WEBSITE PROGRAMMING   **5206/A**

Optional Module: Practical Assessment   **2007**

1 hour plus 15 minutes reading time

Additional Materials: Candidate Source Files

READ THESE INSTRUCTIONS FIRST

Candidates are permitted **15 minutes** reading time before attempting the paper.

Make sure that your **Centre number**, **candidate number** and **name** are clearly visible on **each printout** that you are asked to produce, before it is sent to the printer.

Carry out **every** instruction in each task.

Tasks are numbered on the left hand side of the page, so that you can see what to do, step by step. On the right hand side of the page for each task, you will find a box which you can tick (✓) when you have completed the task; this checklist will help you to track your progress through the assessment.

Before each printout you should proof-read the document to make sure that you have followed all instructions correctly.

At the end of the assignment put **all** your printouts into the Assessment Record Folder.

This document consists of **4** printed pages.

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[Turn over

You work for Tawara Pleasure Ferry Company and you are going to create some web pages for them.

✓

1   Download the file **AWPA7REQ.CSV** from
     http://www.hothouse-design.co.uk/2007webproga to your own work area.   ☐

2   Create a table in a database suitable for use with your web server and import   ☐   **3.1.1**
     the file **AWPA7REQ.CSV** into this table. The fields are *CustomerID, DateReq,*
     Delivery, StayonList and *Item*

3   On a new web page create a form which looks like the diagram below, with: ☐   **1.1.1**
     - **Customer ID** and **Date Required** as text input boxes   **1.1.2**
     - **Delivery** choice as option (radio) buttons   **1.1.3**
     - **Stay on mailing list** as a check box   **1.1.4**
     - **Gift Item** as a list box   **1.1.5**
     - **Save** as a submit button

     The form action should open a page or script which can validate and save the
     data to a database.

Tawara Pleasure Ferry Company

To order your gift, please complete the form below:

Customer ID (5 digit number):

[   ]

Date Required: (ddmm eg 1305)

[   ]

Delivery: Next Day   O   3-5 days O   Stay on mailing list   ☐
Gift Item | Model Ferry |
                 | DVD of Cruise |
                 | Ferry History Book |
                 | Ferry T Shirt |

                                                                        [Save]

✓

4 Create a script which processes the data. It should check that: ☐ **2.1.1**
- *DateReq* is numeric and 4 digits long **2.1.2**
- The value of the first 2 digits of *DateReq* is between 1 and 31 **2.3.1**
- The value of the last 2 digits of *DateReq* is between 1 and 12 **2.3.2**

3.1.2

If any of these checks fail, the script should return a page to the browser
which shows:
- all the data entered on the form
- the error message **Data is not valid**
- your name and today's date.

If the data is valid, then the script should return a page to the browser which
shows:
- all the data entered on the form
- the message **Data is saved**
- your name and today's date.

If the data is valid, then the script should store a new record in the database
as follows:

- in the *Delivery* field store **N** if next day is chosen or **3** if 3-5 days is
  chosen
- in the *StayOnList* field store **1** if the box is checked or **0** if it is not
  checked
- in the *Item* field store the gift name as the full string (eg Ferry T Shirt)
- in the *CustomerID* and *DateReq* fields store the text as entered.

5 Use your web form to enter data for the following request: ☐ **4.1.1**

Customer ID: **96521**
Date Required: **2303**
Delivery: **Next Day**
Stay On List: **Yes**
Gift Item: **Ferry History Book**

Click *Save* and print the page which appears.

6 Use your web form to enter data for the following request: ☐ **4.1.1**

Customer ID: **76349**
Date Required: **0731**
Delivery: **3-5 Days**
Stay On List: **No**
Gift Item: **DVD of Cruise**

Click *Save* and print the page which appears.

7 Create a web page which selects all the records where *StayOnList* is **1** AND ☐ **2.2.1**
Item is **Ferry History Book** **2.2.2**
For each record show the *CustomerID, DateReq* and *StayOnList* fields. **2.3.2**

4.1.1

Open this page and print it.

✓

8   Print out the page created at step 3 showing the HTML.   ☐   **4.1.1**

9   Print out the page(s) and scripts which you used to validate and save the data   ☐   **4.1.1**
       showing the HTML and code.   **4.1.2**

   On your printout highlight those parts of the code which:

   - check that the *DateReq* is numeric and 4 digits long
   - check that the value of the first two digits of *DateReq* is between 1 and 31
   - check that the value of the last two digits of *DateReq* is between 1 and 12
   - write data to the database
   - write the confirmation page
   - write the error page.

   (This highlighting may be done after the 1 hour allowed for the paper.)