COURSE NAME / CODE			BTEC National Subsidiary / Diploma / Extended Diploma in IT		
UNIT(s) No / Name			Unit 14 – Event driven programming		
LEVEL	3	Assignment No & Title	Assignment 3/Implement and Test		
LECTURER/ASSESSOR			Emmanuel Oladipo/		
ISSUE DATE			10/05/2017	**DEADLINE DATE**	24/05/2017
SUBMISSION DATE					
RESUBMISSION AUTHORISATION BY LEAD INTERNAL VERIFIER*				**AUTHORISATION DATE (BY IV)**	
RESUBMISSION DATE**					

- all resubmissions must be authorised by the **Lead Internal Verifier**. Only **one** resubmission is possible per assignment, providing:
- The learner has met the initial deadlines set in the assignment, or has met an agreed deadline extension
- The tutor considers that the learner will be able to provide improved evidence without further guidance
- Evidence submitted for assessment has been authenticated and accompanied by a signed and dated declaration of authenticity by the learner

Any resubmission evidence **must be submitted within 10 working days of receipt of assessment

Student declaration

I declare that this assignment is all my own work and the sources of information and material I have used (including the internet) have been fully identified and properly acknowledged as required.

STUDENT NAME	**SIGNATURE**

ASSESSMENT DETAILS & GRADING CRITERIA

(NB: Columns 1 &2 of the table below will be completed once the assignment has been submitted) Please note that criteria & evidence should be aimed to give the learner the maximum grade available within their qualification (i.e. A, Pass, Distinction)

Learning Aims Covered										
LO 4		Be able to implement event driven applications.								
GRADING CRITERIA FOR TASK		**EVIDENCE**	**1) EVIDENCE SEEN**		**Page No#**	**2) CRITERIA MET**				
			Y	**N**		**Y**	**I**	**N**	**IV**
P4	implement a working event driven application to meet defined requirements	**Implementation Screenshots** with explanation.							
P5	Test an event driven application.	Testing table and **screenshot** testing evidence.							
M3	analyse actual test results against expected results to identify discrepancies	Analysis **Table**							
D2	Evaluate an event driven application.	**Evaluation form** Annotation (Reports)							

KEY: Y = Yes, I = Incomplete, N = No

BREAKDOWN OF HOW GRADES WILL BE AWARDED: (NB: Please tick as appropriate)

TYPE OF QUALIFICATION	**TICK**	**DESCRIPTION**
BTECS / WORKSKILLS	√	Pass / Merit / Distinction / Fail
A LEVELS / A2		A-U

IV Full Name		**Sign**		**Date:**	
LIV Full Name		**Sign**		**Date:**	

BTEC SAMPLE MATERIAL

LEARNER CONSENT DECLARATION

Centre No & Name	**51330 – UTC Reading**	
Subject & Level	**BTEC National Subsidiary / Diploma / Extended Diploma in IT**	**3**
Unit No & Title	**Unit 14 – Event driven Programming**	
Learner No & Name		

I agree to the learner work identified above, after having been made anonymous, being used to support any of the following activities, which may involve the display of work online through the BTEC website or through publications:

- Professional Development and Training
- Centre Assessment Example Material
- Standardisation Support
- Publication Materials

Assessor Signature	
Name (block capitals please)	
Job Title	
Date:	

Learner Signature	
Name (block capitals please)	
Parent/Guardian consent if under 16 years of age	
Date:	

Please ensure that this sheet is completed on submission of your assignment.

Unit: 14
Assignment: 3
Implement and Test

Please note that your assignment **MUST** have the following:

1. Cover page
2. Contents page
3. Introduction
4. Conclusion
5. Bibliography

SCENARIO As a junior programmer working for an electronic games maker. Your managers have finally approved your event driven application design and they have asked you to implement it using event driven programming language.

You are therefore required to do the following:

- Implement the application interface and explain step by step how you did it
- Write your programs using event driven programming language
- Comment your program, include line spacing and indentation where necessary
- Provide screenshots of the debugging process and explain how the debugging was done
- Use error trapping code snippet to handle any possible error that may arise.
- Refine the implementation.
- Test your application using test data and provide the screen dump evidence.
- Complete the test plan table to reflect the testing has been done.
- Create an evaluation document and let someone do the evaluation

TASK 1: Evidence you must produce for this task. (Report)
Screenshots of the implemented interface.
Program/codes of the application.
A word processed documentation of how it was implemented.

To achieve the criteria you must show that you are able to:	**Unit**	**Criterion Reference**
Implement a working event driven application to meet defined requirements.	14	P4
Describe step by step how you did it and provide screen shots	14	P4

TASK 2 Evidence you must produce for this task. (Report)
Testing table
Screenshots of testing with test data

To achieve the criteria you must show that you are able to:	**Unit**	**Criterion Reference**
Test your implemented event driven application.	14	P5

Explain the testing process using screenshots.	14	P5

TASK 3 Evidence you must produce for this task.

Test table showing the analysis i.e. item being tested, expected outcome, actual outcome and corrective action taken if any.

To achieve the criteria you must show that you are able to:	Unit	Criterion Reference
Create a table of analysis to include corrective action	14	M3
Comment on the actual results of testing	14	M3

TASK 4 Evidence you must produce for this task.

Evaluation form

Annotation to reflect evaluation

To achieve the criteria you must show that you are able to:	Unit	Criterion Reference
Create an evaluation form	14	D2
Evaluate the event driven application you have created	14	D2
Reflect the evaluation in the annotation of work	14	D2
Refine the application in view of the evaluation done	14	D2

P4	P5	M3	D2
☐	☐	☐	☐
Ms Word Report	Ms Word Report	Ms Word Report	Ms Word Report
☐ Implementation screen Shots.	☐ Testing Table	☐ Analysis Table	☐ Evaluation Form
☐ Programs screenshot	☐ Testing Screenshots With test data.	☐ Debugging	☐ Annotation
☐ Documentation		☐ Error Handling	☐ Refinement

Sources of information	
	Textbooks • Balena F – Programming Microsoft Visual Basic 6 (Microsoft Press US, 1999) ISBN-10: 0735605580, ISBN-13: 978-0735605589 • Bond M, Law D, Longshaw A, Haywood D and Roxburgh P – Sams Teach Yourself J2EE in 21 Days, 2nd Edition (Sams, 2004) ISBN-10: 0672325586, ISBN-13: 978-0672325588 • Palmer G – Java Event Handling (Prentice Hall, 2001) ISBN-10: 0130418021, ISBN-13: 978-0130418029 • Longshaw J and Sharp J – Visual J#.NET Core Reference (Microsoft Press US, 2002) ISBN-10: 0735615500, ISBN-13: 978-0735615502 • Suddeth J – Programming with Visual Studio.NET 2005 (Lulu.com, 2006) ISBN-10: 1411664477, ISBN-13: 978-1411664470 • Troelsen A – Pro C# 2005 and the.NET 2.0 Platform, 3rd Edition (Apress US, 2004) ISBN-10: 1590594193, ISBN-13: 978-1590594193 **Websites** • eventdrivenpgm.sourceforge.net • www.vbexplorer.com/VBExplorer/VBExplorer.asp www.vbwm.com

SUMMATIVE ASSESSMENT RECORD SHEET					
Programme	BTEC National Subsidiary / Diploma / Extended Diploma in IT	**Learner Name**		**Assessor Name**	Emmanuel Oladipo
Unit No. & Title	**14/Event driven programming**	**Target Learning Aims**	Be able to implement event driven applications.	**Issue Date**	Click here to enter a date.
Assignment No & Title	3/ Implement and Test			**Final Submission Date**	Click here to enter a date.

Target criteria	Criteria Achieved	Final Assessment Comments
P4		
P5		
M3		
D2		

Summative comments

Assessors declaration			
I certify that the evidence submitted for this assignment is the student's own and the learner will be able to provide improved evidence without guidance. I understand that any false declaration is a form of malpractice.			
Resubmission authorisation*		**Resubmission Date:**	Click here to enter a date.
* All resubmissions must be authorised. Only 1 resubmission is possible per assignment.			
Assessor Signature		**Date:**	
Learner comments			
Learner Signature		**Date:**	