


Fig. 1 The web page at the start

The DropDownList control should contain some selective information about your pictures and a “Select a picture” item at the top of the items like in Fig. 2.



Fig. 2 Information about the pictures

When the user selects a picture from the list, it should be displayed on the right with a descriptive text just below the picture. Additionally, a checkbox with text “Add border to the picture” should appear below the DropDownList as in Fig. 3.

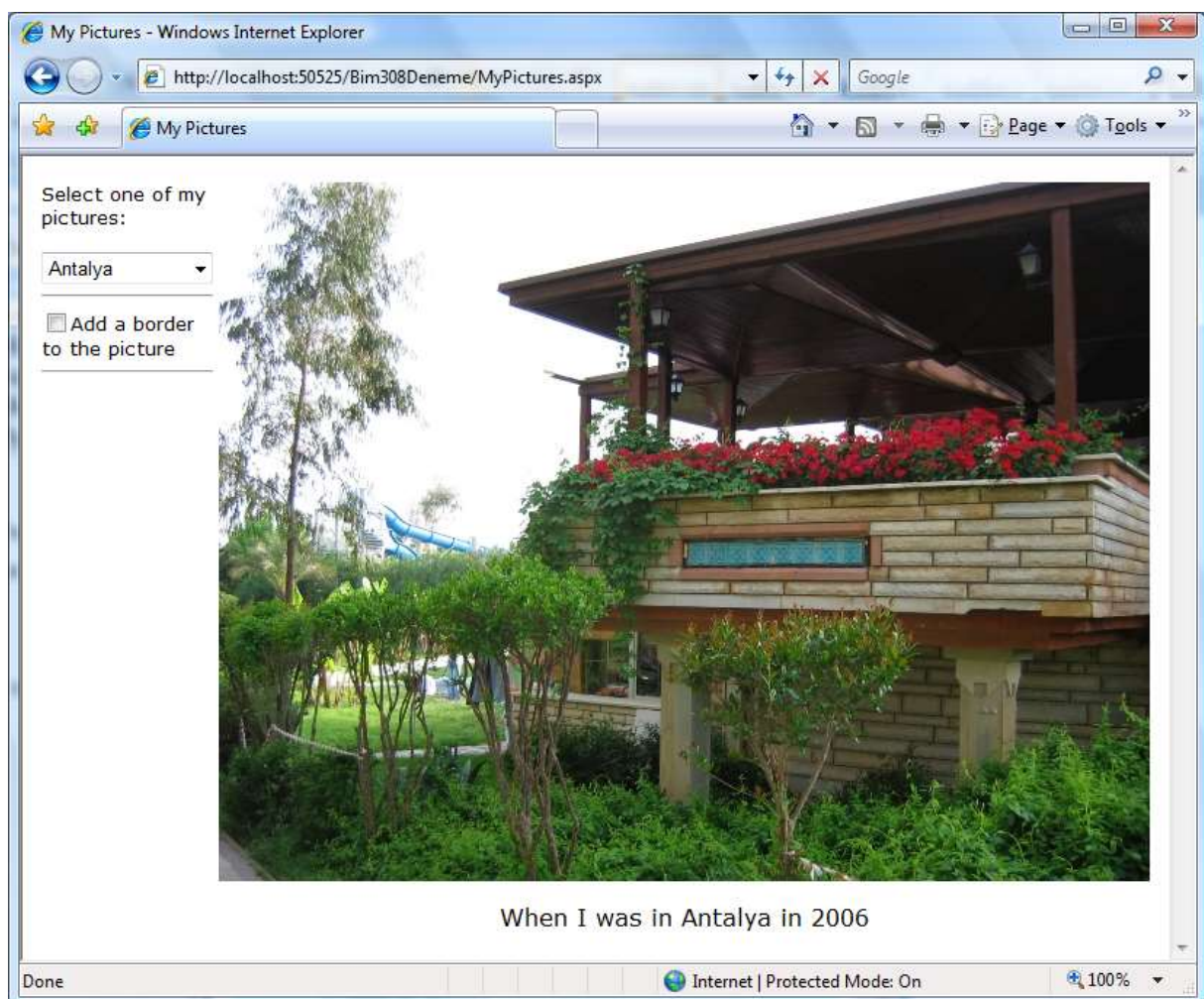


Fig. 3 When a picture is selected

When user checks the “Add a border to the picture” box, the picture should have a border of predefined color (Aqua in this case) and of predefined thickness (1 pixel in this case) as in Fig. 4. Additionally, a RadioButtonList to select border color and a DropDownList to select the border thickness should appear just below the checkbox.

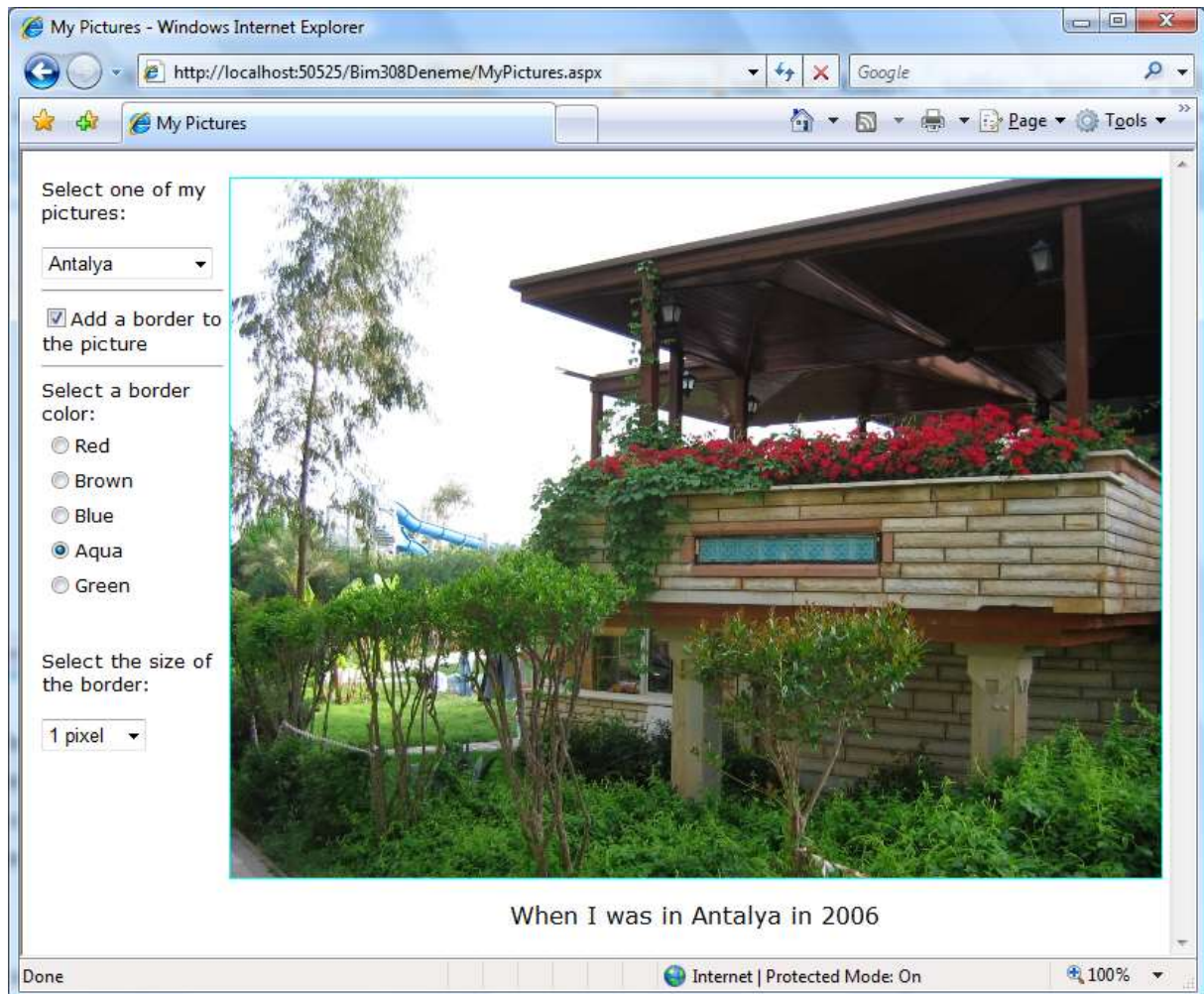


Fig. 4 When a border is added to the picture

When the user selects another border color or another border thickness, the image should update itself according to the desired preference like in Fig. 5.

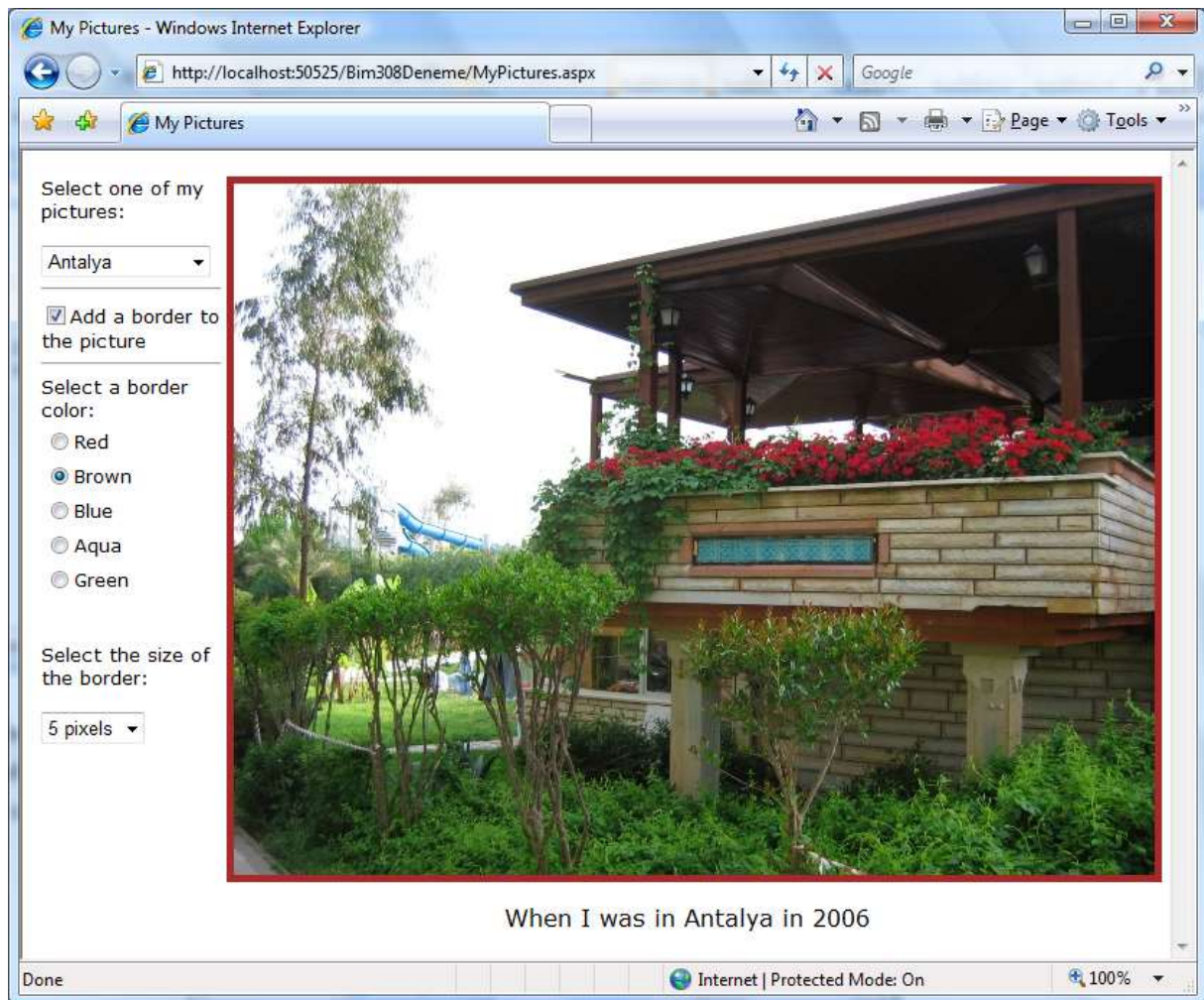


Fig. 5 When the border color and border thickness are changed

When the user clears the “Add a border to the picture” box, the border color selection and border size selection lists, and the border of the image should disappear. The result will be like Fig. 3.

When the user selects another picture from the picture selection list at any state, that picture should be displayed with its descriptive text and selected border styles. For example, if the display is like Fig. 5 and another picture is selected, the page should be like Fig. 6.

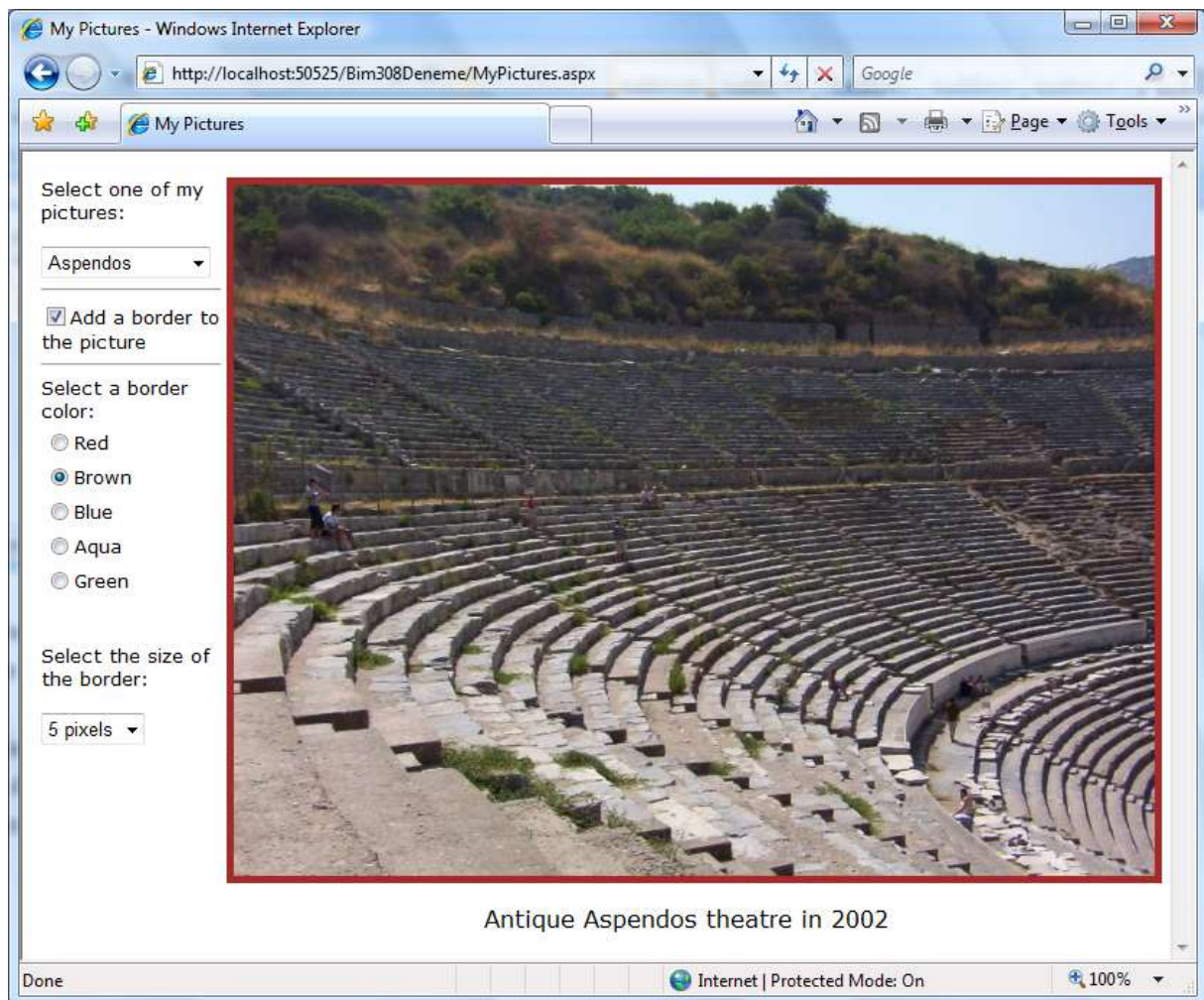


Fig. 6 When another picture is selected from the top-most list

When the user selects "Select a picture" option from the top DropDownList control, then the picture, its descriptive text, "add border" checkbox and border-style selection lists should disappear. The result should be like Fig. 1.

Submitting the homework

To submit your homework, zip your web site's folder and send it using the web page of the course until October 12, 2017 at 23:59.

Groups are allowed for assignments. Each group may contain **at most 2 students**. You have to decide your partner now! You and your partner will be grouped for all other assignments and you have to solve your assignments together. Once you select your partner, **you can't change your partner** for the next assignments. So, please be careful about choosing your partner and don't forget to inform him/her about your decision.