



Daffodil International University  
Faculty of Science & Information Technology  
Department of Software Engineering  
Midterm Examination, Fall-2025

Course Code: SE 235 Course Title: Desktop and Web Programming

Sections & Teachers: 42 (A, B, C, D, E, F, G, H, I, J) (MHN, PAS, AG, IJC, ZNM)

Time: 1:30 Hours

Marks: 25

Answer ALL Questions

[The figures in the right margin indicate the full marks and corresponding course outcomes. All portions of each question must be answered sequentially.]

1.	a)	<p>While making a registration form for the members of the computer club, Samin was facing difficulty to properly align all the elements of the form. Then Medha suggested him to use a table to structure the form.</p> <p><b>Structure</b> an HTML registration form for computer club members using a table layout. The form should include:</p> <p>a) Name b) Phone number c) Date of birth d) Gender (radio buttons) e) Department (dropdown) f) Self-introduction (textarea) g) Areas of interest (checkboxes) h) Submit button.</p>	[Marks-5]	CLO-2 Level-4
2.	a)	<p><b>Elaborate</b> specificity and cascading in CSS with necessary example in context of responsive layout.</p>	[Marks-5]	CLO-1 Level-2
	b)	<p>You are developing a small web tool for <i>Matrix agents</i> to verify secret codes.</p> <p>Each agent enters a code — for example: "neoTheOne"</p> <p><b>Interpret</b> a JavaScript program that:</p> <ol style="list-style-type: none"><li>Takes the agent's code as input. ✓</li><li>Checks the length of the code. ✓</li><li>Displays a message in the console:<ul style="list-style-type: none"><li>If the code is less than 5 characters, show: "Code too short"</li><li>If the code is 5 to 10 characters, show: "Code accepted"</li><li>If the code is more than 10 characters, show: "Code too long"</li></ul></li></ol> <p><b>Example Output:</b></p> <p>Input: "neo" Output: "Code too short"</p> <p>Input: "neoTheOne" Output: "Code accepted"</p> <p>Input: "NeoTheOne123" Output: "Code too long"</p>	[Marks-5]	

3.	<p>a) <code>&lt;body&gt;</code>  <code>&lt;h2&gt;The Matrix Fan Registration&lt;/h2&gt;</code>  <code>&lt;form&gt;</code>  <code>&lt;label for="name"&gt;Name:&lt;/label&gt;</code>  <code>&lt;input type="text" id="name" name="name"&gt;&lt;br&gt;&lt;br&gt;</code>  <code>&lt;label for="quote"&gt;Favorite Quote:&lt;/label&gt;</code>  <code>&lt;input type="text" id="highlight" name="quote"&gt;&lt;br&gt;&lt;br&gt;</code>  <code>&lt;label for="email"&gt;Email:&lt;/label&gt;</code>  <code>&lt;input type="email" id="email" name="email"&gt;&lt;br&gt;&lt;br&gt;</code>  <code>&lt;button type="submit"&gt;Enter the Matrix&lt;/button&gt;</code>  <code>&lt;/form&gt;</code>  <code>&lt;p class="creator"&gt;Created by The Wachowskis&lt;/p&gt;</code>  <code>&lt;/body&gt;</code></p> <p><b>Blueprint</b> the web page that meets following design criteria:</p> <ol style="list-style-type: none"> <li>I. Apply a dark background and light text to the entire page.</li> <li>II. Give the "Favorite Quote" input field a glowing green border.</li> <li>III. Style the "Created by" text in light blue and italic.</li> <li>IV. When hovering over the submit button, change its background to bright green and text to black.</li> <li>V. the first letter of the heading larger and neon green.</li> </ol>	[Marks-10]	CLO-2 Level-4
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