VIT

Vellore Institute of Technology

SCHOOL OF COMPUTER SCIENCE ENGINEERING AND INFORMATION SYSTEMS

CAT II

B. Tech – Information Technology

Winter Semester - 2023-24

Course Name: Web Technologies | Duration: 90 Minutes

Course Code: BITE304L | Max. Marks: 50

Slot : D2+TD2

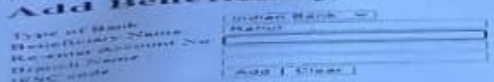
Answer ALL questions (5*10=50 Marks)

1. a) Write a Javascript function leetspeak() which accepts a string as a parameter and returns a "leetspeak" version of the string. Leetspeak" is an internet slang in which various English letters are replaced with other ASCII characters similar in appearance. The following table shows some common leetspeak translations.

English	A	E	G	L	O	S	T
Leetspeak	4	3	9	1	0	5	-

b)Write a Javascript function daysInMonth that takes a month (between 1 and 12) as a parameter and returns the number of days in that month in a non-leap year. For example, a call to daysInMonth(6) should return 30, because June has 30 days.

2. Write the JQuery code for the following form validation using the id values of the form fields given in brackets



i. Beneficiary name can have only alphabets. (#name)
ii. Account number should be exactly 11 digits.(#accno)
iii. On changing the Account number, Re-enter Account No field(#reacc) should be visible and
Account No field should be hidden (as shown above)
iv. Account No and Re-enter A alues should be same.
v. IFSC code(#ifsc) should b DCDD, where C stands for uppercase alphabet and D stands
for digit (Ex: IDIB000A

3. Write the JavaScript code for th d functionality of a web page.

i. Initially, there is a textbox that takes input from the user and adds it to an unordered list by clicking the 'Add Item' button.
ii. After adding the item to the list, clear the input field.
iii. There is a button titled 'Swap First and Last Element' which is visible after at least two entries are made. On clicking the button, the first and last items should be swapped. Also, the color of the text of the swapped items should be changed to blue.

4. Write the AngularJS code to develop a web application to add event behavior to the following web page. The page contains an area with five images of baby Geneva and a "Favorites" area.
   i. Your code should arrange it so that when one of these five images is clicked, that image will be moved to the rightmost end of the favorites area.
   ii. Also, when an image is moved, a bullet is added to the end of the actions list indicating this. The bullet's text should be, "Moved [image] to favorites." where [image] is equal to the src attribute of the image moved.
   iii. Nothing should happen when the user clicks on any other content on the page, such as text or other images such as the pacifier.
   iv. Assume that the user won't click on an image that is already in the Favorites.

The following is the page's initial appearance and appearance after clicking images #1 and #5

5. Write the JQuery code to display the menu items using JSON data.
   - A drop-down list is provided with 3 choices, namely, Starters, Soups and Main Course. On selecting any of the values, the menu should be displayed in a division in the following format.

i. The value selected should be displayed in h1 prefixed with "Menu – "
ii. The list of items should be displayed in an unordered list along with the price prefixed with 'Rs.' and aligned to right.
iii. Non-veg items should be displayed in red and veg items should be displayed in green

- The JSON data returned has an array of food types. Each food type has an array of food items that contain the name, price, and type of food.

{
"Soups": [{"Name":"Chicken Soup","Cost" : 150,"type": "Non-veg" },
{"Name":"Sweetcorn Soup","Cost" : 120,"type": "Veg" },
{"Name":"Mutton Soup", "Cost" : 150,"type": "Non-veg"}],
"Starters":[{"Name":"Gobi Manchurian","Cost" : 170, "type": "Veg"},
{"Name":"Chicken Tikka","Cost" : 270,"type": "Non-veg"},
{"Name":"Dragon Chicken","Cost" : 299,"type": "Non-veg"}],
"Main Course":[{"Name":"Chicken Biriyani","Cost" : 280,"type": "Non-veg"},{"Name":"Mutton Biriyani", "Cost" : 380,"type": "Non-veg"},
{"Name":"Mushroom Fried Rice","Cost" : 249,"type": "Veg"},
{"Name":"Veg Fried Rice","Cost" : 200,"type": "Veg"}]
}

Starters

Menu – Starters

Gobi Manchurian	Rs. 170
Chicken Tikka	Rs. 270
Dragon Chicken	Rs. 299