



Daffodil International University  
**Department of Computer Science and Engineering**

Faculty of Science & Information Technology

Midterm Exam Examination, Spring 2021 @ DIU Blended Learning Center

Course Code: CSE417 (Day), Course Title: Web Engineering

Level: 4 Term: 1 Section: P, Q

Instructor: CAA Modality: Open Book Exam

Date: Sunday 10 March, 2021 Time: 09:00am-11:30am

Two and half hours (2:30) to support online open/case study based assessment Marks: 25

**Directions:**

- Students need to go through the CASE STUDY shown in this exam paper.
- Analyze and answer specific section based on your own thinking and work.
- Do not share as this will be treated as plagiarism by Blended Learning Center.

**Part-A[15]**

1. Implement the following structure by using proper html/css elements/tags you have learned. [5]

1	2	3	4	5	6	7	8	9
10	Uppercase	A	B	C	D	E		
F	G	H	I					
J	k	L						

2. Do the following thing using javascript. First there is a headline after that there is a form where the first field is for taking a year or string as a input. After that there is a dropdown list, where there are two options named: **Leap year**, **Alphabetically order**. Beside the dropdown list there is a button named Calculate. And the result will be shown in the Result field.

# Calculate Leap Year and Alphabetically order of a string

Enter the Year or String:     
Result:

For example, you enter **2021** in the input field and select a option name ‘**Leap year**’ and press the calculate button and in the output field it will show you either ‘**it’s a leap year**’ or ‘**it’s not a leap year**’. And then if you enter a string like “ exam ”, after pressing calculate button is will show the alphabetic order of the string like “aemx”. The output of this two options is also given below: [10]

## Calculate Leap Year and Alphabetically order of a string

Enter the Year or String:     
Result:

## Calculate Leap Year and Alphabetically order of a string

Enter the Year or String:     
Result:

### Part-B[10]

1. [Passage: Suppose, you are a Software Test Manager of a company, you are assigned to test a software named “Triangle Analyzer”]

How will you test the functional requirements of that software? Explain your answer. [5]

2. Suppose you have requested for a web page to the server where there are 2 videos, 5 html files and 5 png images. Which steps will be followed to get that web page by using HTTP persistent connection to you from the web server? [5]