

## Assignment front sheet

Qualification		Unit number and title	
Pearson BTEC Higher Nationals in Computing and Systems Development		Unit 10 HCI Unit 14: Web Site Design Unit 21 Software Testing	
Student name		Assessor name	
		Dr Derek Peacock	
Date issued	Completion date	Submitted on	
8th March 2016	21st June 2016		

Assignment title		A14.3: Testing a Web Site			
Unit & LO	Learning outcome (LO)	AC	In this assessment you will have the opportunity to present evidence that shows <b>you are able to:</b>	Task no.	Evidence (Page No)
U10 LO 3	Be able to develop a human computer interface	3.3	Critically review and test and interface	1	
		3.4	Analyse actual test results against expected results to identify discrepancies	1	
U14 LO 4	Be able to test interactive websites	4.1	critically review and test the website	1	
		4.2	analyse actual test results against expected results to identify discrepancies	1	
U21 LO 3	Be able to implement test plans	3.1	implement a test plan based on a given testing opportunity	1	
U21 LO 4	Be able to evaluate test plans	4.1	critically review the test outcomes	2	
		4.2	justify the validity of the test and identify any potential issues.	2	

**Learner declaration**

I certify that the work submitted for this assignment is my own and research sources are fully acknowledged.

Student signature:

Date:

**In addition to the above PASS criteria, this assignment gives you the opportunity to submit evidence in order to achieve the following MERIT and DISTINCTION grades**

<b>Grade Descriptor</b>	<b>Indicative characteristic/s</b>	<b>Contextualisation</b>
<b>M1</b> Identify and apply strategies to find appropriate solutions	Effective judgements have been made	<i>NO OPPORTUNITY</i>
<b>M2</b> Select/design and apply appropriate methods/techniques	Relevant theories and techniques have been applied	<i>NO OPPORTUNITY</i>
<b>M3</b> Present and communicate appropriate findings	Coherent, logical development of principles/concepts for the intended audience	<i>NO OPPORTUNITY</i>
<b>D1</b> Use critical reflection to evaluate own work and justify valid conclusions	Self-criticism of approach has taken place	<i>NO OPPORTUNITY</i>
<b>D2</b> Take responsibility for managing and organising activities	Effective planning, organising and managing of individual tasks	<i>NO OPPORTUNITY</i>
<b>D3</b> Demonstrate convergent/lateral/creative thinking	Innovation and creative thought has been applied	<i>NO OPPORTUNITY</i>

# Assignment brief

<b>Unit number and title</b>	Unit 10 HCI Unit 14: Website Design
<b>Qualification</b>	Pearson BTEC Higher Nationals in Computing and Systems Development
<b>Start date</b>	
<b>Deadline/hand-in</b>	
<b>Assessor</b>	Dr Derek Peacock

<b>Assignment title</b>	A14.3: Testing a Web Site
<b>Purpose of this assignment</b> The purpose of this assignment is to provide students with the opportunities to test a real modern e-commerce website application and in the process understand how to use and apply different testing strategies	
<b>Scenario</b> Valerian Software is a small software development firm newly established that is looking to develop novel dynamic interactive websites that make use of modern web development best practices. You have been recently appointed as a trainee web developer and you are required as part of your job to complete an on-going CPD program which will last two years. You have been asked to join a small team and to test and evaluate a website based system that has some commercial potential.	
<b>Task 1: (U10 3.3, U10 3.4, U14 4.1, U14 4.2, U21 3.1)</b> <b>As a team</b> devise a full test plan where each member of the team is responsible for testing at least three web pages with features. Carry out all the planned tests, recording the actual results and comparing them to the expected results. Individually analyse any differences between the actual and expected results and suggest ways of resolving the issues identified.	

**Task 2 (U21 4.1, U21 4.2)**

**Individually** critically review the test outcomes and justify the validity of the tests and identify any potential issues.

<b>Evidence checklist</b>	<b>Summary of evidence required by student</b>	<b>Evidence presented</b>
Task 1	A full test plan with the results of all the tests recorded and analysed	
Task 2	A report that critically reviews the test outcomes and justifies the validity of the tests and identifies potential issues	

# Achievement Summary

<b>Qualification</b>	Pearson BTEC Higher Nationals in Computing and Systems Development	<b>Assessor Name</b>	Dr Derek Peacock
<b>Unit Number and title</b>	Unit 10 HCI Unit 14: Website Design Unit 21 Software Testing	<b>Student Name</b>	
<b>Criteria Reference</b>	<b>To achieve the criteria, the evidence must show that the student is able to:</b>	<b>Achieved ? (tick)</b>	
<b>U10 3.3</b>	Critically review and test and interface		
<b>U10 3.4</b>	Analyse actual test results against expected results to identify discrepancies		
<b>U14 4.1</b>	critically review and test the website		
<b>U14 4.2</b>	analyse actual test results against expected results to identify discrepancies		
<b>U21 3.1</b>	implement a test plan based on a given testing opportunity		
<b>U21 4.1</b>	critically review the test outcomes		
<b>U21 4.2</b>	justify the validity of the test and identify any potential issues		

<b>Higher Grade achievements (where applicable)</b>			
<b>Grade descriptor</b>	<b>Achieved (tick)</b>	<b>Grade descriptor</b>	<b>Achieved (tick)</b>
<b>M1: Identify and apply strategies to find appropriate solutions</b>		<b>D1: Use critical reflection to evaluate own work and justify valid conclusions</b>	
<b>M2: Select / design and apply appropriate methods / techniques</b>		<b>D2: Take responsibility for managing and organising activities</b>	
<b>M3: Present and communicate appropriate findings</b>		<b>D3: Demonstrate convergent /lateral / creative thinking</b>	

# Assignment Feedback

**Formative Feedback: Assessor to Student**

**Action Plan**

**Summative feedback**

**Feedback: Student to Assessor**

**Assessor  
Signature**

**Date**

**Student  
Signature**

**Date**