



Faculty	Faculty of Engineering and Technology		
Assessment Name (Eg: End/Sup)	END	Paper Code	CWDD/A23-E1
Module Name	WEB DESIGN AND DEVELOPMENT	Module Code	C6-WDD-19
Month	April	Year	2023
Total Marks	100	Duration	4 WEEKS
Assessment Type (Eg: Written/Practical/Submission)	PROJECT	Exam/Submission Date	29 April 2023

Instructions

1. Students' cover page should contain: Faculty name; department name; module name and code; the title of your work; Student Id and lecturer/Facilitator's name;
2. Students should have use Harvard referencing style.
3. Students should have used font size 12 point of style Calibri with line spacing of 1.15 (Visually impaired students may use larger fonts).
4. You are to submit your artefact on blackboard and your report on turnitin by the due date.
5. Presentation is compulsory your failure to attend the presentation means that you were absent for the examination. Therefore, no marks will be awarded for your submitted work.
6. Any amount of plagiarism will be treated with seriousness and will lead to issuing of warning letter.
7. Websites developed using with Content Management System or plagiarized will be indicated as plagiarized and no marks will be awarded to those websites.
8. Presentation for each student should not exceed 15 minutes.

SCENARIO

Maluti Pharmacy is a small pharmacy that discover, produce, prepare, dispense, review and monitors medications in the heart of the mountains in Lesotho. The pharmacists in the pharmacy play a pivotal role in optimising drug treatments for individuals since they are knowledgeable about the modes of actions of particular drugs and their metabolisms and physiological effects on the human body in great detail.

Patients treat pharmacists as consultants, someone to help them choose an over-the-counter medicine or make sense of a prescription's dosage and instructions. In most cases pharmacists would rarely have enough information about a person's medical history to give more complete and well informed advice.

Pharmacists spend most of their working hours advising patients and dispensing drugs. This tasks require lots of concentration, a great deal of verification and drug interaction checking. They also have to perform administrative duties in pharmaceutical practice, such as reviewing prescription requests with medic's offices and insurance companies to ensure correct medications are provided and payment is received.

The pharmacy has approached the SmartTech Solutions company where you happen to be a system developer requesting your company to assist with online solution that can automate some of their business processes. Currently the pharmacy is having three types of users: Pharmacists, patients and system administrator.

Pharmacists

- **Create accounts:** pharmacists should be able to create accounts for the patients which is capable of capturing and editing the medical history of the patients.
- **Process medical orders:** receive the orders, process and update the order status on the system.
 - Receive: access and read the order description.
 - Process: prepare the order and check the delivery options (medication can be delivered to the customer in a given location).
 - Update: update the status of the order on the system (delivered \ pending).
- Access patient's previous medical records.
- Upload medication pictures on the system and their short description.
 - Upload medication on the system (the quantity in stock should also be displayed and update automatically when orders are processed).
 - Retrieve medication information from the system
 - Update medication information in the system
 - Delete medication information from the system

NB: medication information is quantity in stock

Patients

- Log in to the system
- Order medication as displayed on the system catalogue using their accounts.
- Describe their health issues and seek the medical assistance from the pharmacists.
- Access their medical history but cannot edit the history.

Admin

- Create accounts for the pharmacists
- View all the accounts.
- Block or delete the pharmacists account.

Make your website attractive with other additional features, other than the specifications given above. To ensure the website is usable and essential for the client.

Login/logout	All users should be able to: <ul style="list-style-type: none">✓ register (Admin, Pharmacists)✓ login to the system✓ Logout after completion of their tasks.	6 marks
Pharmacists (Orders portal)	<ul style="list-style-type: none">✓ After logging in, pharmacists should be able to access the orders from the orders portal.✓ Process and give the update of the order on the portal	4 marks
Pharmacists (Consultation portal)	<ul style="list-style-type: none">✓ After logging in, pharmacists should be able to access consultation portal and address the client's issues.✓ Update the status on the system	4 marks

Patients medical records	<ul style="list-style-type: none"> ✓ The Pharmacists should be able to access the patients' medical record and update accordingly. 	4 marks
Medication pictures	<ul style="list-style-type: none"> ✓ Upload (5) ✓ Retrieve (5) ✓ Update (8) ✓ Delete (2) 	20 marks
Medication Order (patients)	<ul style="list-style-type: none"> ✓ Patient should be able to order the medication from the order portal. (4) ✓ Patients should be able to explain their health issues on the consultation portal. (4) ✓ Orders should indicate if there will be physical collection or delivery. If deliver it should indicate the place of delivery and number of kilometres from the pharmacy (4) 	12 marks

ADMINISTRATOR

Account Approval	<p>The administrator should have privileges to:</p> <ul style="list-style-type: none"> ✓ Create accounts for the pharmacists ✓ View all the accounts. ✓ Block or delete the pharmacists account. 	6 marks
Transaction	<p>The total costs of the order should be displayed to the client for confirmation before being send. An additional 5 Maloti will be charged per km for deliveries beyond 10 kms from the pharmacy .(the calculation is included in the total costs).</p>	2 marks

Creativity	Being able to add additional features to enable the system to be more usable	2 marks
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Report	Elucidate the concept of website design principles with appropriate citations. Provide justification and evidence of how you have achieved the website design principles stated above in your project.	Design concepts – 3 marks Justification of concepts – 3 marks Evidence of implementation – 4 marks	10 marks
	Construct a storyboard		4 marks
	Screen shots of system activities and output		4 marks
	Explain the use of session variables in PHP with the help of examples from your website.		4 marks
	Referencing		3 marks

Presentation	Introduction	2 mark
	Voice clarity	3 marks
	Enthusiasm	4 marks
	Presentation logic	4 marks
	Conclusion	2 marks