

Dharmsinh Desai University
MCA Semester – 3 (2024-25)
23MCA3001 – Advanced Web Development

Practical - 4

Prerequisite: Perform the programs given in the Lab. manual provided during the regular classroom sessions.

1. Write appropriate HTML-JavaScript-jQuery-AJAX code for the following requirements:
 - a. Write HTML code to create three HTML div elements of different sizes. Write jQuery code to modify size of all div elements.
 - b. Create an HTML button. Write jQuery code to create an HTML div element with user specified height and width – when the button is clicked. (Note: Must write all jQuery code in document.ready() method only.)
 - c. Create an HTML button. Write jQuery code to perform following operations when the button is clicked: (i) delete all div elements which were been created in the question 1-a, and (ii) hide all div elements which were been created in the question 1-b. (Note: Must write all jQuery code in document.ready() method only.)
2. Write appropriate HTML-JavaScript-jQuery-AJAX code for the following requirements:
 - a. Store your address in a text file address.txt
 - b. Create an HTML page myself.html with a button ‘Show address’. When the button is clicked, display contents of the file address.txt in the page myself.html without a page refresh.
3. Write appropriate HTML-JavaScript-jQuery-AJAX code for the following requirements:
 - a. Create a well-formatted and basic-attractive HTML file marksheet.html with the following contents:
 - i. an HTML table to show subject viz. marks obtained. The table may contain columns: sr. no., subject-name, max. marks, marks obtained.
 - ii. total marks obtained
 - iii. percentages obtained
 - b. Create a well-formatted and basic-attractive HTML page student.html with the following contents:
 - i. Create an HTML button ‘Show marksheet’, when clicked display contents of webpage marksheet.html in the webpage student.html without a page refresh.
 - ii. Create an HTML button ‘Show address’, when clicked display contents of a file adress.html in the webpage student.html without a page refresh.
4. Using suitable example, explain loading JSON data available in some marks.json file using jQuery AJAX into a webpage.
5. Demonstrate usage of various ajax events in the program performed by you for solving the question no. 3.
6. Demonstrate usage of various ajax events in the program performed by you for solving the question no. 4.

Case study:

Implement a 'Dynamic Html Table' with following functionality using html/jquery/ajax:

- The HTML table should have four columns with headings: RollNo., Name, Gender, Age.
- By default, the table should have two rows: with an editable text box in each cell in each row.
- Create two buttons with values: 'Insert Row' and 'Delete Current Row'.
- When clicked 'Insert Row', append a new row in the table.
- When clicked 'Delete Row', delete current row. Note: The table must contain at least one editable row.
- Provide following validations:
 - In Gender column, valid values are: F, M, O.
 - In Age column,
 - Age can't be negative or zero. Age must be a positive number.
- Turn all rows containing female gender data, to green background.
- Turn respective 'Age' cell style to 'bold' if the student is minor.
