



Daffodil International University
Department of Computer Science and Engineering
Faculty of Science & Information Technology
Midterm Exam Examination, Fall 2021 @ DIU Blended Learning Center
Course Code: CSE417 (Day), Course Title: Web Engineering
Level: 4 Term: 1 Section: All
Instructor: All Modality: Open Book Exam
Date: Monday 15 November,2021 Time: 09:00am-11:30am
Two and half hours (2:30), Marks: 25

1. (a). Create a style sheet for the following design and link it to the HTML files. Style the sheet using the properties we covered in the lecture. For Styling the following table design follow the instructions: [12]

- The table should be styled using at least three attributes
- **In Team Name Attribute:** Create your own team name (Don't Copy others).
- The table headings should have a background color, and at least one other property
- Style the table so that the text in the first column is left-aligned and the text in the other two columns is centered
- Set the opacity of the table rows to a value between .6 and .8 (make sure it is still visible)
- Change the opacity of a row when it is hovered over.

(b) Can JavaScript Change HTML elements? Describe it with the following example?

Before Click: `<html><div id="can_change1"> put your id and name </div></html>`

After Click: `<html><div id="can_change2"> Daffodil International University </div></html>`

2. (a) For P2P DISTRIBUTED SYSTEMS, do you agree with the statement, "There is no notion of client and server sides of a communication session"? Summarize your opinion. [2]
- (b) Suppose you need some historical data from a web page. So you start searching for that data and you get that data as a web page. How was your request sent to the server and how do you get the data as a web page? Explain your answer. [2]

3. (a) Suppose you are working as a system designer in a web development organization. You got a client who wants you to develop an online job recruitment system. Now, you are entitled to design the system based on the client's requirements. To decode the client's requirement, you have been allotted 8 min from your client. Therefore, you have to brief but understand the whole requirement process. Your CEO has asked you to give a set of questions that should not go beyond four questions with an appropriate justification for each question. List down four such questions with appropriate justification for why it's necessary and how it will help understand the system's workflow. [3]

(b) Before delivering the above product, what will be the steps followed in furnishing the system to ensure no problems at the client's end and which testing will be appropriate? [2]

4. A student named 'Karim' wanted to learn Javascript. First, he went to his friend to learn JS and his friend explained to him about JS but he needed more explanation and examples to learn it properly so he started to find info from the internet and got different popular web pages from where he learned a lot. In that webpage, he got different images and text at a time. Which type

of protocol is used here and how it works and what type of message did 'Karim' receive when he browsed for information about JS? Demonstrate your answer.[4]