




IT502 Web Designing

List of Experiments

| Sr No | Title of the Practical | No of hours allotted | Mapped CLO | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|-----------------------|--|-----------------------|-----------|----------|--|----------|--|---|----------|--------------------|--|---|-----------|--|--------|-----------|--|--|--|--------------|--|--|--|---|-------|
| 1. | HTML Concepts: A. Design a home page which will display your information i.e. Resume. B. Demonstrate various list types using appropriate example. | 4 | CLO 1 CLO 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. | A. Create a HTML page which contains the two inline frames. One inline frame contains navigation links and second inline frame contains the details about chapters. Once we clicked on navigation link then it jumps on specific chapter section in second frame. Refer the figure for more detail. <div><div>Chapter 1 Chapter 2 Chapter 3 Chapter 4 Chapter 10</div><div>Chapter 3 This chapter explains Chapter 4 This chapter explains Chapter 5 This chapter explains</div></div> B. Demonstrate an image map for country India in HTML. Once we click on specific state, it will open another page with state image. | 2 | CLO 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. | Design web pages for the followings: A. Table as given below: <div><p>Caption: Table Example</p><table><tr><th colspan="2">Header-1</th><th colspan="2">RIGHT CORNER OF TABLE</th></tr><tr><th colspan="2">Header-2</th><th>Header-3</th><th></th></tr><tr><td>1. Lists can be table data 2. Images can be table data</td><td rowspan="3">Two Tall</td><td>Two columns merged</td><td></td></tr><tr><td></td><td>Data here</td><td>Caption: Nested Table <table><tr><th>Header</th></tr><tr><td>Cell data</td></tr></table></td></tr><tr><td colspan="3">Multiple lines: Line 1 Line 2 Line 3</td></tr><tr><td colspan="4">Table Footer</td></tr></table></div> | Header-1 | | RIGHT CORNER OF TABLE | | Header-2 | | Header-3 | | 1. Lists can be table data 2. Images can be table data | Two Tall | Two columns merged | |  | Data here | Caption: Nested Table <table><tr><th>Header</th></tr><tr><td>Cell data</td></tr></table> | Header | Cell data | Multiple lines: Line 1 Line 2 Line 3 | | | Table Footer | | | | 4 | CLO 3 |
| Header-1 | | RIGHT CORNER OF TABLE | | | | | | | | | | | | | | | | | | | | | | | | | |
| Header-2 | | Header-3 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. Lists can be table data 2. Images can be table data | Two Tall | Two columns merged | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | Data here | Caption: Nested Table <table><tr><th>Header</th></tr><tr><td>Cell data</td></tr></table> | Header | Cell data | | | | | | | | | | | | | | | | | | | | | | |
| Header | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cell data | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Multiple lines: Line 1 Line 2 Line 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Table Footer | | | | | | | | | | | | | | | | | | | | | | | | | | | |

- B. Create registration form of your choice. Use appropriate form tags.
Consider the **sample** examples given below:

Sample 1:

Student registration page

Student information

Roll Number:
Name:
Parent's Name:
Your Image: No file selected.
Gender: Male: ☒ Female: ☐
Semester:
Address:

Enter your present address

Age: 65 = Output tag here

Submit Form

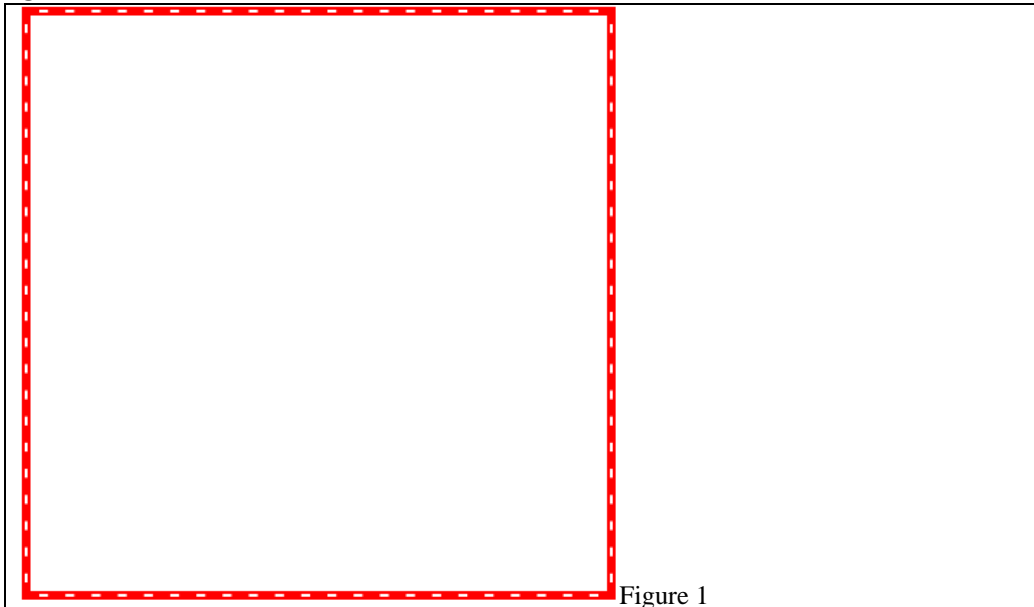
[Figure: Student information]

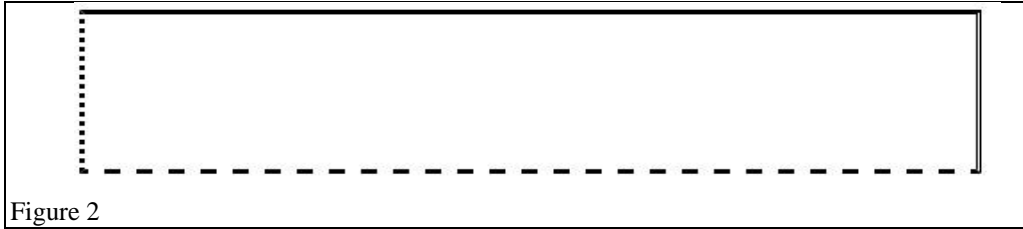
| Field Name | Necessary conditions |
|-------------|--|
| Roll number | Use implicit label for Roll number field |
| Your Image | Only accept the image files. |
| Semester | Use select tag. |
| Address | Use textarea and limit the number of columns to 30 & perform physical wrap on text |
| Range | Use range tag. Range minimum value is 20 and maximum value is 65. When user changes the value using range tag, the output must be changed in output tag. |

Sample 2:

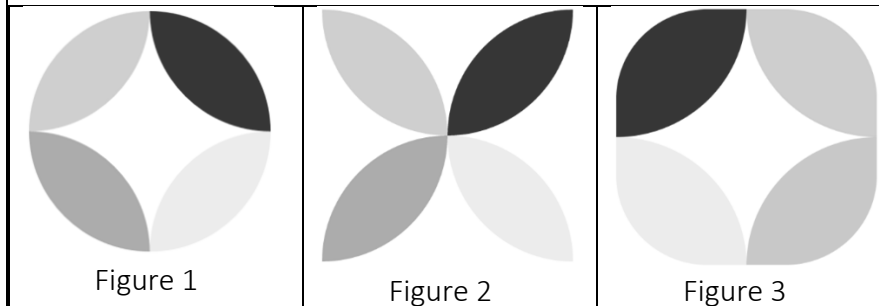
Customer Registration Page which contains following fields:

| Sr. No. | Field name | Necessary conditions |
|---------|-------------|---|
| 1. | Customer ID | Use implicit label |
| 2. | Name | User can enter maximum 60 characters |
| 3. | Age | User can able to enter only numeric value from 18 to 80 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|---|---|-------------------------|---|----|---|------------------------------|----|-------|-------------------------|----|-------|--|----|----------|--|----|------------------|--|-----|--------------|--|-----|--------------|--|-----|---------------|--|--|--|
| | <table><tr><td>4.</td><td>Gender: Male and Female</td><td>Use radio buttons and initially option male is selected</td></tr><tr><td>5.</td><td>Customer Account type: Basic and Privileged</td><td>Use input tag list attribute</td></tr><tr><td>6.</td><td>Photo</td><td>Only accept image files</td></tr><tr><td>7.</td><td>Email</td><td>Use appropriate input tag type attribute</td></tr><tr><td>8.</td><td>Password</td><td></td></tr><tr><td>9.</td><td>Confirm Password</td><td></td></tr><tr><td>10.</td><td>Homepage URL</td><td>Use appropriate input tag type attribute</td></tr><tr><td>11.</td><td>Reset Button</td><td></td></tr><tr><td>12.</td><td>Submit button</td><td></td></tr></table> <p>Do not use JavaScript for any field.</p> | 4. | Gender: Male and Female | Use radio buttons and initially option male is selected | 5. | Customer Account type: Basic and Privileged | Use input tag list attribute | 6. | Photo | Only accept image files | 7. | Email | Use appropriate input tag type attribute | 8. | Password | | 9. | Confirm Password | | 10. | Homepage URL | Use appropriate input tag type attribute | 11. | Reset Button | | 12. | Submit button | | | |
| 4. | Gender: Male and Female | Use radio buttons and initially option male is selected | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5. | Customer Account type: Basic and Privileged | Use input tag list attribute | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6. | Photo | Only accept image files | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7. | Email | Use appropriate input tag type attribute | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8. | Password | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9. | Confirm Password | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10. | Homepage URL | Use appropriate input tag type attribute | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11. | Reset Button | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12. | Submit button | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. | <p>CSS Concepts:</p> <p>Implement the Web Pages that demonstrate following concepts:</p> <p>A. Font properties</p> <p>B. Background properties</p> | 2 | CLO 1 CLO 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5. | <p>Create the web pages that demonstrate following concepts:</p> <p>A. Demonstrate various border styles on HTML elements. Also develop code for following figures:</p> <div></div> <p>Figure 1</p> | 4 | CLO 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | |



B. Develop code on four div elements as shown figures:



C. Demonstrate Box shadow, Margin, Padding and Outline properties.

6. Create the web pages that demonstrate following concepts:

2

CLO 2

A. Develop HTML code that displays horizontal navigation menu bar using unordered list.

B. Demonstrate Table and Column properties. Refer the following figure as **sample**:

VALUE OF FRUITS IN RUPEES PER KG OR PER UNIT.

| FRUIT CROPS | YEAR | | DESCRIPTION |
|---------------|------|------|--|
| | 2016 | 2017 | |
| Mango | ₹75 | ₹85 | Mangoes are juicy stone fruit (drupe) from numerous species of tropical trees belonging to the flowering plant genus <ul style="list-style-type: none">• Mangifera, cultivated mostly for their edible fruit.•• |
| Lychee | ₹23 | ₹25 | The lychee is the most renowned of a group of edible fruits of the soapberry family, Sapindaceae. It is botanically designated Litchi chinensis Sonn. <ul style="list-style-type: none">••• |
| Banana | ₹18 | ₹20 | The banana plant is the largest herbaceous flowering plant. All the above-ground parts of a banana plant grow from a structure usually called a "corm". <ul style="list-style-type: none">••• |
| Pomelo | ₹45 | ₹50 | The pomelo, Citrus maxima or Citrus grandis, also called pomello, pummelo, batabi or jambura (Bengali), is a natural (non-hybrid) citrus fruit, similar in appearance to a large grapefruit, native to South and Southeast Asia. <ul style="list-style-type: none">••• |

REPORT FOR THE YEAR 2016 AND 2017

Caption: Fruit Table

7. A. Create following HTML page using content and counter CSS properties as shown in figure:

2

CLO 2

| | | | |
|----|--|---|-------|
| | <p>Section 1. HTML tutorials 1.1 HTML Tutorial 1.2 XHTML Tutorial 1.3 CSS Tutorial</p> <p>Section 2. Scripting tutorials 2.1 JavaScript 2.2 VBScript</p> <p>Section 3. XML tutorials 3.1 XML 3.2 XSL</p> <p>B. Create following HTML page using various CSS properties:</p> <p>THIS IS PARAGRAPH 1. Some text.....</p> <p>THIS IS PARAGRAPH 2. Some text.....</p> <p>THIS IS PARAGRAPH 3. Some text.....</p> <p>PARAGRAPH 4. This is hyperlink without underline. Link:Home Page</p> <p>C. Implement the CSS animation on div element that change it's shape from square to circle for half time and change the shape from circle to square for remaining half time. Animation must execute for infinite time.</p> <p>D. Implement the CSS transition on grey colored rectangle division. Once take mouse over the division, perform following effects on division:</p> <ol style="list-style-type: none"> Create border using box shadow concept Change shape to ellipse Change background color to red | | |
| 8. | <p>JavaScript Concepts:</p> <p>A. Write a script that outputs HTML text that displays in the HTML document a checkerboard pattern, as follows</p> <pre> * </pre> <p>B. Write a JavaScript that read a set of N single digits and convert them into single decimal integer. For example the script should convert the set of 4 digits {9,3,1,6} to decimal integer 9316.</p> | 2 | CLO 3 |

| | | | |
|-------|---|----|----------------|
| 9. | <p>A. Create a JavaScript that merge two arrays without duplicating elements.</p> <p>B. Develop a JavaScript function to humanized number (Formats a number to a human-readable string.) with the correct suffix such as 1st, 2nd, 3rd or 4th upto number 10. (Hint: If user enter 8 than output will be 8th. If user enter 1 than output should be 1st)</p> <p>C. Implement a JavaScript function that obtain a list of person names from the user, store each name in an array. When user enters "END", it terminates scanning. Sort the name into ascending order and then display each name in new line on web page.</p> | 4 | CLO 3 |
| 10. | <p>A. Write a JavaScript to display the current date, current time and display appropriate greeting message according to time slot. (Hint for message: Good Morning, 01/06/2018 09:00:00 AM)</p> <p>B. Design the web page that includes the various types of JavaScript validations like</p> <ul style="list-style-type: none"> i) IP address ii) Alphanumeric values only iii) Date in DD/MM/YYYY format iv) Special symbol restriction v) Email must be in proper form. vi) Phone number should be minimum of 10 digits vii) Required field validation viii) Password and retype password must be same | 4 | CLO 3 |
| 11. * | <p>A) Create a script that displays a digital clock.</p> <p>B) Write a script that shows how to search a string for the browser type and then take appropriate action. This uses regular expressions to match the exact contents of the string between the 2 "/"s.</p> | 2 | CLO 2 |
| 12. * | <p>A) Write a script that demonstrate the alert(), confirm() and prompt() methods.</p> <p>B) Create a script that shows how to have a form text field entered by the user, and when the user wants (presses button) the JavaScript will figure out how many times "in" occurs in the text.</p> | 2 | CLO 3 |
| 13. * | <p>A) Create a script to determine frequency of a character in a string.</p> <p>B) Write a script to implement a Toggle Button with Image Replacement.</p> | 2 | CLO 2 |
| 14. * | Demonstrate CSS transitions properties. | 2 | CLO 1 CLO 2 |
| 15. * | Design a Biodata page whose content can be changed using JavaScript like events. | 2 | CLO 3 |
| | Total hours | 40 | |