



Table of Contents

How to use the guide:	3
Introduction	5
Query Resolution Structure	6
Purpose of the module	8
Contact Hours and Indicative Student Workload	8
Teaching and Learning Methods	8
Module Resources	8
Prescribed Resources	9
Prescribed reading:	9
Recommended Additional Resources	9
Textbook(s)	9
Assessment Details	10
Purpose of the project (*WIL)	11
Formative assessment breakdown	11
Summative assessment:	12
Assessment Preparation Guidelines	12
Assessment Release and Submission Week	13
Assessment Strategy	13
Progression	13
Weekly Planner	14
Module Content	15
LU 1	15
HTML	15
LU 2	15
HTML	15
LU 3	15
CSS	15
LU 4	15
JavaScript	15
LU 5	16
Advanced Applications	16
Marking Rubrics	19
Ribliography	33

How to use the guide:

The guide will provide an overview of the syllabus and will deliver the learning outcomes of the module. It will indicate each major topic that will be covered, as well as the learning outcomes of each topic.

The study guide is NOT a replacement for textbooks and should be used in conjunction with the required textbooks.

At the end of each study unit, there will be a summary, followed by several self-assessment questions. These questions will assist you to prepare for the tests and exams. The following icons will be used in the study guide:

	Indicates the sections in the prescribed textbook that the student needs to study
	Indicates activities to be completed
	Indicates group activities to be completed
	Indicates exercises to be completed
2	Indicates revision questions to be completed



Indicates projects to be completed

Introduction

Welcome to the **Core Web Development** module study guide! This module is designed to provide you with a comprehensive understanding of the fundamental principles and practices involved in web development. Throughout this course, you will delve into the world of web development, exploring the core concepts, applications, and technologies that power the modern web.

Focus:

The primary focus of this module is to equip you with the essential knowledge and skills required to build dynamic and interactive websites. You will gain expertise in web development foundations, including front-end and back-end development, database integration, and web security.

Applications:

By mastering Core Web Development, you will be able to create a wide range of web-based applications. These can include but are not limited to:

- Responsive Websites: Develop websites that adapt seamlessly to various screen sizes and devices, providing an optimal user experience.
- E-commerce Platforms: Build robust online stores with secure payment gateways, shopping carts, and inventory management systems.
- Content Management Systems (CMS): Create dynamic websites that allow users to easily update and manage content without technical expertise.
- Web Applications: Develop interactive applications with real-time functionality, such as social media platforms, collaborative tools, and more.
- Web APIs: Design and implement web-based APIs that facilitate data exchange and integration with external systems.

Knowledge:

During this module, you will acquire a diverse range of skills and knowledge, including:

- HTML and CSS: Master the foundational languages for structuring and styling web content.
- JavaScript: Learn the programming language used to add interactivity and dynamic behavior to web pages.
- Databases: Understand the principles of database management and integration with web applications.
- Web Security: Learn about common security vulnerabilities and best practices to protect web applications from attacks.
- Version Control: Familiarize yourself with tools like Git to track changes and collaborate on web development projects (*Optional).

Technologies and Standards:

This module will introduce you to a range of industry-standard technologies and web development frameworks, including but not limited to:

- HTML5 and CSS3: The latest versions of the HyperText Markup Language and Cascading Style Sheets.
- JavaScript: The scripting language and its standardized specification.
- Responsive Web Design: Techniques and frameworks for creating websites that adapt to different screen sizes.

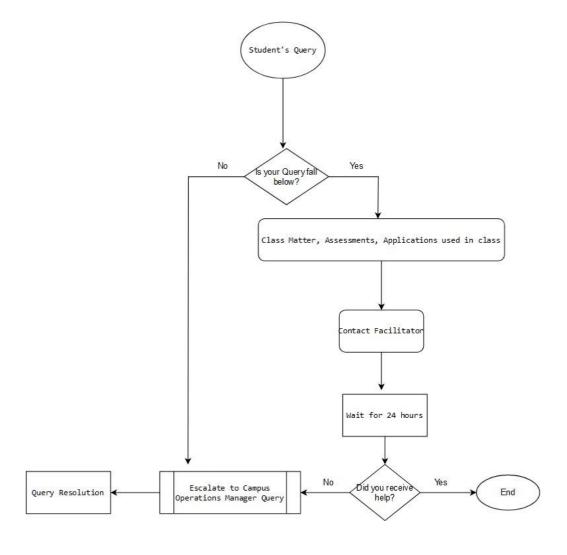
- RESTful APIs: Architectural style for building web services that adhere to standard HTTP methods.
- SQL Databases: Structured Query Language and non-relational database systems.
- HTTP and HTTPS: Protocols for transferring data over the web securely.

By the end of this module, you will have a solid foundation in web development and be well-equipped to pursue advanced topics and specialize in specific areas of interest. Good luck with your studies!

ICT Programming Department Information

The Programming Department is part of the School of Information Technology, which focuses on providing comprehensive and innovative ICT education, training, and research programs to benefit both the industry and society at large. Our department is committed to fostering Passion, Quality, and Professionalism in all aspects of programming and IT education.

Query Resolution Structure:



The College/Department's contact information per Campus is as follows: (This should be followed when there is a query)

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Purpose of the module

The purpose of the CW412 module is to provide students with fundamental and technical knowledge on the HTTP communication protocol, the mark-up languages HTML, the CSS standards for formatting and transforming web content, interactive graphics and multimedia content on the web, and client-side programming using JavaScript.

Contact Hours and Indicative Student Workload

Proposed Roll- Out Strategy	Credits	Total Notional Hours	Number of Weeks	Theory Hours	Practical Hours	Total Contact Sessions Total Hours per week	Formative Assessments (45%): Hours	Summative Assessments (15%): Total Hours
Semester	13	130	11	4	6	10	12	10

Teaching and Learning Methods

Lectures, Flipped Classroom, Webinars, Group and Research, practical classes (role play), and Gamification.

Module Resources

The module introduction with the facilitator will cover:

- Overview of the module, including tasks and activities expectations
- Timetable
- The Learner Guide
- The Learner Electronic Portfolio of Evidence
- Practical's
- Research

- Group activities
- LABS
- International exams (if applicable)
- Assessments
- The importance of completing all tasks in the EPoE; the neat and orderly submission of evidence in the EPoE; all forms completed and signed
- WIL Component
- The Summative Assessment
- Programme Assessment timetable schedule
- Assessment Policy
- Self-Study time

Please note: Hand-out and submission days are indicated on the lesson planner. Students neglecting to submit projects by stated submission days will be penalized as per assessment policy.

The semester is divided into weeks of formal class time. Class sessions are divided into theoretical, practical, group assignments, and research sessions. As part of students' development, there will also be homework as given by the trainer.

Prescribed Resources



Prescribed reading:

• Title: Pro HTML5 with CSS, JavaScript, and Multimedia: Complete Website Development and Best Practices

Author(S): Mark J. Collins Edition: 1st Edition

Year: 2017 Publisher: Apress

O'Reilly Link: https://learning.oreilly.com/library/view/pro-html5-with/9781484224632/

Recommended Additional Resources

Textbook(s)

Title: Modern Web Design with HTML5, CSS3, and JavaScript

Author(S): Laurence Svekis

Year: 2020

Publisher: Packt Publishing

O'Reilly Link: https://learning.oreilly.com/videos/modern-web-design/9781800563179/

Video(s)

 Build a Simple Website with HTML, CSS, JavaScript – Course for Beginners https://www.youtube.com/watch?v=krfUjg0S2ul Class Schedule using html and css by France Coding Tutorial https://www.youtube.com/watch?v=WSoVo-m-Db0

Software (Used for this Module)

For HTML, CSS & JavaScript Development:

- NotePad++ for PC **Download here latest version**
- Visual Studio Code for PC Download here latest version

For Local Server to run your development files:

- Download XAMPP
- How to use XAMPP Get started https://www.youtube.com/watch?v=c6eGd_BLGC0

Webinars

N/A

Assessment Details

The students will need a pass mark of 80% on the Prelim exam to qualify for admission to the international certification exams.

Important Note to assessment structure:

Dear Students,

We are excited to announce that Core Web Development will be a group project consisting of three phases aimed at building a fully functioning system. This message serves to inform you about the structure and requirements of this engaging endeavor.

To foster collaboration and diverse perspectives, each group must consist of a minimum of three students. This will ensure a dynamic team capable of tackling the challenges and complexities of web development.

Phase 1 will serve as an introduction to the project. During this phase, you will familiarize yourselves with the project requirements, establish team roles and responsibilities, and set out a plan for the subsequent phases.

Phase 2 will build upon the foundations laid in Phase 1, encouraging you to expand and enhance the system. This phase will involve implementing new features, improving user experience, and addressing any issues identified during testing.

Finally, Phase 3 will focus on the final touches and refinement of the system. You will have the opportunity to polish the user interface, optimize performance, and ensure the project meets the highest standards of quality and functionality.

The culmination of the project will be a national presentation, where each group will showcase their completed system. This presentation will provide an opportunity to demonstrate your collective efforts and impress both your peers and evaluators.

As an incentive for excellence, we are pleased to announce that the **top three groups will be awarded certificates of achievement.** This recognition will not only acknowledge your hard work and dedication but also serve as a testament to your skills in web development.

We believe that this group project will offer a valuable learning experience, allowing you to apply your knowledge and collaborate effectively. So, gather your team, brainstorm innovative ideas, and embark on this exciting journey toward creating a fully functioning system.

Best of luck to all participating groups and may your web development skills shine brightly!

Purpose of the project (*WIL)

The inclusion of a Project which can serve as Work Integrated Learning (WIL) in a qualification serves the purpose of amalgamating acquired knowledge and skills into a cohesive project. This project empowers you, as a student, to integrate your learning from multiple modules and showcase your ability to apply it in resolving real-world workplace challenges. By incorporating the project in this Module, special emphasis can be placed on the Critical Crossfield Outcomes (CCFOs) outlined by SAQA, which are now recognized globally as essential competencies.

Roles and responsibilities for this project include:

- 1. **The student** the student is expected to attend all scheduled sessions (in person or in the case of FQPT students remotely), meet deadlines and collect and prepare evidence aligned to expectations as set out in the relevant
- 2. **CTU Facilitators** designated to guide, mentor, assess, and monitor students' academic progress in the development of this project.

Formative assessment breakdown

Phase 1	Phase 2	Phase 3	Final Submission
Weighting: 33%	Weighting: 33%	Weighting: 34%	Presentation: 50%
Open Book	Open Book	Open Book	Details to follow
SRS and Practical	Practical	User Guide and Practical	ТВА

^{*}SRS Software Requirements Specifications

Know more about SRS

Summative assessment:

Presentation Practical exam

50%

Formative assessments (50%) + Summative assessment (50%) = Final mark

Assessment Preparation Guidelines

	Format of the Assessment	Resources required	Learning Units covered
Formative Assessment 1:	SRS and Practical oriented	Campus Online and O'Reilly Textbook	Group Allocation Unit 1: Hypertext Markup Language Unit 2: Cascading Style Sheets Unit 3: JavaScript Essentials Unit 4: Structural HTML Elements Unit 5: Phrasing HTML Elements Unit 6: Table HTML Elements Unit 7: Embedded HTML Elements Unit 8: HTML Form Elements Teach students how to write SRS
Formative Assessment 2:	Theory and Practical oriented	Campus Online and O'Reilly Textbook	Unit 9: CSS Selectors Unit 10: Positioning Content Unit 11: Text Styles Unit 12: Borders and Backgrounds Unit 13: Styling Tables2 Unit 14: Flexbox Unit 15: Animation and Transforms Unit 16: Browser Environment Unit 17: Window Object Teach students how to draft a User Guide
Formative Assessment 3:	User Guide and Practical oriented	Campus Online and O'Reilly Textbook	Unit 18: DOM Elements Unit 19: Dynamic Styling Unit 20: Events Unit 21: Audio and Video Unit 22: Scalable Vector Graphics Unit 23: Canvas Unit 24: Drag and Drop Unit 25: Indexed DB Unit 26: Geolocation and Mapping Teach students to present

Summative	Theory and	Campus Online	Final Presentations
Exam	Practical	and O'Reilly	
	oriented	Textbook	

Assessment Release and Submission Week



Formative assessment:	Release Week	Submission Week
Formative Assessment 1	Week 1	Week 4
Formative Assessment 2	Week 4	Week 6
Formative Assessment 3	Week 6	Week 8

International Exam:	Boot camp & Prelim	International
HTML and CSS	Week 13	TBC
JavaScript	Week 13	TBC

Summative assessment:	Project Week	Project Week
National Final presentation	Week 12	Week 12

Please note – There are two (2) steps in the submission process.

- Step 1: Required evidence in the specified formats is submitted on Campus Online to the designated assignment description.
- Step 2: Complete and submit the document of authenticity for every formative and summative assessment submitted.

Assessment Strategy

The following assessment activities apply to each module:

- Knowledge assessments
- Practical / Research Assignments
- CCFOs (Critical Cross-Field Outcomes) / Simulated case studies
- Work Integrated Logbooks

Progression

Students need to achieve a minimum final mark of 70%, to be deemed competent. A final mark of less than 70%, deems a student to fail and the student will be required to repeat the module in the following academic year.

Weekly Planner

Week	Learning Units to be Covered	Resources required	Class Activity
Week 1 to Week 4	Group Allocation Unit 1: Hypertext Markup Language Unit 2: Cascading Style Sheets How to write SRS Unit 3: JavaScript Essentials Unit 4: Structural HTML Elements Unit 5: Phrasing HTML Elements Unit 6: Table HTML Elements Unit 7: Embedded HTML Elements Unit 8: HTML Form Elements	Campus Online and Prescribed Textbook (O'Reilly)	Group Activities (GA1 and GA2) Not graded.
Week 5 to Week 8	Unit 9: CSS Selectors Unit 10: Positioning Content Unit 11: Text Styles Unit 12: Borders and Backgrounds Unit 13: Styling Tables2 How to draft a user guide Unit 14: Flexbox Unit 15: Animation and Transforms Unit 16: Browser Environment Unit 17: Window Object	Campus Online and Prescribed Textbook (O'Reilly)	Group Activities (GA3 and GA4) Not graded.
Week 8 to Week 10	Unit 18: DOM Elements Unit 19: Dynamic Styling Unit 20: Events Unit 21: Audio and Video Unit 22: Scalable Vector Graphics Unit 23: Canvas Unit 24: Drag and Drop Unit 25: Indexed DB Unit 26: Geolocation and Mapping Presentations preparations	Campus Online and Prescribed Textbook (O'Reilly)	Group Activities (GA5 and GA6 Not graded
Week 11	Consultations	Campus Online and Prescribed Textbook (O'Reilly)	Revision
Week 12	Final Projects Presentations	During Class	
Week 13	Prelims Writing	Campus Online	

Week 14 to 15	International exams		
Week 16	From Unit 1 to Unit 5	Campus Online and Prescribed Textbook (O'Reilly)	Projects Finalizations

Module Content

LU 1	HTML
	Learning Objectives:
	After this unit, the student should understand:
	 Hypertext Markup Language Cascading Style Sheets JavaScript Essentials
LU 2	HTML
	Learning Objectives:
	 Structural HTML Elements Phrasing HTML Elements Table HTML Elements Embedded HTML Elements HTML Form Elements
LU 3	CSS
	Learning Objectives:
LU 4	JavaScript
	Learning Objectives: Browser Environment Window Object DOM Elements

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	Dynamic StylingEvents
LU 5	Advanced Applications
	Learning Objectives:



To foster collaboration and diverse perspectives, **each group must consist of a minimum of three students**. This will ensure a dynamic team capable of tackling the challenges and complexities of web development.

• Each group must have a unique name.



<u>NB!!!:</u> Please note that this is a continuous project meaning that we start with basics and we build in sprints to have a functional project at the end of the semester.

Phase 1:

The following is what is expected for your group to submit. Please note that even though it is group work, all members' details must be in a text file or document named student name. All of your group members are to submit the same group work.

- 1. Submit Software Requirements Specification (SRS) Please download and use the template on Campus Online Called SRS_PF Template.
- 2. Website or Web page that is static (Meaning no functionality at this stage) with the following pages:
 - a. Home

- b. Timetable
- c. Discussion
- d. Share Resources
- e. About Us
- f. Contact Us

3. Submission format

- a. Put everything in one folder called Phase1_YourGroupName_2023 . e.g Phase1_TechGeeks_2023 (Inside, you must have a full folder of your website, a Document that has names for your group members, and an SRS document)
- b. Zip by using 7zip or compress the folder then upload on Campus Online.



Phase 2:

The following is what is expected for your group to submit. Please note that even though it is group work, all members' details must be in a text file or document named student name. All of your group members are to submit the same group work.

You add Phase 2 on top of Phase 1, you continue where you stopped by adding functionalities specified below:

- 1. All your website pages must work and be interactive
 - a. Home page: Add a Logo, use images, videos, and animation to make your pages look appealing and you must have information descriptive of the page (Do this for all pages). Add a footer to all pages.

2. Timetable page:

- a. You must display the timetable to your users, you can use your timetable as a template, please note that attaching an image is unacceptable, you must develop it by using HTML tables and CSS
- b. The timetable must show the date, time for modules, and day of the week, only display per weekly timetable
- 3. About Us page:

a. Add information about this website, and your roles in your group.

4. Contact Us:

a. Add your name, surname, name of your group, and student number

5. Submission format

- a. Put everything in one folder called Phase2_YourGroupName_2023 . e.g Phase1_TechGeeks_2023 (Inside, you must have a full folder of your website, a Document that has names for your group members, and an SRS document)
- b. Zip by using 7zip or compress the folder then upload on Campus Online.

6. Final notes:

Add a Logo, use images, videos, and animation to make your pages look appealing and you must have information descriptive of the page clicked(Do this for all pages). Add a footer as well to all pages.



NB!!!: Please note that this is a continuous project meaning that we start with basics and we build in sprints to have a functional project at the end of the semester.

Phase 3:

The following is what is expected for your group to submit. Please note that even though it is group work, all members' details must be in a text file or document named student name. All of your group members are to submit the same group work.

- 1. Share Resources page:
 - a. Allow students to upload and display pdf resources These resources must be downloadable to your users
- 2. Discussion Page:
 - a. Allow users to post questions they have regarding their studies, and others should be able to respond to questions
- 3. Contact Us Page:
 - a. Add a form for users to subscribe
 - b. Add a Map of your Campus

- 4. Draft a user guide for your website
- 5. Submission format
 - a. Put everything in one folder called Phase2_YourGroupName_2023 . e.g Phase1_TechGeeks_2023 (Inside, you must have a full folder of your website, a Document that has names for your group members, and an SRS document)
 - b. Zip by using 7zip or compress the folder then upload on Campus Online.



Final Project Day: Week 11

- Virtual presentations Nationally
- More details: TBA

Your facilitator must be a consultant to assist you, not do the work but guide you as a group, you are more than welcome to be innovative and go above what is required should you feel so.

Marking Rubrics

Phase 1

SRS Rubric: [35 Marks]

1. Introduction

a. Purpose of the Project 5 Marks

b. Group members' roles and responsibilities 2 Marks

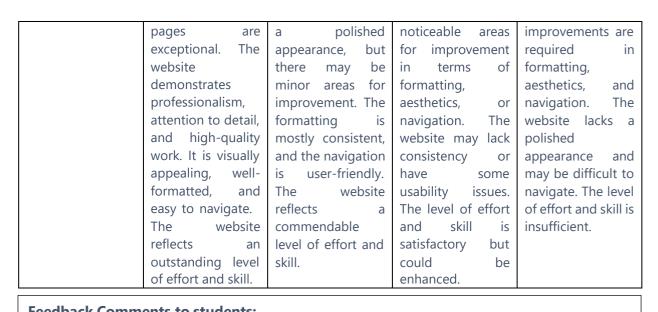
2. Project Description

a. Briefly explain the project in one paragraph 5 Marks.
b. Problem statement 5 Marks
c. Expectations of the Project 5 Marks
3. System Requirements
a. Website requirements, functionalities 5 Marks
b. Technologie used 3 Marks
4. Conclusion
a. One paragraph 5 Marks

Static Website:

Criteria	Excellent (10)	Good (6 – 8)	Fair (3 – 5)	Poor (0 - 2)
Inclusion of	All the required	Most of the	Some of the	Several or all of the
Required Pages	pages (Home,	required pages are	required pages are	required pages are
	Timetable,	included, but there	missing or	missing or
	Discussion, Share	may be minor	incomplete, and	incomplete.
	Resources, About	issues with	implementation	Implementation is
	Us, Contact Us) are	implementation or	may have	severely flawed,
	present and	missing content.	significant issues.	and content is
	appropriately	The majority of the	Content is	either missing or
	implemented.	information is	insufficient or	irrelevant.
	Each page	relevant and	irrelevant on	
	contains relevant	accurate.	several pages.	
	and accurate			
	information.			
Design and Visual	The website	The website	The website	The website
Appeal	design exhibits	design is good	design is average.	design is poor.
	exceptional	overall, with minor	There are	Significant
	creativity,	areas for	noticeable areas	improvements are
	aesthetics, and	improvement. The	for improvement	required in layout,
	visual appeal. The	layout is visually	in terms of layout,	consistency, and
	layout is visually	appealing and	consistency, and	visual appeal. The
	engaging,	mostly consistent.	visual appeal.	design lacks
	cohesive, and	Colors,	Colors,	coherence, and
	consistent across	typography, and	typography, or	colors,
	all pages. Colors,	graphical	graphical	typography, or
	typography, and	elements are	elements may lack	graphical
	graphical	appropriate, but	coherence or	elements are
	elements are	there may be	aesthetic appeal.	unappealing or
	chosen	slight		non-existent.

	thoughtfully and enhance the	inconsistencies or room for		
Content and Information	overall design. The website content is comprehensive, accurate, and effectively presents the intended information. Each page contains well-written and concise textual content, free from errors. The content is organized, structured, and relevant to the respective page's purpose.	enhancement. The website content is good overall, with minor areas for improvement. The majority of the information is accurate and relevant, but there may be occasional errors or lack of conciseness. The content is mostly organized and structured appropriately.	The website content is average. There are noticeable areas for improvement in terms of accuracy, relevance, and organization. The information provided may have some inaccuracies or inconsistencies. The content lacks proper organization or structure.	The website content is poor. Significant improvements are required in accuracy, relevance, and organization. The information provided is inaccurate or irrelevant. The content lacks proper organization or structure.
Layout and Organization	The layout and organization of each page are exceptional. The content is logically structured, and sections are appropriately divided. Navigation elements, such as menus or links, are well-placed and visible. The website offers a seamless and intuitive user experience.	The layout and organization are good overall, with minor areas for improvement. The content is generally well-structured, but there may be some minor issues with the logical flow or section division. Navigation elements are present and visible, but there could be some minor improvements in terms of user experience.	The layout and organization are average. There are noticeable areas for improvement in terms of logical structure, flow, or section division. Navigation elements may be lacking or not optimally placed. User experience may be somewhat affected.	The layout and organization are poor. Significant improvements are required in terms of logical structure, flow, or section division. Navigation elements are either missing or poorly placed. User experience is negatively impacted.
Overall Presentation and Quality	The overall presentation and quality of the static website or web	The overall presentation and quality are good. The website shows	The overall presentation and quality are average. There are	The overall presentation and quality are poor. Significant



reedback Comments to Students.	
Ta	tal Marks:
10	ital ivial KS:

Phase 2

Criteria	Excellent (10)	Good (6 – 8)	Fair (3 – 5)	Poor (0 - 2)
Home	The home page is fully	The home page is mostly	The home	The home
Page	interactive and includes a	interactive, with minor	page has	page lacks
	visually appealing logo.	areas for improvement. The	limited	interactivity
	Images, videos, and	logo is visually appealing,	interactivity	and
	animations are used	and images, videos, and	or	functionality.
	effectively to enhance the	animations are used	functionality.	The logo and
	page's visual appeal. The	effectively. The content is	The logo and	visual elements
	content is informative and	informative but may	visual	are inadequate
	descriptive, providing a	require some	elements	or missing. The
	clear understanding of the	enhancements in	could be	content is
	website's purpose. A footer	descriptiveness. A footer is	improved for	insufficiently
	is present and consistent	present but may have some	a better	descriptive,
	across all pages.	inconsistencies.	appeal. The	and the footer
			content lacks	is absent.
			sufficient	
			descriptiven	
			ess, and the	
			footer may	
			be missing	
			or	
			inconsistent.	
Timetable	The timetable page is fully	The timetable page is	The	The timetable
Page	interactive and developed	mostly interactive and	timetable	page lacks
	using HTML tables and CSS.	developed using HTML	page has	interactivity
	It displays the timetable	tables and CSS, with minor	limited	and
	with accurate information,	areas for improvement. It	interactivity	functionality.
	including dates, times,	displays the timetable	or	The HTML
	modules, and days of the	accurately but may have	functionality.	tables and CSS
	week. Only the weekly	some minor issues. The	The HTML	implementatio

	timetable is displayed. The	design is visually appealing	tables and	n are
	design is visually appealing,	but could be further	CSS	inadequate or
	clear, and easy to read.	enhanced for clarity.	implementat	missing. The
			ion may have	displayed
			significant	timetable is
			issues. The	either incorrect
			displayed	or
			timetable	incomprehensi
			may contain	ble.
			inaccuracies	
			or lack	
			clarity.	
About Us	The About Us page is fully	The About Us page is	The About	The About Us
Page	interactive and provides	mostly interactive and	Us page has	page lacks
	comprehensive information	provides sufficient	limited	interactivity
	about the website and the	information about the	interactivity	and
	group members. The	website and group	or	functionality.
	content is well-written,	members, with minor areas	functionality.	The
	informative, and engaging.	for improvement. The	The	information
	It effectively showcases the	content is generally well-	information	provided is
	purpose and background	written and informative but	provided	inadequate or
	of the website and	may lack some	may be	missing. The
	introduces each group	engagement. It adequately	insufficient	content fails to
	member.	presents the purpose and	or lack	present the
		background of the website	clarity. The	purpose and
		and introduces the group	content may	background of
		members.	be less	the website or
			engaging or	introduce the
			fail to	group
			effectively	members.
			present the	

			purpose and	
			background	
			of the	
			website or	
			introduce	
			the group	
			members.	
Contact	The Contact Us page is fully	The Contact Us page is	The Contact	The Contact Us
Us Page	interactive and includes the	mostly interactive and	Us page has	page lacks
	names, surnames, group	includes the required	limited	interactivity
	names, and student	information of all group	interactivity	and
	numbers of all group	members, with minor areas	or	functionality.
	members. The page is well-	for improvement. The	functionality.	The required
	designed, visually	design is visually appealing	The required	information of
	appealing, and easy to	but may have some minor	information	group
	navigate.	issues. The page is	of group	members is
		generally easy to navigate.	members	missing or
			may be	incomplete.
			missing or	The design is
			incomplete.	inadequate or
			The design	missing.
			may lack	Navigation is
			visual appeal	difficult ornon-
			or have	existent.
			noticeable	
			issues.	
			Navigation	
			may be	
			somewhat	
			challenging.	
			strationing.	

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Components may be compression of the folder into a zip file is either not compression of the folder into a zip file into a zip		similar tool.	zip file, but the chosen tool	Some of the	are missing or
may be compression of the folder into a zip file is either not compression of the folder into a zip file is either not done or of the folder into a zip file incorrectly. The executed into a zip file incorrectly. May be compression of the folder into a zip file incorrectly. The overall presentation and quality of the on and interactive website are exceptional. The website is visually appealing, user-friendly, and quality are appealing, user-friendly, are average. Visually appealing, user-friendly, and mostly functional, with friendly, and fully minor areas for noticeable improvements			may have minor issues.	required	incomplete.
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Quality exceptional. The website is appealing, user-friendly, are average. poor. visually appealing, user- and mostly functional, with friendly, and fully minor areas for noticeable improvements	Presentati	and quality of the	and quality are good. The	presentation	presentation
visually appealing, user- and mostly functional, with There are Significant friendly, and fully minor areas for noticeable improvements	on and	interactive website are	website is visually	and quality	and quality are
friendly, and fully minor areas for noticeable improvements	Quality	exceptional. The website is	appealing, user-friendly,	are average.	poor.
		visually appealing, user-	and mostly functional, with	There are	Significant
functional Interactivity improvement Interactivity areas for are required in		friendly, and fully	minor areas for	noticeable	improvements
interactivity, improvement, interactivity, areas for lare required in		functional. Interactivity,	improvement. Interactivity,	areas for	are required in

visual elements, and	visual elements, and	improvemen	terms of visual
content are of high quality	content are of good quality	t in terms of	appeal, user-
and meet or exceed	and meet expectations. The	visual	friendliness,
expectations. The website	website reflects a	appeal, user-	and
reflects professionalism,	commendable level of	friendliness,	functionality.
attention to detail, and a	effort and skill.	and	Interactivity,
high level of effort and skill.		functionality.	visual
		Interactivity,	elements, or
		visual	content are
		elements, or	inadequate or
		content may	missing. The
		have some	website
		shortcoming	reflects a lack
		s. The	of effort and
		website	skill.
		reflects an	
		acceptable	
		level of effort	
		and skill but	
		could be	
		enhanced.	

Feedback Comments to students:

Phase 3

Criteria	Excellent (10)	Good (6 – 8)	Fair (3 – 5)	Poor (0 - 2)
Share	The Share Resources page	The Share Resources page		The Share
Resources	allows students to upload	allows students to upload	The Share	Resources
Page	and display PDF resources.	and display PDF resources,	Resources page has	page lacks
	The uploaded resources are	with minor areas for	limited	functionality
	downloadable for users. The	improvement. The resources	functionality or significant	or has
	functionality works	are downloadable, but there	issues.	severe
	smoothly, and the page is	may be some minor issues	Uploading and	issues.
	visually appealing and well-	with functionality or design	displaying	Uploading
	designed.		resources may have	and
			errors or	displaying
			inconsistenci es. The	resources
			download	do not work
			functionality may not	properly.
			work	The
			correctly. The design	download
			may lack	functionality
			appeal or cohesiveness	is non-
			•	functional
				or
				unreliable.
				The design
				is
				inadequate
				or missing.
Discussion	The Discussion page enables	The Discussion page enables	The	The
Page	users to post questions	users to post questions and	Discussion	Discussion
	related to their studies, and	receive responses, with	page has	page lacks

	others can respond to those	minor areas for	limited	functionality
	questions. The functionality	improvement. The	functionality	or has
	works effectively, allowing	functionality is most	or significant	severe
	for easy interaction and	effective but may have some	issues.	issues.
	engagement among users.	minor issues. The design is	Posting	Posting
	The design is visually	visually appealing but could	questions or	questions or
	appealing and user-friendly.	be further enhanced for	receiving	receiving
		user-friendliness	responses	responses
			may have	does not
			errors or	work
			inconsistenci	properly.
			es. The	The design
			design may	is
			lack appeal	inadequate
			or usability.	or missing.
Contact Us	The Contact Us page	The Contact Us page	The Contact	The Contact
Page	includes a form for users to	includes a subscription form	Us page has	Us page
	subscribe, allowing them to	and a map of the campus,	limited	lacks
	provide their information.	with minor areas for	functionality	functionality
	Additionally, a map of the	improvement. The	or significant	or has
	campus is displayed,	functionality of the form and	issues. The	severe
	providing users with a clear	map is mostly effective, but	subscription	issues. The
	visual representation. The	there may be some minor	form or map	subscription
	functionality of the	issues. The design is visually	may have	form or map
	subscription form and map	appealing but could be	errors or	does not
	works smoothly. The page	further enhanced for user-	inconsistenci	work
	design is visually appealing	friendliness.	es. The	properly.
	and user-friendly.		design may	The design
			lack appeal	is
			or usability.	inadequate
				or missing.

Draft User	A draft user guide of the	A draft user guide of the	The provided	The user
Guide	website is provided, which	website is provided, which	user guide	guide is
	includes detailed	includes instructions and	has limited	missing or
	instructions and	explanations on how to	instructions	incomplete.
	explanations on how to	navigate and utilize the	or significant	Instructions
	navigate and utilize the	website, with minor areas for	issues. It may	or
	various features and	improvement. The user	lack clarity or	explanation
	functionalities of the	guide is mostly well-	fail to cover	s on website
	website. The user guide is	organized and clear but may	all necessary	usage are
	well-organized, clear, and	require some enhancements	aspects of	inadequate
	comprehensive.	in comprehensiveness.	website	or non-
			usage. The	existent.
			organization	
			may be	
			insufficient.	
Submissio	The submission is correctly	The submission is mostly	The	The
n Format	organized in a folder named	organized correctly in a	submission	submission
	"Phase2_YourGroupName_2	folder named	format has	format is
	023." The folder includes the	"Phase2_YourGroupName_2	noticeable	incorrect or
	full website, a document	023," with minor areas for	issues. The	incomplete.
	containing the names of	improvement. The required	folder may	The folder is
	group members, the SRS	components are included,	be missing or	missing or
	document, and the draft	but there may be some	have	named
	user guide. The folder is	inconsistencies or minor	incorrect	incorrectly.
	compressed into a zip file	issues with file formats. The	naming	The
	using 7zip or a similar tool.	folder is compressed into a	conventions.	required
		zip file, but the chosen tool	Some of the	component
		may have minor issues.	required	s are
			components	missing or
			may be	incomplete.
			missing or	The

			incomplete.	compressio
			The	n of the
			compression	folder into a
			of the folder	zip file is
			into a zip file	either not
			may have	done or
			significant	executed
			issues.	incorrectly.
Overall	The overall presentation and	The overall presentation and	The overall	The overall
Presentati	quality of the interactive	quality are good. The	presentation	presentatio
on and	website, including the newly	website, including the newly	and quality	n and
Quality	added requirements, are	added requirements, is	are average.	quality are
	exceptional. The website is	visually appealing, user-	There are	poor.
	visually appealing, user-	friendly, and mostly	noticeable	Significant
	friendly, and fully functional.	functional, with minor areas	areas for	improveme
	Interactivity, visual elements,	for improvement.	improvemen	nts are
	content, and newly added	Interactivity, visual elements,	t in terms of	required in
	features meet or exceed	content, and the newly	visual appeal,	terms of
	expectations. The website	added features meet	user-	visual
	reflects professionalism,	expectations. The website	friendliness,	appeal,
	attention to detail, and a	reflects a commendable	functionality,	user-
	high level of effort and skill.	level of effort and skill.	or the newly	friendliness,
			added	functionality
			requirements	, and the
			. Interactivity,	newly
			visual	added
			elements,	requirement
			content, or	S.
			newly added	Interactivity,
			features may	visual
			have some	elements,

		shortcoming	content, or	
		s. The	newly	
		website	added	
		reflects an	features are	
		acceptable	inadequate	
		level of effort	or missing.	
		and skill but	The website	
		could be	reflects a	
		enhanced.	lack of effort	
			and skill.	
Facilities	Comments to students:			
		Total Marks:		

Phase: Final Presentation

TBA

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Author(S): Mark J. Collins

Edition: 1st Edition

Year: 2017

Publisher: Apress

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Author(S): Laurence Svekis

Year: 2020

Publisher: Packt Publishing

O'Reilly Link: https://learning.oreilly.com/videos/modern-web-design/9781800563179/

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https://www.youtube.com/watch?v=krfUjg0S2uI

Class Schedule using html and css by France Coding Tutorial

https://www.youtube.com/watch?v=WSoVo-m-Db0

- NotePad++ for PC Download here latest version
- Visual Studio Code for PC Download here latest version
- Download XAMPP
- How to use XAMPP Get started
- https://www.youtube.com/watch?v=c6eGd_BLGC0

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