Nonk Marks Split Assignment Score Rubics Fan design Ausignment-I Button dusign Q-1 Feathous of HTML 2 FAIM design Validation 24000 layout, Layout design 5 Q-3 Cue back ground Assignment -1 FAM design layout design 4 Q-4 Nouigation means Fan design 0-5 ess by out



Course Code /Title: CSA4399 – Internet Programming Programme : Computer Science and Engineering

ASSIGNMENT QUESTIONS

SET -2

1	You are updating a legacy web application to take advantage of modern web standards. The project involves transitioning from an earlier HTML version to HTML5. The goal is to leverage HTML5's new features to improve web development practices and enhance the functionality of web forms.	10	CO1	2
2	Designing a user registration form for a new web application. The form needs to capture essential information such as name, email, and a message from users. It is crucial to implement client-side validation to ensure that the data entered is accurate and complete before the form is submitted.	10	CO1	3
3	Designing a website that needs to function effectively across various devices and screen sizes. The design should include different types of layouts such as fixed, fluid, and responsive. To achieve this, you need to use CSS techniques like Flexbox or Grid to ensure that the layout adapts well to different screen sizes and maintains a consistent user experience.	10	CO1	2
	To create a webpage that offers a seamless user experience across devices, responsive design principles must be applied. This involves using fluid grids, flexible images, and media queries to ensure the layout adjusts gracefully to different screen sizes. For instance, on a desktop, the webpage might display multiple columns with detailed content, while on a smartphone, the same content could stack vertically for easy scrolling. Navigation menus should transform into a hamburger icon on smaller screens, ensuring they remain accessible without taking up too much space. Additionally, touch-friendly elements and optimized images ensure fast loading times and a smooth experience on all devices.		CO1	3
i () () () () () () () () () (Given a scenario (e.g., creating a blog post, a product listing), design a webpage using appropriate elements, tables, lists, and images for optimal readability and user experience. Also, describe step-by-step the sequence of HTTP requests and responses that occur when a user accesses a webpage containing multiple resources (HTML, CSS, JavaScript, images).	10	COI	3

Assignment - 1 You are updating a legacy mub application to take advantage of readorn web standards. The project "unolus transiting from our earlier HTML Version to HTML5. When updating alegacy week application to HTMLS, you can take advantage of sund features & best practices that improve both develophent quiser experience. Semantic Elements: use Sevantic elevents to replace the uon-denantic dues and spans with HTHLS Seventic tags like cheaders; 2 footes >, Louticles, LSection>, Zrav>, and zaside>. This improves the downent stemtime, acus; billing & SEO; Frampli; Thea dury . 2his website title <1h1> 21 headys zur-Zlizza,

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3. Designing a website that needs to trenction thertirely a cross Various denieus and Sous dizes. The design should include different types of layout duch as find fluid and respossible. understanding layout types;-Fired layout! A fired layout uses spentie pirul Values for windth, meaning the byout wary the dans regardless of the Sum size. Fluid layout: A fluid layout uses percentage -bong widths, allowing the layout to adapt to The different suren dizes. Perponsine layout: A responsine layout combines both find and fluid byouts galong cut its rudis quemis, to adapt. to various source dizes, ensuing à consistent un enpireme. Using CSS Tenchniques! -Flexbou Flenbon & Paul for one- directional layouts, where you und to align items along a dingle ones. Guid: CSS guid 18 perfect for two Lines and byouts where both nows and columns are mential. It provide Mole control our ter layout.

Combining layout types: To ocean Fined header with flesh contents, user o principle bods, h+m1f Fluid wagin: 0) padding: 0; rathes · header of with: (00%; layou position whined! promote the state of. tran top: 0; background - wolot: #333; paddin: lopx o; tent - align: center; · nois content of Margin top: 60px ; 1. 1* push contest below the heads */ padding! 20 px, width ! 80%, 1x Fluid width 8/ max winth: 1200 px; 1th coip the cuilth on larger screens +1 rogis reft : auto: Morgin . right: auto! Final thought: By using flowbox & grid in combination with sudia quies, you can wate a flowble, responsine unboite that provides a dearless user exercise a cross a unde sange of dearles.