

**Department of Computer Science
City University of Hong Kong
CS2204 Fundamentals of Internet Application Development
Course Work No. 2 (CW2)**

Learning Outcomes:

- integrate CSS into the HTML to set layout, enhance presentation and user experience
- assess CSS design alternatives and present arguments for the design you chose
- produce web pages that can pass through validation

Overview

This course work is the second part of the cinema Web site which uses CSS and focuses on styles and layout. The Web site would not be fully functional until the last part (CW3) using Javascript is completed.

To align with Discovery Enriched Curriculum (DEC) encouraging critical thinking and exploration, you have total freedom to come up with your design as long as the specified mandatory requirements are met. If you use ideas from the Internet or other people, you **MUST** acknowledge and quote the source in the design page.

Styling and layout requirements

You can make changes to the HTML structures in CW1 and add in CSS to complete this course work. Direct use of template, example style sheets of others is not allowed.

Requirements can be divided into two types, page layout and theme (overall appearance across multiple pages) which you can design freely, and some required structures and styles which you have to follow. **Note that all requirements do not apply to the Design page as it is free format.**

Page layout and theme design:

- 1) you are free to design the layout of individual pages but there must exist a theme, e.g. a common layout for all pages, common color scheme and use of font types, etc. to give a consistent appearance across the Web site
- 2) for all pages, layout of some of the blocks have to be 2-columns or multi-columns; **blocks are defined again as follows (different from CW1):**

Page	Blocks
Home	Header, Menu, Video, Now Showing Movies, Up Coming Movies, Footer
Now Showing	Header, Menu, Cinema Select, List of Movies for that cinema (including the image and button), Cinema Locations, Footer
Ticket	Header, Menu, Information showing cinema, movie, date time and house (no longer 4 headings as in CW1), Seat Plan,

	Selected Seats with the confirm button, Footer
Print	Header, Menu, One Ticket, Footer

- 3) you need to show your theme layout clearly in the *Design* page with a sketch diagram

Requirements applied to all pages:

- 4) on page load, use an animation to move the logo in the header to one side and back to the original position; the animation finishes in 3 seconds and the logo should move on top of the company name
- 5) the navigation menu stays in a fixed position and would not move when the page is scrolled through beneath; it can be horizontal or vertical
- 6) in the navigation menu, the menu item of the page being viewed (i.e. Home in the Home page or Ticket in the Ticket page) should be disabled (the link not clickable) [hint: think about page specific style overriding common style]
- 7) the text (including the links) in the footer should be centered
- 8) at least 2 different CSS3 features other than animation should be used in the Web site

Home page:

- 9) in movie lists (both now showing and coming soon), the movie name now serves as a title and the thumbnail is at the left relative to the other text
- 10) when the thumbnails are "mouse over", the cursor changes into the hand pointer (clickable) [hint: use of an image link is not allowed]
- 11) information type, i.e. Movie/Cast/Director/Duration should be bold

Now showing page:

- 12) the Buy Ticket information, i.e. thumbnail, movie name, date time and the button should be properly aligned (you can decide how they are aligned)

Ticket page:

- 13) seat plan of the House should be properly aligned to show clearly the screen position, row and seat numbers
- 14) when a seat is pointed by the cursor, its background color changes to a color different from the others

Print page:

- 15) ticket information should be properly aligned
- 16) when the page is printed with the browser print option (i.e. in Print Preview), the header and footer should disappear, and only tickets are shown; each ticket would be in a new page

Requirements for Design page:

- 17) one sketch diagram to show the overall theme layout (requirement no. 3)
- 18) state how many style sheets and groups of styles (embedded style is classified as a group) are used and their purposes

- 19) state the style sheets and the line numbers of the CSS rules where the 2 CSS3 features (requirement no. 8) are found
- 20) appropriate acknowledgements

Assessment criteria

You will be assessed by how much and how well you can apply what have been learnt from the course, some considerations are:-

- 21) no Javascript should be used for this course work
- 22) no inline style or style related HTML should be used
- 23) tables should not be used for layout purpose
- 24) good practice in using CSS should be adopted, such as:
 - links should have hover effect (no underline)
 - focus effect and alignment of label and fields for forms
 - good color contrast, readable font size, comfortable margin and padding, etc.
 - do not over use id selection; consider selecting elements more specifically;
 - use multiple style sheets/groups of styles , e.g. styles for the whole site giving a theme and styles for specific page should be separated
 - format of how rules should be written
- 25) your pages should look (nearly) the same in different browsers
- 26) all pages except Design page should pass through validation for document type HTML5
- 27) your Web site should be organized in proper folders, e.g. html, css, images, etc.

Due Date and submission

- The due date has been announced in Canvas course home page, the deadline time is 11:55 pm
- Submit a zip file of your Web site with appropriate folders set up so that it could be test directly by unzip
- DO NOT include video files in your submission file

Miscellaneous information

You should retain a copy of your submission, the same set of web pages will be used again in CW3 for adding Javascript. You may refer to the Zoom video recording “CW2 sample styles” in Canvas for some of the required visual effects.

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