

UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS  
Cambridge International Diploma in ICT  
Advanced Level

**WEBSITE PROGRAMMING**

**5206/A**

Optional Module: Practical Assessment

2006

No Additional Materials are required

**1 hour  
plus 15 minutes reading time**

**READ THESE INSTRUCTIONS FIRST**

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

Make sure that your **name**, **centre number** and **candidate number** are **printed** on **each page** that you are asked to produce.

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.



You work for the Hotel Stella at Tawara Beach and you are going to create some web pages for them.

- 1 Download the file **AWPA6REQ.CSV** from <http://www.hothouse-design.co.uk/2006webproga> to your own work area.  ✓
- 2 Create a table in a database suitable for use with your web server and import the file **AWPA6REQ.CSV** into this table. The fields are *Name, Phone, Gender, Previous* and *Course*  3.1.1
- 3 On a new web page create a form which looks like the diagram below, with:  1.1.1
- **Name** and **Phone number** as text input boxes 1.1.2
  - **Gender** choice as option (radio) buttons 1.1.3
  - **Previous attendance** as a check box 1.1.4
  - **Course** 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.

**Hotel Stella**

Please fill in the information below:

Name:

Phone number: e.g. 912-123456

Gender:      Male       Female       Previous Attendance

Course

Gardens and Gardening
Wines of the World
Art and Antiques
Great Literature

- 4 Create a script which processes the data. It should check that:  2.1.1  
 • *Phone* contains a hyphen (-) at position 4  2.3.1  
 • all other characters in *phone* are numeric.  2.3.2  
 3.1.2
- If either of these checks fails, the script should return a page to the browser which shows:
- the data entered
  - 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:
- the data entered
  - 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 *Gender* field store **M** if male is chosen or **F** if female is chosen
  - in the *Previous* field store **1** if the box is checked or **0** if it is not checked
  - in the *Course* field store the course name as the full string (e.g. Art and Antiques)
  - in the *Name* and *Phone* fields store the text as entered.
- 5 Use your web form to enter data for the following request:  4.1.1
- Name: **John Keating**  
 Phone: **964-765432**  
 Gender: **Male**  
 Previous: **Yes**  
 Course: **Art and Antiques**
- Click *Save* and print the page which appears.
- 6 Use your web form to enter data for the following request:  4.1.1
- Name: **Beatrice Parker**  
 Phone: **912 615 234**  
 Gender: **Female**  
 Previous: **No**  
 Course: **Wines of the World**
- Click *Save* and print the page which appears.
- 7 Create a web page which selects all the records where *Gender* is **male** AND  2.2.1  
*Course* is **Art and Antiques**  2.2.2  
 For each record show the *Name*, *Phone* and *Previous* fields.  2.3.2
- 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 showing the HTML and code.  4.1.2

On your printout highlight those portions of the code which:

- check that the *Phone* number contains a hyphen (-) at position 4
- check that the *Phone* number contains only digits other than the hyphen at position 4
- 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.)*