



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: PC-D

Instructor: Md Assaduzzaman 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.

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1. Rahim is studying in CSE .He wants to build his career in web development. But He does not know the application of web development properly. More over, One of his friend tell him that the future of web development is not so good for building career because of mobile application. Now answer the following questions. [2+2]

- a) Can you help her by describing briefly about the application of Web development?
- b) Will mobile application replace the website in near future? Justify your answer with proper example?

2. Suppose, you work as an analyst in a reputed software company that creates multi functional website. Now, your team leader tells you develop a online banking system. As a developer you know, there are lots of advantages of online banking. For, Example, online banking is fast and efficient. Funds can be transferred between accounts almost instantly, especially if the two accounts are held at the same institution. Consumers can open and close a number of different accounts online, from fixed deposits to recurring deposit accounts that typically offer higher rates of interest and many more. On the other hand, online banking security should be better, such accounts are still vulnerable when it comes to hacking. Consumers are advised to use their own data plans, rather than public Wi-Fi networks when using online banking, to prevent unauthorized access. Now answer the following question. [1+2+3+3]

- a) Who are the stakeholder from the above scenario?
- b) Do you need any requirement engineering? Why?
- c) Explain with required engineering for the process of elicitation, specification , verification and validation for the given scenario.
- d) What are the functional and non-functional requirement for the given scenario?

3. Can javascript change HTML elements? Describe with example [2]

4. Mr. Rahim has a business for selling flowers. Because this pandemic, he is facing various problems to sell flowers. One day after watching advertisement in television, he has planned to sell flowers online. That's why he needs a web developer for creating a website for selling flowers online. First he hires a developer after observing the home page design. His requirement for the homepage are as: the title of homepage "Online Flower Selling", summary about business, location details, various flower's image, price list copyright issues etc. Suppose you are reputed developer and your task is develop the home page only using HTML/CSS.(You have to just design the web page, You can add any information and image name, location etc. for making the home page more attractive) [5]

5. Implement the following structure by using proper html/css elements/tags you have learned. Are there any alternatives to your approach? Justify the reason behind the approach you have chosen. [5]

