



# Homework 03 – HTML, CSS, JavaScript, and Responsive web design WITHIN and MVC project (C#)

Out of **110** Marks

**DUE: 2022-06-05 before 23:59**

## VIDEO INSTRUCTIONS:

- Make sure that everything is running when you start recording the video. The video should not be longer than **15** minutes showing the items in the Checklist.
- **Simply scrolling through the program will be considered not presenting a demo which would equal to you immediately losing 50% of your mark. You need to explain your reasoning.** It is part of what is known as “reflective learning” and helps you solve problems when you encounter them during coding. It is extremely useful. Do not neglect your own learning process by skipping out on this important step
- When showing something in the Checklist, show us your code and explain why you did it in that way. If you prefer to demo everything first then explain code, you can do it that way, but we need an explanation of why you coded it that way and not just functionality. The explanation does not need to be too in-depth.
- If something did not work in your code, in the video explain to us what you wanted to do and what you wanted to achieve with your approach. **We will not mark your code that you show us unless you explain this.**

## IMPORTANT NOTES:

- Both the Video Demo and Homework Source Code should be submitted in the correct upload area. **If the Video demo or the Homework Source Code is missing, you will get a zero.**
- If files are upload to the wrong upload area, we will not go and look for the upload. Uploads should be submitted correctly as indicated online. Incorrect uploads will lead to a zero being allocated.
- If you are caught for plagiarism, we will give you 0 and you will be reported for plagiarism immediately. There are no more warnings this year. We will audit historical assignments throughout the semester. You are here to learn, the more you know, the better for you.

Checklist	MAX
Use the checklist as a script that would allow you to sequence your demonstration.	
<b>1. Requirement 1 – Functionality</b> <ul style="list-style-type: none"> <li>• Start by showing the functionality of the program.</li> <li>• Run the program and then go through one complete action.</li> </ul> <p style="text-align: right;"><b>Demonstration time allocation = 1 minutes</b></p>	<b>10</b>
<b>2. Requirement 2 – Model</b> <ul style="list-style-type: none"> <li>• FileModel (<b>2</b>: 2 marks for model correctly created according to instructions)</li> </ul> <p style="text-align: right;"><b>Demonstration time allocation = 1 minutes</b></p>	<b>2</b>
<b>3. Requirement 3 – NavBar</b> <ul style="list-style-type: none"> <li>• NavBar (<b>3</b>: 1 mark for navbar being responsive (collapsible), 1 mark for navbar having correct links according to instructions, 1 mark for links navigating to correct view)</li> </ul> <p style="text-align: right;"><b>Demonstration time allocation = 1 minutes</b></p>	<b>3</b>
<b>4. Requirement 4 – Home &amp; About</b> <ul style="list-style-type: none"> <li>• Controller (<b>7</b>) <ul style="list-style-type: none"> <li>◦ Index ActionResult (GET) (<b>1</b>: 1 mark for returning the Index view)</li> <li>◦ Index ActionResult (POST) (<b>5</b>: 2 marks for receiving the <b>option</b> and the <b>file</b> from the view, 3 marks for saving the file in the correct folder)</li> <li>◦ About ActionResult (<b>1</b>: 1 mark for returning the About view)</li> </ul> </li> <li>• Index view (<b>9</b>) <ul style="list-style-type: none"> <li>◦ Layout &amp; Content (<b>3</b>: 1 mark for description and form positioned next to one another, 1 mark for correct content according to instructions, 1 mark for page being responsive and resizing to fit different screen types)</li> </ul> </li> </ul>	<b>19</b>

<b>Checklist</b> Use the checklist as a script that would allow you to sequence your demonstration.	<b>MAX</b>
<ul style="list-style-type: none"> <li>Form (6: 3 marks for working form, 1 mark for radio buttons, 1 mark for working file upload button, 1 mark for working submit button)</li> <li>About view (3)             <ul style="list-style-type: none"> <li>Layout &amp; Content (3: 1 mark for biography and picture positioned next to one another, 1 mark for correct content according to instructions, 1 mark for page being responsive and resizing to fit different screen types)</li> </ul> </li> </ul> <p style="text-align: right;"><b>Demonstration time allocation = 3 minutes</b></p>	
<p><b>5. Requirement 5 – Files</b></p> <ul style="list-style-type: none"> <li>Controller (12)             <ul style="list-style-type: none"> <li>Index ActionResult (4: 1 mark for retrieving the files and storing the data in an array, 2 marks for adding to list of FileModel using the retrieved data, 1 mark for returning the list to the view)</li> <li>DownloadFile FileResult (4: 1 mark for retrieving the filename to be downloaded from the view, 3 marks for downloading the correct file)</li> <li>DeleteFile ActionResult (4: 1 mark for retrieving the filename to be downloaded from the view, 3 marks for deleting the correct file)</li> </ul> </li> <li>Index view (11)             <ul style="list-style-type: none"> <li>Layout &amp; Content (2: 1 mark for page being responsive and resizing to fit different screen types, 1 mark for correct content according to instructions)</li> <li>Model (1: 1 mark for making use of model in view)</li> <li>Table (3: 1 mark for table, 2 marks for displaying the files passed to the view in the table using model)</li> <li>Buttons (5: 1 mark for download and delete button displayed for each file in the table, 2 marks for buttons calling correct action [1 mark per button], 2 marks for buttons working [1 mark per button])</li> </ul> </li> </ul> <p style="text-align: right;"><b>Demonstration time allocation = 3 minutes</b></p>	<b>23</b>
<p><b>6. Requirement 6 – Images</b></p> <ul style="list-style-type: none"> <li>Controller (12)             <ul style="list-style-type: none"> <li>Index ActionResult (4: 1 mark for retrieving the image files and storing the data in an array, 2 marks for adding to list of FileModel using the retrieved data, 1 mark for returning the list to the view)</li> <li>DownloadFile FileResult (4: 1 mark for retrieving the filename to be downloaded from the view, 3 marks for downloading the correct image file)</li> <li>DeleteFile ActionResult (4: 1 mark for retrieving the filename to be downloaded from the view, 3 marks for deleting the correct image file)</li> </ul> </li> <li>Index view (14)             <ul style="list-style-type: none"> <li>Layout &amp; Content (2: 1 mark for page being responsive and resizing to fit different screen types, 1 mark for correct content according to instructions)</li> <li>Model (1: 1 mark for making use of model in view)</li> <li>Images displayed (4: 2 marks for displaying the images in an orderly manner using model (see example image), 1 mark for scroll bar if images overflow, 1 mark for all images being the same size)</li> <li>Buttons (5: 1 mark for download and delete button displayed for each image file, 2 marks for buttons calling correct action [1 mark per button], 2 marks for buttons working [1 mark per button])</li> <li>Fancy Box (2: 2 marks for implementing fancybox in the view. (See example image).</li> </ul> </li> </ul> <p style="text-align: right;"><b>Demonstration time allocation = 3 minutes</b></p>	<b>26</b>
<p><b>7. Requirement 7 – Videos</b></p> <ul style="list-style-type: none"> <li>Controller (12)             <ul style="list-style-type: none"> <li>Index ActionResult (4: 1 mark for retrieving the video files and storing the data in an array, 2 marks for adding to list of FileModel using the retrieved data, 1 mark for returning the list to the view)</li> <li>DownloadFile FileResult (4: 1 mark for retrieving the filename to be downloaded from the view, 3 marks for downloading the correct video file)</li> <li>DeleteFile ActionResult (4: 1 mark for retrieving the filename to be downloaded from the view, 3 marks for deleting the correct video file)</li> </ul> </li> <li>Index view (15)</li> </ul>	<b>27</b>