



# Web Programming

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## Lab 8 – JavaScript / jQuery

# Assignment 1. Dark Mode

Switch between dark and light mode with CSS and JavaScript.

## Toggle Dark/Light Mode

Click the button to toggle between dark and light mode for this page.

Toggle dark mode

## Toggle Dark/Light Mode

Click the button to toggle between dark and light mode for this page.

Toggle dark mode

**Note:** It is recommended to use a button like the one below:



# Assignment 2. Show/Hide password

Write JavaScript code to toggle password visibility.

Password:

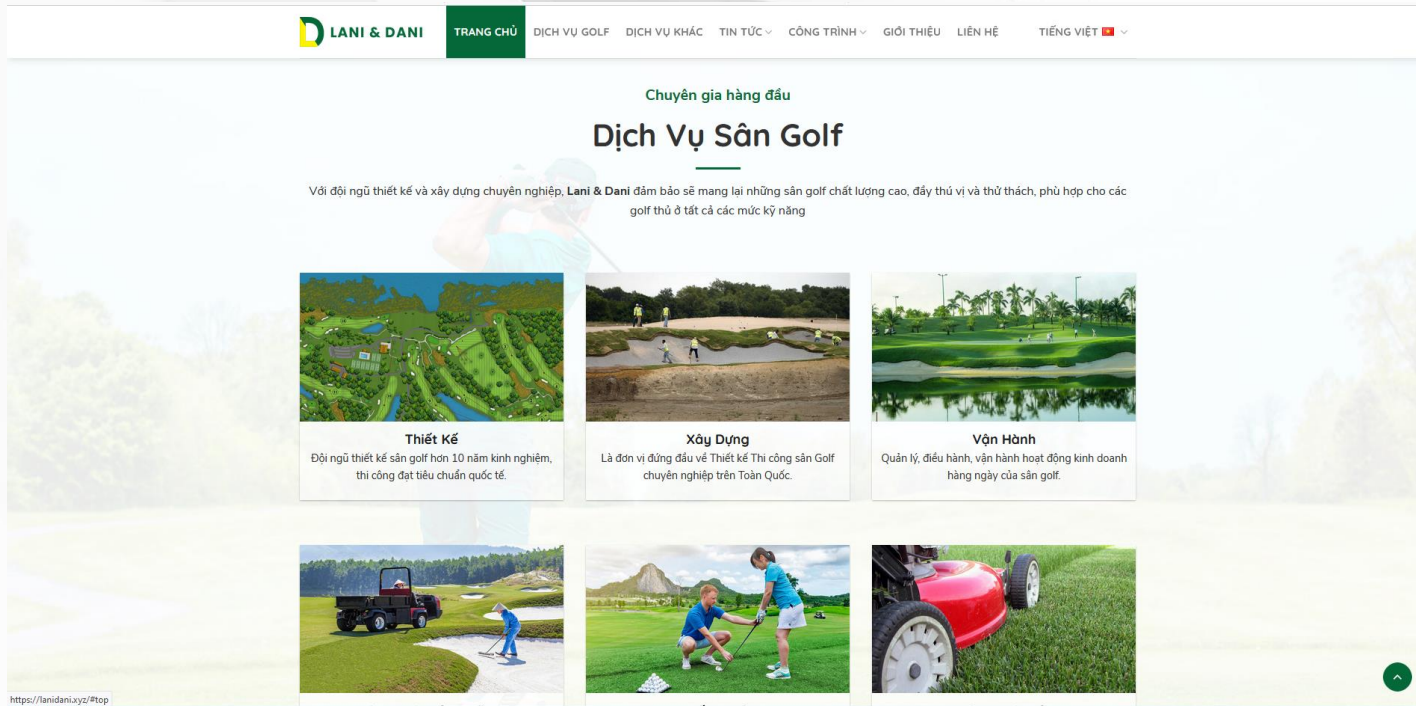
●●●●●●●●

☐

Show Password

# Assignment 3. “Go to top” Button

Write a jQuery script to implement the “Go to top” button functionality.



# Assignment 4. Full screen Overlay Navigation

## Fullscreen Overlay Nav Example

Click on the element below to open the fullscreen overlay navigation menu.

≡ open

Complete the mobile menu.

**Normal**

**X symbol is clicked**

**Open Button is clicked**

## Fullscreen Overlay Nav Example



Click on the element below to open the fullscreen overlay navigation menu.

≡ open

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# Assignment 5. Student Management System

Create a web page like the following.

## Student Management System

### Class List

- Lớp 1
- Lớp 2

Edit student's information

Student List

#	Full Name	Student ID	Function	
1	Nguyễn Văn A	2230	Edit	Delete
2	Đoàn Văn B	2227	Edit	Delete
3	Đỗ Thị C	2219	Edit	Delete
4	Nguyễn Văn A2	a2230	Edit	Delete
5	Đoàn Văn B2	b2227	Edit	Delete
6	Đỗ Thị C2	c2219	Edit	Delete

# Assignment 5. Student Management System

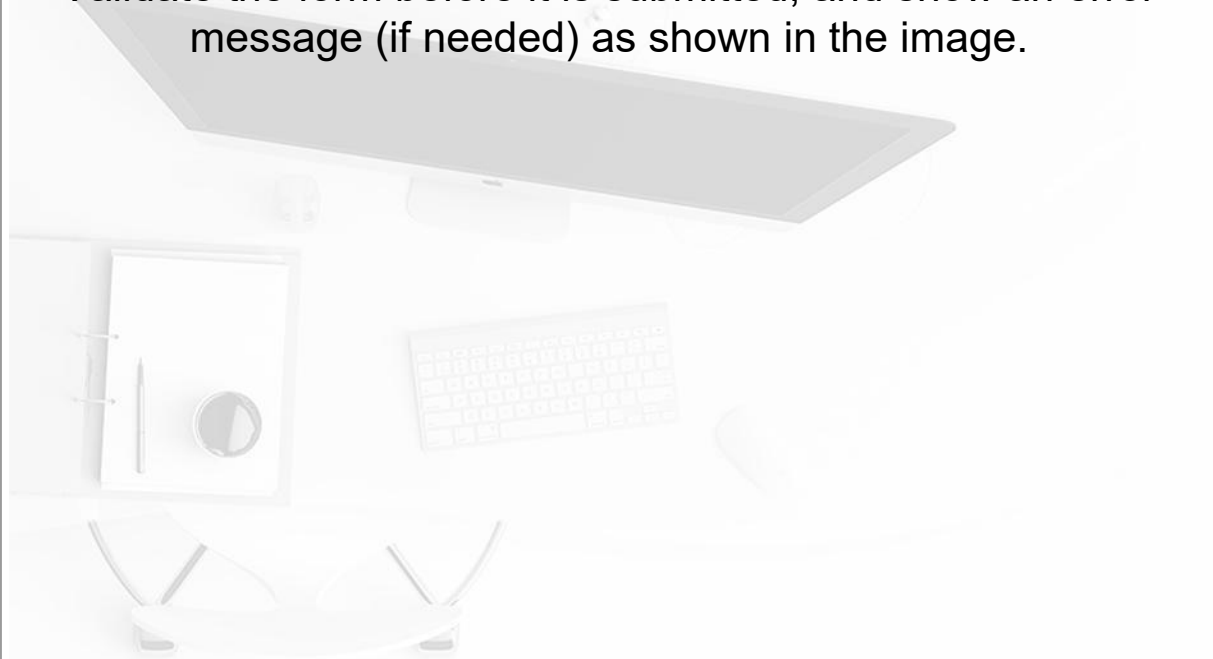
- Use **fetch** to get data from: <http://139.180.213.49/getdata-student.php>
  - **Parameter Name**: Type
  - **Parameter Value**: Student or Class
  - Method: GET
- Write the following functions:
  - Display class and student lists, and class options in the form after the webpage loads.
  - Insert a new student at the beginning of the student list
  - Update a student's details using the ID
  - Delete a student using the ID
  - Sort the student list by Name before display it
  - Display the student list filtered by the class name
  - Search for students by the name



<b>Full Name*</b>	<input type="text" value="Enter your full name"/> Please input your name
<b>Email*</b>	<input type="text" value="Enter your email"/> Please input your email
<b>Password*</b>	<input type="password" value="Enter your password"/> Please input your password (min-length = 6)
<b>Confirm Password*</b>	<input type="password" value="•"/> It does not match your password
<b>Phone number*</b>	<input type="text" value="Enter your phone number (only numbers)"/>
<b>Address</b>	<input type="text"/>
<b>City</b>	<input type="text" value="Enter your City"/> <b>State</b> <input type="text" value="Enter your State"/>
<b>Zip/Postal Code</b>	<input type="text" value="Enter your Zip/Postal Code"/>
<b>Country</b>	<input type="text" value="[Select your country]"/>
<b>Birthday</b>	<input type="text" value="mm/dd/yyyy"/>
<b>Gender</b>	<input type="text" value="Male"/>
<b>Starting date</b>	<input type="radio"/> Spring <input type="radio"/> Summer
<b>Comments</b>	<input type="text" value="Please send us more information"/>
<input type="button" value="Submit"/>	

# Assignment 6. Form Validation

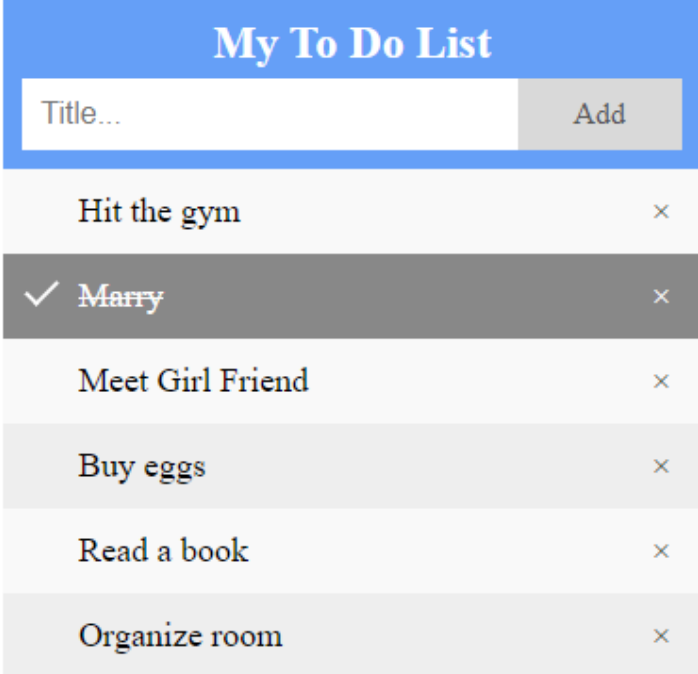
Validate the form before it is submitted, and show an error message (if needed) as shown in the image.



# Assignment 7. Create a To-Do List

Complete the to-do list with the following features:

- Add a new item when clicking the **Add** button, only if the task title is not empty.
- Remove an item when clicking the “x” symbol next to it.
- Toggle the item’s checked/unchecked status when clicking on the item itself.



My To Do List	
Title...	Add
Hit the gym	x
✓ Marry	x
Meet Girl Friend	x
Buy eggs	x
Read a book	x
Organize room	x

# Assignment 8. Gallery

Create a tabbed image gallery with the following requirements:

- Click on a thumbnail image to expand it.
- Add a border to the clicked image.
- Write a script to change an image every 5 seconds.
- Write a script to remove the enlarged image when clicking the “X” button.

