Assignment Brief

Qualification	BTEC Extended National Diploma in IT
Unit number and title	Unit 14 Event Driven Programming
Learning aim(s) (For NQF only)	1. Understand the features of event driven programming 2. Be able to use the tools and techniques of an event driven language
Assignment title	Assessment 1: Event Driven Features
Assessor	
Hand out date	w/b 25th Sep 2017
Hand in deadline	w/b 23rd Oct 2017

Vocational Scenario or Context	You are working for "Lets Train U", a training organisation that provides training in its own training centres, on customer's sites and as an on-line resource. You have been given the job of producing an article (suitable for posting on the web site) that explains the features of event driven applications, and that demonstrates the use of event driven tools and techniques

Task 1	Research and write an article that explains the features of event driven applications (**P1**) including:- • Event handlers and triggers • User interface controls in web pages and windows applications • Objects with properties and methods • Event loops • Graphical user interfaces (GUI) and Integrated Development Environments (IDEs) Discuss how an operating system such as Windows can be viewed as an event driven application (**M1**) Evaluate the suitability of event driven programming for non-graphical application such as system control applications (D1).
Checklist of evidence required	**P1:** An article that illustrates the above event driven features and tools **M1**: An article that discusses windows as an event driven application **D1**: An article that evaluates the suitability of event driven programming for non graphical applications

Criteria covered by this task:	
Unit/Criteria reference	To achieve the criteria you must show that you are able to:
P1	explain the key features of event driven programs
M1	discuss how an operating system can be viewed as an event driven application
D1	evaluate the suitability of event driven programs for non-graphical applications

Task 2	Prepare some examples of the use of event driven tools and techniques in developing applications (**P2**). Using these examples, give reasons for the tools and techniques used in developing the applications (**M2**). Your examples should include:-
Checklist of evidence required	**P2:** Web pages or a document containing illustrated examples of using event driven tools and techniques • The use of toolboxes and a at least four different user interface controls • The use of objects and properties • The use of at least four different triggers for event handling • The use of debugging tools • The declaration of variables. **M2:** Reasons for using the above tools and techniques
Criteria covered by this task:	
Unit/Criteria reference	To achieve the criteria you must show that you are able to:
P2	demonstrate the use of event driven tools and techniques
M2	give reasons for the tools and techniques used in the production of an event driven application