Assignment 02
CS-4032Web Programming Spring 2022

Open Date - Mar 18, 2022   Deadline - **Mar 26, 2022 10:55 PM**

Total marks: 50

Portfolio Website with JavaScript

Objective

- Learn to apply JavaScript programming
- Learn to manipulate the DOM through JavaScript
- Learn to apply JavaScript events

Instructions:

Use of frameworks or design systems (such as jQuery, bootstrap) is **NOT** allowed in this assignment.
You are required to submit your assignment on slate
You have to write all JavaScript code in separate "script.js" and link your js file with html files.

Description

You have to apply JavaScript on assignment 1 for the following pages:

- index.html – a page describing your portfolio
- mytimetable.html – a page displaying your current semester timetable in tables
- coursevideos.html – a page displaying 6 videos
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1. index.html [15 marks]
    1.1. On the mouse hovering on your profile image, image should get enlarged by 20% and on mouse hovering back from image, it should get back to its original size.
    1.2. Add an input form which takes input of the projects you have done such as project title, year, Technologies you have used and description.
    1.3. Validate all inputs before submitting through JavaScript such that year must be number.
    1.4. For Technologies, it must provide a list of technologies and user will select multiple options from list of technologies.
    1.5. On Submit, all input will append into projects.
    1.6. Add a label next to project heading and this label display the total number of projects you have done so far.
2. mytimetable.html – search and filter Html Table [20 marks]
    2.1. Add a search bar on the top of the your semester timetable and this search bar should be able to search whatever you are typing in the search bar from the timetable on keyup() event.
    You are not allowed to create a separate search button and provide the search functionality through onClick() Event.
    2.2. Provide CRUD operations on your table where you can add a new subject time table, edit previous timetable(row) and delete a row such as

Sample mytimetable.html

Name	Country	Age	
Ankit	India	20	Edit Delete
Shawn	Canada	26	Edit Delete
Rahul	India	19	Edit Delete
			Add Row

Sample Index.html

Magnus Li — Student at UiO

Github — Instagram — LinkedIn

Projects

Something (2017) Simple web project that allow….	**Something (2017)** Website written in js, php, …..	**Something (2015)** Blablabla….
DHIS2-LMIS (2015) Commodity ordering system for DHIS1 blablabla	**Something (2011)** Blablabla….	**Something (2011)** Blablabla….

Work experience

3. coursevideos.html – [15 marks]
    3.1. Apply poster image to each of 6 videos;
    3.2. Remove the controls attribute from the <video> element. You're going to build your own controls, so you don't need the browser's built-in controls anymore.
    3.3. Below the video element, add a new <div> element and fill it with <button> elements that will be used to control the player, like this:

    1.   <div id="myplayer">

    2.   <button onclick="play()">Play</button>
    3.   <button onclick="pause()">Pause</button>
    4.   <button onclick="changeSpeed('up')">Faster</button>
    5.   <button onclick="changeSpeed('down')">Slower</button>
    6.   <button onclick="changeVolume('up')">Louder</button>
    7.   <button onclick="changeVolume('down')">Softer</button>
    8.   </div>