Daffodil International University

Department of Computer Science and Engineering

Faculty of Science & Information Technology

Midterm Examination, Fall 2020 @ DIU Blended Learning Center

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

Level: 4   Term: 1   Section: PC-A, PC-B

Instructor: MMR   Modality: Open Book Exam

Date: Tues, 10 November, 2020   Time: 02:00-06:00pm

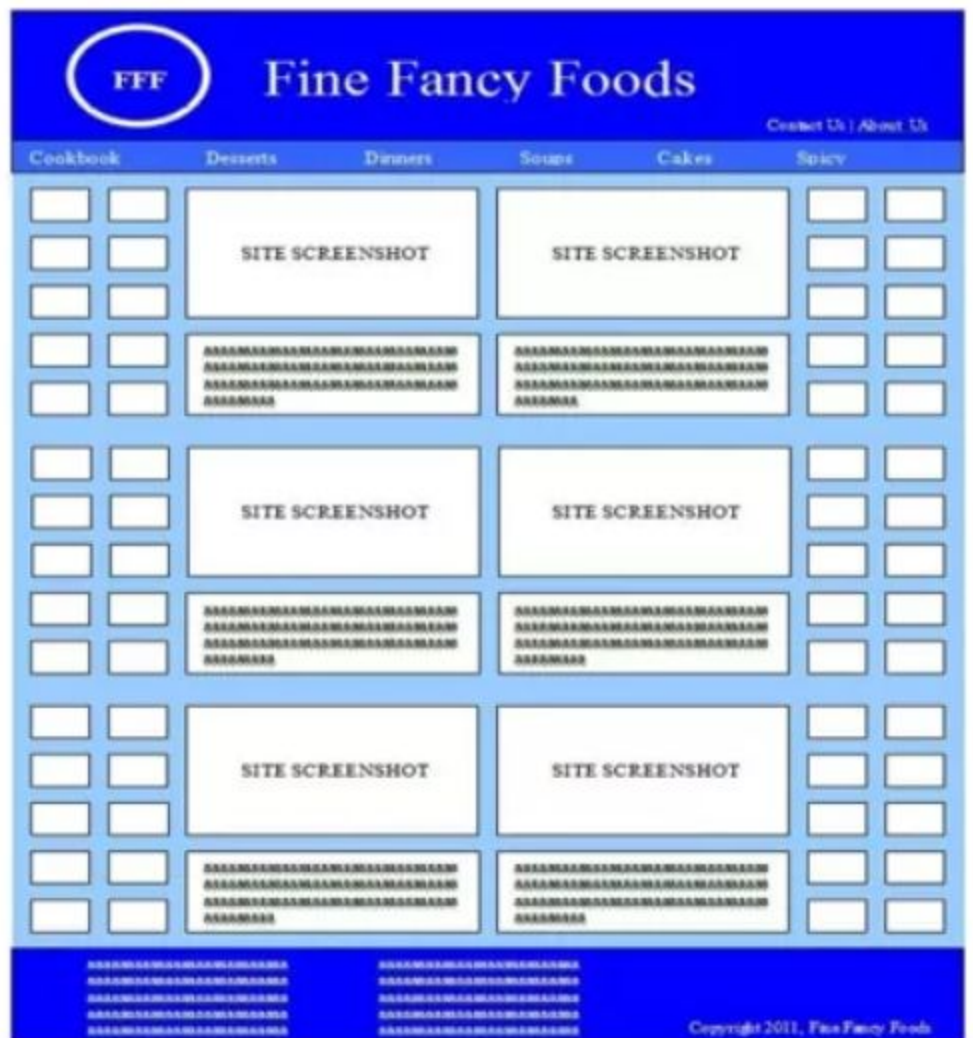**Four hours (4:00) to support online open/case study based assessment   Marks: 25**

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

A. Suppose you are an organizer of your upcoming National Programming Events in DIU. You need registered participants. You have an option to use a google form to register your participants. But the university will not allow implementing google form. You have another option. You already completed web design courses. You have a better knowledge of how to design a form to register users in your own system. Now develop a registration form with CSS design (Name, Id, School/University, Gender, Mobile No, Email, Fee, Address) to register participants. 5

B.

1. Style the following layout using the properties we covered in the lecture. There is a particular emphasis on pseudo-elements and pseudo-classes. There is an opportunity to use some properties we didn't cover in class.   8

C. Let's say, we have some designful layout. We want to change the css style which is currently used in this layout. What is the way to change the CSS design. Describe with an example? Write a javascript program to calculate the Area of triangle. 4

D. You want to download 10 jpeg images from the server. What type of HTTP connection will you use in this regard and why? Explain with proper diagrams. 4

E. Mr. X wants to do business online. But he needs ecommerce software. That's why he is concerned with the Data Soft Company. The company asked Mr. X what is your demand. Listed below some requirements which are needed for further development. Also design a web page using Mock Concept. 4