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 1/How to Start		
LECTURER/ASSESSOR			Emmanuel Oladipo/		
ISSUE DATE			15/03/2017	**DEADLINE DATE**	30/03/2017
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)

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STUDENT NAME	**SIGNATURE**

ASSESSMENT DETAILS & GRADING CRITERIA

Learning Aims Covered	
LO1 and LO2	Be able to explain the features of event driven programming. Be able to use the tools and techniques of an event driven language.

GRADING CRITERIA FOR TASK		EVIDENCE	1) EVIDENCE SEEN		Page No#	2) CRITERIA MET			
			Y	N		Y	I	N	IV
P1	Explain the key features of event driven programs	Task 1. A Microsoft word **Report** containing **all** of the items in the p1 checklist							
P2	demonstrate the use of event driven tools and techniques	Screen shots of demo of at least **5** items specified in p2 checklist							
M1	Discuss how an operating system can be viewed as an event driven application	**A** Microsoft word **Report** on event driven **OS** to contain all items in M1 checklist							
D1	evaluate the suitability of event driven programs for non-graphical applications	**A** Microsoft word **Report** to contain at least 3 pros and 1 cons in the specified D1 checklist							

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

Scenario	You are working as a junior programmer for an electronic games maker company. Your managers have asked you to write a short guide to the basics of event driven programming and to demonstrate some of the techniques.

Task 1	**Features of event driven programming** Prepare a presentation (up to 10 slides) which 1. Define what is meant by event driven programming 2. Give examples of event driven systems 3. Give examples of programming languages used to create event driven programs 4. Explain the features of event driven programming
Evidence you must produce for this task	• Power point presentation / Word document

Criteria covered by this task:P1		
To achieve the criteria you must show that you are able to:	**Unit**	**Criterion reference**
1. Define event driven programming	14	P1
2. Explain the features of event driven programming Languages	14	P1

3. Give examples of event driven systems	14	P1

Task 2	You have been asked to demonstrate the use of event driven tools and techniques in an induction training to educate new apprentice candidates by your Manager. You are to create a demonstration guide to help them use event driven tools and techniques.
Evidence you must produce for this task	• Word document /User guide

Criteria covered by this task: P2

To achieve the criteria you must show that you are able to:	Unit	Criterion reference
Demonstrate how to apply Tools and techniques: e.g. use of tool boxes and controls, selection, loops, event handlers, triggers, objects and object properties, menus; debugging tools	14	P2
Demonstrate how to apply Variables: declaring variables; scope of variables; constants; data types	14	P2

Task 3	• You have also been told to include a tutorial documentation on the role of event driven programming on operating systems in your training pack. You are to give a training manual on the role played by event driven programming on operating systems.
Evidence you must produce for this task	• Power point presentation / Word document/Screenshot of operating system clickable items.

Criteria covered by this task:

To achieve the criteria you must show that you are able to:	Unit	Criterion reference
Give examples of event driven operating system with reference to GUI, icons etc.	14	M1
Discuss how an operating system can be viewed as an event driven application	14	M1

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

Internal Verification of Assignment Brief

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.

Please note that your assignment **MUST** have the following (unless otherwise stated):

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

P1	P2	M1	D1
Ms Word Report	Ms Word Report	Ms Word Report/ Power point	Ms Word Report/ Power point
☐ Service Oriented	☐ Triggers	☐ Event driven OS examples with justification	☐ Examples of non-graphical event driven applications
☐ Time driven	☐ Key press	☐ Advantages of event driven OS	☐ The pros and cons of non-graphical event driven applications
☐ Event Handler	☐ Alarm	☐ Disadvantages of event driven OS	
☐ Trigger functions	☐ System event		
☐ Events	☐ Touch screen Events		
☐ Event loops	☐ Mouse click		
☐ Flexibility	☐ Tool box and controls		
☐ Suitability for GUI	☐ Selection and Loops		
☐ Simplicity of Programming	☐ Loops		
☐ Ease of development	☐ Debugging tools		
	☐ Menus		
	☐ Variables and constants		
	☐ Data types and arrays		

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 explain the features of event driven programming. Be able to use the tools and techniques of an event driven language.	**Issue Date**	Click here to enter a date.
Assignment No & Title	**1/How to Start**			**Final Submission Date**	Click here to enter a date.

Target criteria	Criteria Achieved	Final Assessment Comments
P1		
P2		
M1		
D1		

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:**	