Unit:
Skills for Computing

Assignment title:
Creation of a Website for a Hotel Chain

Sample Assignment

Important notes

- Please refer to the Assignment Presentation Requirements for advice on how to set out your assignment. These can be found on the NCC Education website. Click on ‘Policies & Advice’ on the main menu and then click on ‘Student Support’.

- You must read the NCC Education documents What is Academic Misconduct? Guidance for Candidates and Avoiding Plagiarism and Collusion: Guidance for Candidates and ensure that you acknowledge all the sources that you use in your work. These documents are available on the NCC Education website. Click on ‘Policies & Advice’ on the main menu and then click on ‘Student Support’.

- You must complete the Statement and Confirmation of Own Work. The form is available on the NCC Education website. Click on ‘Policies & Advice’ on the main menu and then click on ‘Student Support’.

- Please make a note of the recommended word count. You could lose marks if you write 10% more or less than this.

- You must submit a paper copy and digital copy (on disk or similarly acceptable medium). Media containing viruses, or media that cannot be run directly, will result in a fail grade being awarded for this assessment.

- All electronic media will be checked for plagiarism.
**Scenario**
You have been hired by a UK hotel chain that has four hotels. Each hotel has 50 rooms, 4 event rooms that can be booked by companies for meetings or for weddings, and a restaurant where tables can be booked in advance.

You have been asked by the management of the hotel chain to build a new website to:

- display information about the hotels in the chain along with contact details and maps
- allow customers to view room availability across the hotels
- allow customers to register as a new customer, storing their personal data and credit card details
- allow customers to book rooms through the website
- allow customers to view availability in the restaurant and book a table in advance
- allow businesses to view event room availability and book a room
- allow customers and businesses to pay securely online
- interact with the current booking system implemented in the hotels

The hotel has allocated a budget of £15,000 for the project. The problem that you must solve is how you will spend the money to get the best results, with the aim of having a website that is capable of meeting the above stated requirements and that the staff members can update directly.

The management team has requested a detailed report on your plans before they make the funds available. This should include any assumptions you have made.

**Task 1 – Report Content (90 Marks)**

Prepare a report on your problem solving activities and solution. The nature of the report is that asked for at the end of the scenario stated above. The following subsections must be included in your report.

1. Plan (10 marks)
2. Description of Problem Solving Process
   a) Problem definition (20 marks)
   b) Identifying Selection Criteria (20 marks)
   c) Process of selection (evaluation of solutions) (20 marks)
   d) Details of recommended solution, with justification (20 marks)

**Task 2 – Report Structure (10 Marks)**

- Table of Contents (2 marks)
- Introduction (a brief overview of the report) (2 marks)
- Main Body (Task 1) (2 marks)
- Conclusion (a brief summary of the report) (2 marks)
- List of References (2 marks)
**Guidance**
You should write your report in your own words, using appropriate language. You can assume that the reader has studied this module, so you do not need to provide detailed explanations of technical terms that have been covered. You do need to use technical terms appropriately in your report.

Any material that you have used to inform your report should be included in the list of references and cited within the main body of the report. You must not copy and paste any material from the Internet or other sources.

You must write your report in your own words and support it with diagrams if appropriate.

**Submission requirements**
A word-processed document. The word count for this document is **1500 words**.

**Candidate checklist**
Please use the following checklist to ensure that your work is ready for submission.

- Have you read the NCC Education documents *What is Academic Misconduct? Guidance for Candidates* and *Avoiding Plagiarism and Collusion: Guidance for Candidates* and ensured that you have acknowledged all the sources that you have used in your work? [ ]
- Have you completed the *Statement and Confirmation of Own Work* form and attached it to your assignment? **You must do this.** [ ]
- Have you ensured that your work has not gone over or under the recommended word count by more than 10%? [ ]
- Have you ensured that your work does not contain viruses and can be run directly? [ ]