

**Department of Labour,
War Invalids and Social Affairs**

**CAN THO SKILLS 2015
TEST PROJECT: WEB DESIGN**

AGENDA

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1. CONTENTS

This document outlines the modules for the test project. Each module has requirements, which are listed, with each respective module below.

2. INTRODUCTION

The Test Project you will be doing is modular and is comprised of 2 modules. Every module focuses on different aspects of the Web Design skill. Each module is independent of the other module.

3. TEST AND TASKS DESCRIPTIONS

Competitors have 4 hours and 30 minutes for completing 02 modules and 10 minutes for presentation. Competitors must finish each module on time. When having finished the current module, competitors can proceed to the next module.

Note: Save each module in separated directories as instructed.

Details of tasks of each module are given in Part 4 (General Instructions For Competitors). Evaluation methods and detail requirements are in Marking Scheme section.

4. GENERAL INSTRUCTIONS FOR COMPETITORS

Each competitor's task is finishing 02 modules as required. Some contents of the modules will be given to competitors. These contents may be changed up to 30%.

Module A

TASK INTRODUCTION

Server-side Programming with PHP / MySQL

A British pub specialized in a large variety of local appetizers, soups and entrees. The pub needs a small website to present its menu. The customers should be able to register themselves on the website and post comments about the menu items.

Some colleague of the owner has built a very simple static HTML -Template containing the overall layout of the pages. You will be provided with this HTML, CSS, JS skeleton and some images that you can use for this task. You will not be marked on your Design, HTML, CSS, JS skills for this module.

Your task will be to build a flexible backend framework with the requested functionality, specified below. You can modify / update the media files provided to perform the operations / requirements requested in the application. Yet it is the responsibility of the competitor to ensure the correct functioning of the modified files – you might need to adjust the path to the CAPTCHA in rating.js and the path to the directories in Tag.js.

DESCRIPTION OF PROJECT AND TASKS

Public Area

Any visitor can see a **list of menus** grouped by category. The category shows the rating information (average rating e.g. 4.3, number of ratings) calculated from all menu items in this category (1=bad .. 5=delicious) and an image of a menu in this category. Each item shows the menu title with a link to detail view and price. The items are sorted by title for each category.

On this overview, the visitor can get an RSS-feed containing all menu data including ratings by clicking on the icon at the bottom of the list (see example in /feed/index.xml):

```
<?xml version="1.0" encoding="UTF-8"?>
<rss version="2.0"
  xmlns:atom="http://www.w3.org/2005/Atom"
  >
  <channel>
    <title>Gordon's Crown Menus</title>
    <link>http://www.domain_of_gordons_crown.com/</link>
    <atom:link href="http://www.domain_of_gordons_crown.com/feed/" rel="self"
type="application/rss+xml" />
    <description>This is RSS Feed of Gordon's Crown Menus</description>
    <language>en</language>
    <item>
      <title>Menu 1</title>
      <link>http://www.domain_of_gordons_crown.com/link_to_menu_1</link>
      <guid isPermaLink="false">http://www.domain_of_gordons_crown.com/link_to_menu_1</guid>
      <category><![CDATA[Salads]]></category>
      <description><![CDATA[
        <p>xx xxxx xx ...</p>
        <div name="menuimage"></div>
        <div name="menueprice">Price: GBP 5.55</div>
        <div name="menuerating">Rating: 4.3 (132 ratings)</div>
        <div name="menuetags">Tags: <a
href="http://www.domain_of_gordons_crown.com/link_to_tag_1">Tag 1</a>, <a
href="http://www.domain_of_gordons_crown.com/link_to_tag_2">Tag 2</a></div>
]]></description>
      </item>
    // add more items here
  </channel>
</rss>
```

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Gordon's Crown Menus

This is RSS Feed of Gordon's Crown Menus

[Menu 1](#)

xx xxxx xx ...



Price: GBP 5.55
 Rating: 4.3 (132 ratings)

In the **menus detailed view**, the title, price, category, image, description, average rating (e.g. 4.3) with number of ratings of the menu item

Every visitor can add his own rating once per browser session and menu item by choosing an integer number between 1=bad and 5=delicious.

To submit the rating, he has also to supply/type the text from a CAPTCHA shown. This text is checked for matching with a variable on the server side. If the text does not match, the rating is not saved and an error message ("Text did not match the text on the CAPTCHA image. Try again with a new one!") is displayed below the submit button (use span-tag with class "message error") and the user can try again.

General requirements

- The user wants to see some feedback message about his action (add rating, CAPTCHA).
- The input values have to be checked (rating) and handled safely (guard against PHP or SQL injection and XSS).
- Presentation, Logic and Configuration are clearly separated
- Classes and Objects are used
- The URL need to be clean (no URL parameters with ? and &)
- PHP code uses proper indenting

INSTRUCTIONS TO THE COMPETITOR

Please upload the project to your space on the server regularly into directory “Module A”
Information about the static frontend provided:

Extract the contents of the ZIP-File onto the webserver. On the menu “Davy's classic prawn cocktail” you can see the details how they are to be shown to the public visitor.

Module B

INTRODUCTION

Your task is to cutup the provided psd London Tourist design for Task B into HTML / CSS.



(Task B.jpg)

An animation will also need to be created within the space allocated to display the following slides:

1. The food.
2. The people.
3. The city.
4. The country.

You have to decide how much of the media is needed to complete your task. It is not necessary that you use all of the media provided, and you may add additional information or create your own media to support your animation design concept.

DESCRIPTION OF PROJECT AND TASKS

1. HTML / CSS

- The website code should validate to HTML 5.
- Your CSS code must validate to CSS 3 (excluding vendor extensions).
- Place comments through your XHTML and CSS to highlight what your code is doing.
- Cross-browser compatible between Chrome and Firefox.
- The design will be marked within Chrome and Firefox.

2. Animation

- The animation must relate to the design of the website provided.

- A pre-loader must be used to show the % loaded and a bar that visualises the current % that has loaded.
- The animation must loop through each slide continually.
- The animation must highlight what slide you are currently on.

For example. slide 4 would show something similar to:

<1> <2> <3> <4>

3. Video Player

- The provided video file must be embedded into the page .

INSTRUCTIONS TO THE COMPETITOR

Save the final website into your marking folder in a folder called "Module B".

5. EQUIPMENTS, SOFTWARE AND OTHER REQUIREMENTS (MINIMUM REQUIREMENTS)

5.1 COMPUTER

- CPU Core 2 Duo
- 2 GB RAM
- VGA Card: 256 MB
- Sound card
- HDD 80 GB or higher
- Monitor >=15 inch
- CD-ROM drive 52X
- OS: Windows 7
- LAN Connection
- Headphone (optional)
- Speaker (optional)

5.2 SOFTWARE

- Microsoft Windows 7 Professional
- Microsoft Office 2007
- Web browser – Internet Explorer 9
- Adobe CS5.5 Full.
- Adobe Acrobat Reader 10.
- MS Expression Studio 4.0
- Ultra Edit Version
- FileZilla Client version 3.5.3
- Cute FTP 8.x
- Xampp Version 1.7.7
- PHP Desinger version 8.0
- PHP Referentce Manual
- Live HTTP Headers Version 0.17

- Notepad++ Version 5.8.7
- Shockware version Lastest at build time
- Flash player (FireFox)
- Web Browser – FireFox 10.0.2
- Web Developer Toolbar (Firefox Plugin – lastest version)
- X-ray (Firefox plugin – lastest version)
- Firebug (Firefox plugin – lastest version)
- Web browser – chrome 17
- Flashplayer (Google chrome plugin)
- Flashplayer (Firefox plugin)
- Symantec Endpoint Protection
- Java Virtual Machine
- Windows live Movie maker
- Eclipse PDT 2.2.0

6. MARKING SCHEME :

Order	Module	Module Name	Score	Subjective Score	Objective Score
1	A	Function programming	50	0	50
2	B	Designing HTML/CSS layout	40	10	30
		Presentation	10	2	8
Total:			100	12	88

7. TEST DURATION:

Order	Module	Module Name	Duration
1	A	Function programming	3h00h
2	B	Designing HTML/CSS layout	1h30'
		Presentation	0h10'
Total:			4h40'

Detailed marking scheme obeys rules and regulations of VIETNAM SKILLS.