

Lab Activity 5 - HTML/CSS/DOM

Software System Development – Monsoon 2024

Due Date: 13th September 2024, 05:00 pm

Instructions:

1. Deadline mentioned during the Lab is strictly immutable. **No extensions will be given.**
2. Any naming convention mentioned in the lab activity must be followed strictly or marks may be deducted for the same.
3. Any plagiarized content will fetch zero marks for the current lab and will be followed by strict action against the students involved. However, discussion of ideas is allowed.
4. Use of any LLMs is strictly prohibited and would fetch zero marks for the lab if found. This is a learning activity, and we take academic integrity extremely seriously.

Submission Criteria:

- Create a folder with your roll number as its name and containing the following files corresponding to the questions:
 - Two HTML files, One CSS file.
 - README.md
- Compress the folder as a zip file (name should be <roll_number>.zip) and then upload it on the Moodle before deadline.
- README.md should contain steps for execution of your scripts and any extra information that you want the evaluator to know before running your scripts, such as assumptions made, or dependencies on some external tools or libraries.
- For Example:
2023201079.zip
 - |____2023201079
 - |____index.html
 - |____videoPage.html
 - |____styles.css
 - |____README.md

Note : Please take care of the directory structure and naming convention, any lack of adherence will be graded as 0 and is your own responsibility.

Question 1: (10 Marks)

Create two pages fulfilling the following requirements: (The styling is covered in the next question, so focus on functionalities here.)

1. `index.html`: (Login Page)

1. Add a heading to the page that welcomes the user. (½ Mark)
2. Create two input fields – one for "Username" and another for "Password." These fields should be mandatory using HTML attributes. (1 Mark)
3. Add placeholder text to the input fields for guidance (e.g., "Enter Username" and "Enter Password"). (1 Mark)
4. Create a "Login" button that, when clicked, navigates to the second page (`videoPage.html`). (No authorization required). (1 Mark)
5. Add a "Remember Me" checkbox below the password field. (½ Mark)
6. Place all the above elements in a common `div` container for better structure and organization. (1 Mark)

2. `videoPage.html` (Movie Trailer Page)

This page will contain an in-frame youtube video of some Movie Trailer.
Below that is a Table which will have recommended movie name, cast and rating (take any three movies of your choice). After that a small description about that movie (can use Lorem Ipsum text for this).

1. Add a heading to the page displaying "Movie Details." (1 Mark)
2. Provide a "Logout" button that navigates back to the login page (`index.html`). (1 Mark)
3. Include an embedded YouTube video of any movie trailer of your choice. (1 Mark)
4. Create a table of 3 recommended movies with the following columns: Movie Name, Cast, IMDB Rating, and Release Date. (1 Mark)
5. Movie Description: Add a small description below the table using Lorem Ipsum text or a custom description about the movie. (1 Mark)

Question 2: (15 Marks)

Create a stylesheet called `style.css` and use it for the following styling:

1. Login Page (`index.html`):

1. Position the common container containing all the elements to the center of the window. (1 Mark)
2. Use media-query to display a different background colour when the device window width is less than 600px. (1 Mark)
3. Add any Background image/Background color. (Optional: Look for linear gradient to make it look elegant) (1 Mark)
4. Box-shadow property around the login container. (½ Mark)
5. Rounded corner of the login container. (½ Mark)
6. Change input field border color on hover & Login Button color and its text color change on hover. (1 Mark)

2. Video Page (`videoPage.html`):

1. Video box, Table, and description should be in the center of the window, vertically and horizontally. (1 Mark)
2. Add a transition to the heading which increases its font-size by a factor of 2.5 and changes the background color of the heading. (1 Mark)
3. Add any background color/background image and change the font family to Arial. (1 Mark)
4. Add a static 'Star Rating' display below the trailer video. (1 Mark)
5. Add padding, border and box-shadow to the table. (1 Mark)
6. Add background color to the table heading row. (1 Mark)
7. Logout button should be on the top right corner and red in colour. (1 Mark)

3. Common for both pages:

1. Any form field must be mandatory. (1 Mark)
2. All boxes should have rounded corners. (1 Mark)
3. All buttons should have a hover effect. (1 Mark)