



Faculty Name: IT
Qualification Name: FET
Certificate: Information
Technology: System
Development
Programme Name:
Programming Foundation
Formative Assessment
1 Paper

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Table of Contents

Formative Assessment 1 Paper	2
Instruction(s) to Students.....	2
Scenario Question(s) 85 Marks.....	3

Formative Assessment 1 Paper

Faculty Name:	Information Technology
Qualification Name:	FET Certificate: Information Technology: System Development
Programme Name:	Programming Foundation
Module Name:	Core Web Development Semester 1
Module Code:	CWD412
Hand Out:	09 – 08 – 2024
Hand In:	26 - 08 - 2024
Total Marks:	85
Examiner:	Mr Junior Manganyi
Resources Required:	None

Scenario Question(s)	85 Marks
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This Formative Assessment 1 (FA1) contributes 33% towards the final mark.

Instruction(s) to Students

1. All assessments are due at 23:30 (local time) on the specified date.
2. Copying from any source, including other students' work, is strictly prohibited. Plagiarism will result in disciplinary action.
3. Before submitting your assessment, download the "Declaration of Authenticity" form provided from Campus Online. Sign the form and include it as part of your submission.
4. Late submissions will be accepted within a three-day grace period after the closing date. However, there will be a deduction in marks:
5. On the first day, a 5% deduction will be applied, From the second day onwards, the deduction will be 1% per day, up to a maximum deduction of 15%.
6. If you need to submit your assessment during the grace period, you must inform your facilitator.

It is your responsibility to ensure that you have access to a reliable internet connection and the necessary resources to complete and submit your assessment on time.

Scenario Question(s)

85 Marks

Study the scenario and complete the question(s) that follow:

Development of CTU-Buddy Educational System

In this scenario, you and your team are embarking on the development of CTU-Buddy, an educational system for City Technical University (CTU). Your objective is to create a comprehensive and interactive website that enhances the learning experience for students. CTU-Buddy will consist of various pages, each with specific features and functionalities.

As a team, you gather to discuss the project's requirements and brainstorm ideas for the website. After careful consideration, you decide on the following pages to be included in CTU-Buddy: Home, Timetable, Discussion, Share Resources, About Us and Contact Us.

The Home page will serve as the central hub of CTU-Buddy, providing an appealing and engaging interface. Through the use of images, videos, and animations, you aim to captivate users and create an immersive experience. The page will showcase relevant information about the system, highlighting its key features. Additionally, a footer will be included on all pages, offering convenient navigation options.

The Timetable page is crucial for students to manage their schedules effectively. By utilizing HTML tables and CSS, you will design an aesthetically pleasing and user-friendly timetable. It will display the date, time, modules, and days of the week, enabling students to access their weekly schedules easily. The responsive design will ensure seamless functionality across different devices.

The About Us page will provide valuable insights into CTU-Buddy and the team behind its development. It will include information about the system's purpose, vision, and mission, as well as the individuals involved in creating it. This page aims to foster a sense of connection and trust between users and the CTU-Buddy platform.

On the Contact Us page, you will integrate a contact form, allowing users to submit inquiries, suggestions, or feedback. Additionally, you will include a map that showcases the location of the CTU campus, providing users with a visual reference and enhancing their experience.

The Share Resources page will enable students to upload and share educational resources in PDF format. Users will be able to navigate through the resources and download them for offline access. The page will incorporate secure and user-friendly features, such as resource uploading, categorization, and search functionality.

For the Discussion page, you will create an interactive platform that encourages students to engage in collaborative learning. Users will be able to post questions related to their studies and receive responses from their peers. The page will incorporate features such as threaded discussions, user profiles, and moderation tools to facilitate a productive and respectful learning community.

As the project nears completion, thorough testing and debugging will be conducted to ensure a seamless user experience across all pages. Any identified issues will be promptly addressed, and refinements will be made to the website's visual elements and functionalities.

Finally, you will organize all project files and documentation into a comprehensive folder structure, including the website files, a document listing the project team members, and an SRS (Software Requirements Specification) document. The folder will be compressed using an appropriate compression tool and uploaded for submission.

Upon successful completion, CTU-Buddy will revolutionize the educational experience at City Technical University. Students will have a user-friendly platform that helps them manage their timetables, engage in discussions, share resources, and connect with their peers and educators effectively. CTU-Buddy will serve as an invaluable tool in fostering academic success and facilitating an enhanced learning environment at CTU. Source: Mangayi, J. (2023).

Phase 1

Based on the scenario provided, your group is required to develop a Software Requirements Specification (SRS) for the CTU-Buddy educational system. The SRS should be created using the template named "SRS_PF Template," which is available on Campus Online. **The rubric is provided in the study guide.**

Additionally, you are expected to create a static website with the following pages:

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

Please note that at this stage, the website should be static, meaning it will not have full functionality. Focus on designing and presenting the content for each page in an appealing and user-friendly manner.

For the design and styling of the website, you are encouraged to make it visually engaging and captivating. Incorporate relevant images, videos, animations, and other media elements to enhance the user experience. Use CSS to apply consistent and aesthetically pleasing styles to the website's elements.

Remember to add a footer to all pages to provide navigation options and a cohesive user interface. Pay attention to the layout, color scheme, typography, and overall visual coherence of the website.

Submission format

Once completed, organize all the project files into a single folder named "Phase1_YourGroupName_2024" (e.g., Phase1_TechGeeks_2024). Inside this folder, you should have the full folder containing your website files, a document that includes the names of all group members, and the Software Requirements Specification (SRS) document you developed.

Finally, compress the "Phase1_YourGroupName_2024" folder using 7zip or any suitable compression tool and upload it to the designated platform on Campus Online for submission.

Good luck with your project, and don't hesitate to explore your creativity in designing the CTU-Buddy website!

[Total = 85 Marks]

End of Phase 1