



Unit:
Dynamic Websites

Assignment title:
Lindisfarne Safari Park

September 2017

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.

Introduction

Lindisfarne Safari Park has just opened on Lindisfarne Island and it needs a website to help the owners attract visitors. This needs to include an online booking system and details of the facilities and animals at the park. You have been commissioned by the owners to produce a web-based application, which will enable customers to view the facilities at the safari park and book tickets online.

The owners have asked you to create a Booking System which allows visitors to create their own personal account. The system will store the personal details of each customer, their email address, postal address including postcode and gender so that appropriate marketing material can be sent in future. Different prices are charged during the busier summer months and tickets are available for Adults, Children, Old Age Pensioners (OAPs) and Families (including 2 adults and 2 children).

Prices of each ticket type will be presented in local currency (pounds, euros and dollars). The system also needs to allow the owners to modify bookings. Seasonal discount tickets are available at various times of the year when visitor numbers are low and this should be incorporated into the system.

Clients need to create their own account to log into the system. Once they log in they should be presented with an interface that allows them to:

- View opening times
- Book VIP visits including Zoo Keeper, Off Road Experience and Feed the Elephants
- View the prices in their local currency
- Book tickets and find out the total cost in their local currency. Note: The actual payment system will be a future development so you just need the system to send the owners an email requesting the booking.

You are expected to use a combination of PHP, MySQL and JavaScript to create this application. Your application should also make use of a web service to show the bookings that have been made and available party dates.

Task 1 – 10 Marks

Create a setup page and tables for the Lindisfarne Safari Park.

Task 2 – 15 Marks

Create the login and registration system. This should include username and password and store personal details and an email address. To gain the highest marks for this task you should make the system as robust as possible.

Task 3 – 10 Marks

Ensure that the owners can add different types of tickets to the database and VIP visits as this service grows. The system should allow the owners to load images of the animals and VIP visits along with a description.

Task 4 – 10 Marks

Ensure that visitors can see the dates/times the park is open and when special offer tickets are available. You will need to be able to produce an online calendar to display this information.

Task 5 – 10 Marks

Ensure that the owners can modify bookings at the request of visitors. However they cannot be deleted.

Task 6 – 15 Marks

Create the booking availability system to enable visitor tickets to be booked. Available booking dates should be displayed. Send an email confirming that the tickets have been booked.

Task 7 – 10 Marks

Ensure that the booking system can calculate the total cost of the different tickets booked. The total cost is based on the total number of visitors attending multiplied by the cost per ticket.

Task 8 – 10 Marks

Explain how the system might be extended to add the online payment facility. What would this involve? What coding would be required?

Task 9 – 10 Marks

You are required to write a 500 word reflection on this activity. Consider the following questions:

1. What have you learnt?
2. How could the system be improved or further developed?
3. Which parts of the development did you find most difficult?

Submission requirements

- For each task, you should present the necessary code and screen dumps in a word-processed document.
- All references and citations must use the Harvard Style.

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? ☐