ASSIGNMENT - II

Course Name: Internet and Web Technology

Semester: MCA IV Semester

1) Create a calculator with digit buttons and *, /, +, -, = buttons. There will be a textbox as calculator screen, which will be updated according to the clicked button. The result will also be shown on the calculator screen, on clicking = button.

2) Read date of some event from a datepicker in HTML, and calculate its age using Date library of Javascript, on date selection. Populate a textbox below the datepicker with the calculated age, whenever someone will select a date.

3) Create a Grocery List application using Javascript. On the HTML page, there will be two textboxes for item and price. There will be an "Add" button, that will add that item along with its price to a grocery list (a table) shown below the textboxes and "Add" button. The list will show total price as the last row, and will be updated on each addition. Each row in the table will also have a delete button at the end, that will delete the item from list dynamically, and will update the total price as well.

4) Create an HTML form that will input name, password, repeat password, email, dob field. On submit, Javascript will validate the password, such as checking whether password and repeat password are same, password should be of more than 8 characters, and it must contain at least one digit, at least one uppercase alphabet, and at least one lowercase alphabet.

5) Create a cascading dropdown, where one will have to first select a Subject, then based on the subject, Topics will be populated, and then on the basis of selected topic, Chapters will be populated. In the implementation, available Subjects will be Front-end and Back-end. In Front-end, available topics will be HTML, CSS, Javascript, and in Back-end, available subjects will be NodeJS and PHP. In HTML, Chapters will be Links, Images, Tables, Lists. In CSS, Chapters will be Borders, Margins, Backgrounds. In Javascript, Chapters will be Variables, Operators, Arrays, Objects. In NodeJS, Chapters will be NPM, HTTP, Express. In PHP, Chapters will be Strings, Arrays, Regex.

Cascading Dropdown Example

Subjects: [Select subject ▾]

Topics: [Please select subject first ▾]

Chapters: [Please select topic first ▾]

[Submit]