

SSN College of Engineering, Kalavakkam
Department of Computer Science and Engineering
VI Semester - CSE 'B'
UCS1611 INTERNET PROGRAMMING LAB

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Exercise 3: JavaScript event handling mechanisms, DOM

1. Generate a registration form for a hospital to register new patient details as below:
 - a. Assign a title for the registration form (TextView- textSize, textStyle, typeface)
 - b. Name. Specify some font and colour. (text, onFocus, onBlur, onInvalid)
 - c. Address (textarea, onSelect)
 - d. Age (onkeypress)
 - e. Date of Birth (date)
 - f. Gender (RadioButton)
 - g. Marital Status (select, onChange)
 - h. Contact Number (onInvalid)
 - i. Addiction (text area, use drag and drop from a list-select)
 - j. Display a digital clock on the top right corner of the webpage
 - k. Submit (Button, onClick create a new page and display the contents in table format)
 - l. Reset (Button, onClick)

Validate the form elements. Ex: Name should be only alphabet, address only alpha-numeric character. "required" for all fields etc.

2. Write a JS program to develop a memory matching game.
 - a. Display a timer, Score card.
 - b. Arrange even number of pairs. (Minimum 5)
 - c. Shuffle the cards, face down, in rows.
 - d. Score card changes whenever a pair is found.
 - e. On click a card, it should flip (event handling).
 - f. When a match is found, remove the cards using DOM.
 - g. Set 3 levels.
 - h. When the player moves to next level, set a new timer with less time duration.
 - i. Mandatory concepts – Event handling, DOM.