



School of Computer Science & Engineering

Lab Experiments List (FALL 2020-21)

Course Code : CSE3002

Course Name : Internet and Web Programming

1. Design a website to demonstrate the knowledge of students in HTML tags, forms, table, list and HTML frames.

- i. Create a user registration webpage using HTML Form elements (Input types) for a hackathon event registration. The webpage must contain the following input types to get the details of the students
- ii. # Input Types:- Textfields, Textarea, checkbox, radio button, submit button, reset button, drop down box, images (if required).
- iii. # Apply styles, Formatting tags of HTML for good design.
- iv. # Embed audio or video.
- v. # Perform form validations with HTML 5 elements.

2. Write a program to demonstrate the concept of HTML Image mapping element.

- i. Add an image of the cricket playground.
- ii. Use image mapping to give the details about the various fielding positions. (eg. Gully, slip etc., - write description about it and your favourite fielders at that point)

3. Design the webpage with the types of Cascading style sheets (CSS) – internal, external and inline styles.

Using CSS and HTML create a webpage that has two columns. Each column should use half of the width of the page. The left half should have a light gray background and the right half should have a light green background. The webpage right column should show the recipe for grilled cheese sandwiches with bacon and tomato. The ingredients should be displayed in left column as an unordered list, with no bullets. meat ingredients should have a light red background color, vegetables should have a light green background, and dairy products should have a light yellow. The title should

be in a sans serif font of your choice, and the instructions should have a heading "Instructions" and the font for the instructions should be italic.

4. Write a javascript program to validate HTML form fields in a webpage.

- i. Design a Registration Webpage for an insurance company.
- ii. The form must contain a minimum of 10 fields.
- iii. Implement Java Script with regular expression to validate the following
- iv. For Last Name field - the last name should be dot(.) followed by single letter combination(Note:.K or .N.L is allowed.kumar or Nakul is not allowed).
- v. For E-Mail ID accept only the gmail ID.
- vi. With the Data of Birth input,calculate the age of the person and populate it in the textbox automatically.
- vii. Validate the form for empty field submissions.

5. Write a program to demonstrate the concept of JavaScript DOM.

Design an e- newspaper using DOM with following feature:

- i. Add buttons to change the headlines, content and author with respect to the date.
- ii. Customize the advertisements page based on the requirement

6. Create a program to change the content of the webpage using AJAX.

- i. Create a program to change the content of the Jackpot web page using AJAX.
- ii. Allow the user to enter any 4 digit number in the textbox.
- iii. Whenever the user enters a number ending with 7,show Rs 1000 as prize money.
- iv. When the user enters a number ending with 9,show Rs 3000 as the prize money.
- v. For all other value Rs.100 as the prize money.
- vi. Prize Money updation should be done with AJAX.

7. Write a program to demonstrate the concept of JQuery.

- i. Create three buttons with labels red, green, blue, when the mouse is moved over it, the background color has to be changed respectively.
- ii. Create a HTML page holding a list of items and an [Extract Text] button. Implement the extractText function which will be called when the button's

onClick event is fired.

- iii. Create a HTML page that holds a list of towns, a search box and a [Search] button. Implement the search function to bold the items from the list which include the text from the search box.
- iv. Disable/enable the form submit button. Disable the submit button until the visitor has clicked a check box.
- v. Distinguish between left and right mouse click.
- vi. Remove style added with .css() function.

8. Write a PHP program to demonstrate the concept of File handling

- i. Write a PHP program to write 100 integers in to a text file. Read 10 numbers at a time from the file using PHP script and find the numbers which occurs odd number of times.

Input : 4, 5, 4, 5, 2, 2, 3, 3, 2, 4
Output : 2, 4

9. Write a PHP program to demonstrate the concept of Session Management and Cookies

- a. Create a cookie with a value of username and his emailid. The cookie should expire in 3 days. Check whether the cookie is present in the website, when the user enters his username, the emailid should be given by the cookies.
- b. Perform the following operations:
 - i. Create a cookie. Check whether the cookie is enabled or not. Print the status.
 - ii. Delete the created cookie before an hour
 - iii. Check whether the cookie is disabled or not. Print the status

10. Design a web application using PHP to perform all the Database operations.

- i. Create an address book web application that allows the user to store and retrieve several mailing lists from MySQL database. The address book contains firstname, designation, address1, address2, City, State, emailid. user can add, update and delete all address information's in the database. Implement search operation with emailid, when emailid is given it return an HTML page with all the complete address information .

11. Write a program to demonstrate the concept of data storage and parsing in XML

- i. Develop a thesaurus tool by creating a schema for thesaurus. When a word is entered the synonyms or antonyms must be displayed based on the user request.
- ii. XSLT – Create a student mark maintenance system using XML. Create a webpage to display all the students consolidated mark statement with pass (green color) or fail (red color) using XSLT.

12. Write a Node JS program to perform database operations. Use MongoDB for data integration services.

- i. Write a NodeJs program to perform debit operation for a bank account. The HTML form should get input for the account no and the amount to be debited. The entered amount has to be reduced from their balance. In the database, maintain account number and balance.
