

## Lab-Sheet-2: Implementing HTML List and Table

1. Design a page that contains the syllabus of Web Technology using the concept of ordered and ordered list.

*For Example:*

**Course Description:** This course introduces basic elements of the design and analysis of computer algorithms. Topics include asymptotic notations and analysis, divide and conquer strategy, greedy methods, dynamic programming, basic graph algorithms, NP-completeness, and approximation algorithms. For each topic, beside in-depth coverage, one or more representative problems and their algorithms shall be discussed.

**Course Objectives:**

- Analyze the asymptotic performance of algorithms.
- Demonstrate a familiarity with major algorithm design techniques
- Apply important algorithmic design paradigms and methods of analysis.
- Solve simple to moderately difficult algorithmic problems arising in applications.
- Able to demonstrate the hardness of simple NP-complete problems

**Course Contents:**

### **Unit 1: Foundation of Algorithm Analysis (4)**

- 1.1. Algorithm and its properties, RAM model, Time and Space Complexity, detailed analysis of algorithms (Like factorial algorithm), Concept of Aggregate Analysis
- 1.2. Asymptotic Notations: Big-O, Big- $\Omega$  and Big- $\Theta$  Notations their Geometrical Interpretation and Examples.
- 1.3. Recurrences: Recursive Algorithms and Recurrence Relations, Solving Recurrences (Recursion Tree Method, Substitution Method, Application of Masters Theorem)

### **Unit 2: Iterative Algorithms (4)**

- 2.1. Basic Algorithms: Algorithm for GCD, Fibonacci Number and analysis of their time and space complexity
- 2.2. Searching Algorithms: Sequential Search and its analysis
- 2.3. Sorting Algorithms: Bubble, Selection, and Insertion Sort and their Analysis

2. Prepare the restaurant menu using List tag and heading tags. Also apply some sorts of formatting in the menu.(you can also use table tag to generate the menu).

<b>CHINESE</b>			
<b>SOUPS - VEG</b>		<b>STARTERS - VEG</b>	
Veg Sweet Corn Soup	125	Veg Crispy	190
Sweet Corn Mushroom Vegetable	125	Veg Hot Garlic	190
Veg Wonton/Noodle Soup	125	Veg Manchurian	190
Veg Hot n Sour Soup	125	Veg Crispy	190
Veg Talumein/Tum Yum Soup	125	Assorted Vegetable Hot Pepper	190
Veg Beijing/Hot Pot Soup	125	Veg Spring Roll	200
Veg Manchow Soup	125	Veg Wonton Fry	200
Veg Lemon Coriander Soup	125	Baby Corn Chilly	210
Veg Crispy Rice Soup	125	Mushroom Chilly	210
Veg Chef's Special Soup	130	Crispy Garlic Mushroom	210
		Crispy Garlic Baby Corn	210
		Butter Garlic Mushroom	210
		Butter Garlic Baby Corn	210
		Corn Chilly Pepper	210
		Paneer Chilly	260
		Chilly Pepper Paneer	260
		Paneer Hot Pan	260
		Paneer Shanghai	260
		Paneer 65	260
		Paneer Hunan	260
		Paneer Red Pepper	260
<b>SOUPS - NON VEG</b>		<b>STARTERS - NON VEG</b>	
Chicken Thukpa Soup	145	Chicken Chilly	260
Chicken Crispy Rice Soup	145	Chicken Pepper	260
Chicken Tum Yum Soup	145	Chicken Crispy	260
Chicken Sweet Corn Soup	145	Chicken Hot Pan	260
Chicken Wonton Soup	145	Chicken Shanghai	260
Chicken Lemon Coriander Soup	145	Roast Chicken/Choice of Sauce	260
Chicken Hot n Sour Soup	145		
Chicken Manchow Soup	145		
Chicken Thai Soup	145		
Chicken Talumein Soup	145		
Chicken Lung Fung Soup	145		
Sea Food Soup	160		
Prawns Manchow Soup	160		
Prawns Wonton Soup	160		
Fish Manchow Soup	160		

3. Use HTML to create a Mark-Sheet as shown in figure.

First Terminal Examination																																													
PROGRESS REPORT SHEET																																													
NAME OF STUDENT				REGD. NO.																																									
CLASS				ROLL NO.																																									
SUBJECTS	* CR HR	MARKS IN TERM 50 %				* CAS 50%	REMARKS																																						
		FULL MARK	* OM	FINAL GRADE	GRADE POINT																																								
1 Nepali	4	50	30	B	2.8	A																																							
2 English	4	50	45	A+	4.0	A																																							
3 Mathematics	4	50	32	B	2.8	B																																							
4 Science	4	50	38	B+	3.2	B																																							
5 Social Studies	4	50	24	C	2.0	B																																							
6 Computer Science/GK	4	50	44	A	3.6	B																																							
7 English Language	4	50	42	A	3.6	B																																							
<b>TOTAL</b>		28	350	255																																									
<b>GRADE POINT AVERAGE (GPA) :</b>					3.14																																								
<b>AVERAGE GRADE :</b>					B+																																								
<b>Percentage</b> 72.86 <b>Position :</b> 1 <b>Total Student :</b> 19 <b>Attendance :</b> 0 / 0		<b>Grade Description CAS</b> <table border="1"> <tr> <th>Interval in Percent</th> <th>Grade</th> </tr> <tr> <td>70 to 100</td> <td>A</td> </tr> <tr> <td>40 to below 70</td> <td>B</td> </tr> <tr> <td>0 to below 40</td> <td>C</td> </tr> </table>		Interval in Percent	Grade	70 to 100	A	40 to below 70	B	0 to below 40	C	<b>Grade Description In Term</b> <table border="1"> <tr> <th>Interval in Percent</th> <th>Grade</th> <th>Grade Point</th> </tr> <tr> <td>90 to 100</td> <td>A+</td> <td>4.0</td> </tr> <tr> <td>80 to below 90</td> <td>A</td> <td>3.6</td> </tr> <tr> <td>70 to below 80</td> <td>B+</td> <td>3.2</td> </tr> <tr> <td>60 to below 70</td> <td>B</td> <td>2.8</td> </tr> <tr> <td>50 to below 60</td> <td>C+</td> <td>2.4</td> </tr> <tr> <td>40 to below 50</td> <td>C</td> <td>2.0</td> </tr> <tr> <td>30 to below 40</td> <td>D+</td> <td>1.6</td> </tr> <tr> <td>20 to below 30</td> <td>D</td> <td>1.2</td> </tr> <tr> <td>0 to below 20</td> <td>E</td> <td>0.8</td> </tr> </table>				Interval in Percent	Grade	Grade Point	90 to 100	A+	4.0	80 to below 90	A	3.6	70 to below 80	B+	3.2	60 to below 70	B	2.8	50 to below 60	C+	2.4	40 to below 50	C	2.0	30 to below 40	D+	1.6	20 to below 30	D	1.2	0 to below 20	E	0.8
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* CAS - Continuous Assessment System * CH HR - Credit Hour      * OM- Obtain Mark																																													
<b>REMARKS</b> Very Good																																													
CHECKED BY		CLASS TEACHER			PRINCIPAL																																								

4. Design your classroom routine to implement the Table element of HTML.

Routine (BSc CSIT) 5 <sup>th</sup> Semester (Batch 2075)						
	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
10:00-11:00	Cryptography	Cryptography		Cryptography		Cryptography
	Simulation	Simulation	Simulation	Simulation	Simulation	Simulation
11:15-12:15				Cryptography		
12:15-1:15	Cryptography	Cryptography	Image Processing			Image Processing
1:15-1:30	SHORT-BREAK					
1:30-2:30	Image Processing	Image Processing System Analysis Design	System Analysis Design Image Processing	Image Processing System Analysis Design	Image Processing System Analysis Design	System Analysis Design
2:30-3:00	SNACKS TIME					
3:00-4:00	System Analysis Design	Design Analysis and Algorithm	System Analysis and Design	Design Analysis and Algorithm	Design Analysis and Algorithm	Web Technology Design Analysis and Algorithm
4:00-5:00	Web Technology Design Analysis and Algorithm	Web Technology	Web Technology Design Analysis and Algorithm	Web Technology	Web Technology Design Analysis and Algorithm	Web Technology

PR-Gr Practical Group

TH- Theory

5. Create the registration form in HTML. Your form should include tables, file browsing, and all other form elements: Text-box, Password, Radio-button, Checkbox, Dropdown list, button, text-area and so on.
6. Implement different HTML Events: Windows Event, Keyboard Event, Mouse Event and Form Element Event.