

## SOFTWARE SYSTEM DEVELOPMENT - Monsoon – 2024

### Lab Activity 9 – Browser Events

**Submission Due Date: 25/10/2024, 5.00 PM**

#### IMPORTANT INSTRUCTIONS

1. This activity is an individual submission, NOT a group activity.
2. Submissions should be done via the Moodle only.
3. Each question carries 10 marks
4. Deadline mentioned during the Lab is strictly immutable. No extensions will be given.
5. Any naming convention mentioned in the lab activity must be followed strictly or marks may be deducted for the same.
6. 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.
7. Submission Criteria:
  - Use external CSS, HTML and JS files.
  - Create a folder with your roll number as its name and containing the submission files corresponding to the questions
  - 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 script and any extra information that you want the evaluator to know before running your script, such as dependencies on some external tools or libraries.
  - For Example:  
2023202010.zip
    - | 2023202010\_q1.html
    - | 2023202010\_q1.css
    - | 2023202010\_q1.js
    - | so on ...
    - | README.md

**This activity is on top of Lab 5 activity where the login page and Video page are created. We are adding events to those pages in the current activity.**

Q1. Add validation on Username field to include only alphanumeric characters. Show an error on the webpage if a special character is entered. This validation is for every keystroke. The error should disappear after a successful entry

Q2. Add validation on Password field to include atleast one Uppercase and one lowercase letter and one number. For example: "uSer1". The validation has to happen for every keystroke. Show an error when the criteria is not met. Error should go away for a password entry that meets the given criteria.

Q3. On hovering over the video, show a small popup with a short review of the movie

Q4. Resize the video panel with mouse drag and drop events.