Web Programming 1

Web Programming 1 (WEPR1)			
Test Number	1		
Year	2023		
Internal Examiner	David Fourie		
Total Marks	120		
Release Date and time	07 July 2023 @08:00		
Submission Date and time	14 July 2023 @23:45		
	Practical	100 Marks	
Section A	Comments	10 Marks	
	Code executes successfully	10 Marks	

Instructions to Candidates:

1. Read carefully what needs to be done in this practical assessment.

Important Notes:

- This test paper consists of 13 pages
- This test contributes 50% towards the final mark.









Section A (100)

US115367

US115392

You are the new JAVASCRIPT programmer at a startup company called "New Future pty (LTD)".

The senior project manager and business analyst approached you to fill a gap identified and write a Java program that implements a task management application. The application should allow users to perform the following actions:

- Add a task with a title and description.
- Mark a task as completed by providing its ID.
- List all tasks with their IDs, titles, and completion status.
- Delete a task by providing its ID.
- Exit the application.

You should create two classes: Task and TaskManager. The Task class should have properties for ID, title, description, and completion status. The TaskManager class should manage a collection of tasks and provide methods for adding, marking, listing, and deleting tasks.

Implement the application by creating a function runTaskManager() that handles user input and performs the corresponding actions based on their choices. The application should run in a command-line interface (CLI) and use the readline module for user input.

Write the complete JavaScript code for the task management application, including the 'Task' and 'TaskManager' classes, the 'runTaskManager()' function, and the necessary input/output handling. Make sure to include comments to explain the major steps and logic in your code.

Test the application by adding tasks, marking tasks as completed, listing all tasks, and deleting tasks. Handle any potential errors or invalid user input gracefully.

Provide the code along with the comments explaining the functionality and logic used in your implementation.









Output should be as follow:

Step 1 (Add a task)

```
Task Management Application
1. Add a task

    Mark a task as completed
    List tasks

4. Delete a task
5. Exit
Enter your choice: 1
Enter task title: New task
Enter task description: This is the new task
Task added successfully.
Task Management Application
1. Add a task
2. Mark a task as completed
3. List tasks
4. Delete a task
5. Exit
Enter your choice:
```

You should be able to add multiple tasks

Step 2 (Mark a task as completed)

```
Task Management Application
1. Add a task
2. Mark a task as completed
3. List tasks
4. Delete a task
5. Exit
Enter your choice: 2
Enter task ID to mark as completed: 1
Task marked as completed.
Task Management Application
1. Add a task
2. Mark a task as completed
  List tasks
4. Delete a task
5. Exit
Enter your choice:
```

There should be an X next to the task indicating that the task was completed as seen in the next step when list tasks is selected.









Step 3 (List tasks)

If there is no tasks the following should display:

```
Task Management Application
------

1. Add a task
2. Mark a task as completed
3. List tasks
4. Delete a task
5. Exit
Enter your choice: 3
No tasks found.
```

Step 4 (Delete a task)

```
Task Management Application
------

1. Add a task
2. Mark a task as completed
3. List tasks
4. Delete a task
5. Exit
Enter your choice: 4
Enter task ID to delete: 1
Task deleted successfully.
```









If there is no tasks the following should display:

```
Task Management Application
------

1. Add a task
2. Mark a task as completed
3. List tasks
4. Delete a task
5. Exit
Enter your choice: 4
Enter task ID to delete: 4
Task not found.
```

Step 5 (Exit)

Copy and paste your code here (Please upload the actual code in notepad as well when uploading this document as evidence):

SUBTOTAL: [100]











Mark allocation for student				
Section	Sub-section	Maximum Mark	Learner mark	
Cartina A	Question 1	100		
Section A Code comments used		10		
Code executes successfully (No errors shown)		10		
	Total:	120		









PRE-ASSESSMENT AGREEMENT

Assessment Preparation: Preparing the Candidate

Student name and			Dat	:e	
surname	İ		Tim	ne	
Assessor name and surname			Ver	nue	
How to prepare to candidate	he	Document Requiremen	nts	Agı (tid	Action Required
Explain to the candidate	•	Assessment Policy			
you are meeting and the purpose of the assessm		Assessment process			
Discuss the assessment in detail.	plan	Assessment strategy			
Explain assessment pro- show assessment instru- to candidate and descri- assessment conditions.	ments	Assessment instruments			
Identify the role-players	5	Assessors			
during assessment.		Moderator			
Describe the evidence required to be declared competent.		Examples of evidence			
Explain how evidence will be judged.		Mark allocation explained			
Explain to the candidate to prepare: Give candid assessment task descrip	late	Assessment task descripti	ion		
Confirm with the candid what he/she should bring the assessment.		Detailed briefing on exact requirements to be given candidate in writing			
Ensure that candidate		Appeals Policy			
understands the procedures of all assessment practices.		Appeals procedure			
		Assessment Policy			
		Assessment Procedure			
		Moderation Policy			
		Moderation procedure			
		Verification Policy			
		Verification Procedure			









Ask the candidate if he/she	List needs	
foresees any problems or		
identify any special needs.		

	Agreed Asse	essment Plan		
Student name and surn	ame:			
Assessor name and surr	name:			
Module name:		Web Programming 1		
Unit Standard/s:		US115367		
		US115392		
Type of Assessment i.e. Formative assignment, Formative test, Formative Practical, Summative etc.		Summative Assessment 1		
Special Assessment Rec	quirements:	N/A		
Event	Date, time and location	Resources required	Evidence to be generated	
Assessments due date		Assessments	Completed documentation	
Complete activity on MyAIE and upload to MyAIE			Completed Portfolio of Evidence	
Submit Portfolio of Evidence				

	Assessor Roles and Responsibility
Roles	Assessor
	Guide
	Feedback Agent
	Reviewer
Responsibilities	Consult candidate re-assessment, assessment process and plan.
	Agree assessment process and plan with candidate.
	Forward documentation to candidate: plan, guide and assessment instruments.
	Assess candidate with the use of different instruments.
	Provide feedback on assessment findings.
	Support candidate through assessment process.
	Source feedback from candidate on assessment process.









Review assessment process and outcome.

Use assessment process as opportunity to transform assessment activities and outcomes.

	Candidate Roles and Responsibility
Roles	LeanerFeedback agentReviewer
Responsibilities	 Be available for assessment. Be actively involved in the consultative process. Learn from the assessment process. Provide feedback to the assessor in terms of the assessment as learning activity. Provide feedback to the assessor on the efficacy of the assessment process. Review own role and assessor role in the assessment process.
Assessment Instruments	 Portfolio of Evidence Questionnaire Report Presentation Reflexive questions Work sample Practical's Group Activity Research activities

Assessment Process

- Evaluation of POE addressing Essential Embedded Knowledge in unit standards.
- Evaluation of Research Projects and other evidence addressing specific unit standards.
- Consultation: assessment plan and assessment activities and instruments. Pre-assessment moderation and interviews conducted at this stage.
- Observation: feedback on assessment against specific outcomes, critical outcomes in unit standards.
- Feedback: to candidate regarding sufficiency of evidence and possible interview to gain supplementary evidence.
- Feedback to candidate regarding assessment findings as well as review process.









Feedback	Written feedback to be given to all stakeholders at the end of the assessment process, as well as verbal feedback to the candidate		
	during assessment activities.		
	during assessment activities.		
Recording	Process and findings to be recorded and submitted for record		
Process	keeping purposes as well as moderation and verification.		
Review Process	The review process is the responsibility of the assessor and the		
	candidate. Joint reviewing will take place after feedback has been		
	given to the candidate.		
Right to appeal	The candidate must be advised of the right to appeal.		
Resources	Assignments		
Required	• POE		
	 Assessments 		
	• Guides		

I confirm that:

Signed:

- I have been consulted on and have agreed to the training and assessment process as detailed in the assessment guide.
- I have been advised of my right to appeal against any assessment that is unfair, unreliable, invalid or impracticable.
- I have read and understood the appeal procedure.
- I know that assessments may be moderated or verified by an external party.
- The purpose of the assessment has been clearly explained to me.
- The criteria have been discussed with me, and I know I will be assessed against these criteria.
- I know when and where I will be assessed, and I was given fair notice.
- I know how the assessment will be done, and any other requirements related to the assessment.

Overall Assessment Decision	Competent	Not yet compe	tent	
Student's Signature		Date:		
Assessor's Signature		Date:		
Moderator's Signature		Date:		

Date:









ASSESSMENT FEEDBACK AGREEMENT

Assessment feedback: Feedback to learner

Qualification Name:	
Qualification SAQA Number:	
Subject Name:	Web Programming 1
Subject Code:	WEPR1
Assessment Name:	Summative Assessment 1
Assessment Code:	WEPR1_SA1
Assessment Type:	Summative

Foodback raport	1st At	tempt	2nd Attempt		
Feedback report	С	NYC	С	NYC	
Unit standard Number(s)					
US115367					
US115392					

General feedback to learner (Attempt 1)
Supply comprehensive feedback why learner is found NYC









	-						
Learner Number:							
Learner name and surname:		1	Date:				
Learner Signature:				1			
Lecturer name and surname:			Date:				
Lecturer Signature:				'			
Assessor name and surname:			Date:				
Assessor Signature:							
Moderator name and surname:			Date:				
Moderator Signature:							
Note to learner							
Review the feedback provided by your lecturer to check that you have been found competent in this assessment. If there are any areas where you have been found not yet competent, you must redo those parts of the assessment and resubmit within the stipulated time frame.							
The section below will only be completed in cases where the learner was asked to							
resubmit parts of the assessment where	e they were found	not yet compete	nt.				
General feedback to learner (Attempt 2)							
Supply comprehensive feedback why learner is found NYC							









Learner Number:			
		5.	
Learner name and surname:		Date:	
Learner Signature:			
Lecturer name and surname:		Date:	
Lecturer Signature:			
Assessor name and surname:		Date:	
Assessor Signature:			
Moderator name and surname:		Date:	
Moderator Signature:			







