Assessment Information for the Candidate:
ICTWEB430 - Produce server-side script for dynamic web pages

Candidate name:			
Employer:			
Contact phone:			
Date / time of assessment:		**Location:**	
Assessment Name:			

Assessment details	
Unit/s of Competency:	ICTWEB430 - Produce server-side script for dynamic web pages
Assessor/s name:	
Approx. time required:	
Equipment / materials required:	Access to The internet PC with Visual Studio Code IDE or Visual Studio Community Programming standards Any required hardware Software development tools

Assessment methods and tasks	
For this assessment you will be required to…	- Analyse the requirements for web documents requiring server-side dynamic interaction - Design server-side scripts - Produce the web documents - Test the scripts and debug - Set up security.
Allowable adjustments:	If the date and time of the assessment is not suitable for you, contact your assessor to make alternate arrangements. If you feel you will have difficulty completing these tasks due to disability or other condition, your assessor should already be aware of this because it was disclosed during your enrolment, however if you have concerns, please contact your assessor or student support.
Appeal process:	Please consult the Appeals Policy located in your Student Information Pack for more detail. If you require a copy of this policy, contact your assessor or student support.

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Instructions – Website development – Back end

Note

While this assessment is set up to be a stand-alone assessment it can also be part of a larger project. If your course has the following two units, then you should review the assessment instructions for those two units before you commence this assessment.

1. ICTWEB441
2. ICTWEB517

If you do not have any other web units in your course them continue with the assessment as it is.

Scenario

You have been asked to develop a website for a local Veterinarian practice. This project should be coded using ASP.NET in an IDE such as Visual Studio or VS Code.

The website is a basic shop front type website to promote the Vet's business. You are provided with information about the Vet and some other resources to complete this task. The Vet is a dog specialist but does treat other suburban pets. The Vet does not have any rural clients although is happy to see farm class animals as required.

The client would like to a simple site - around 4 pages, but happy if more are required for your design.

1. A title page with the Business information with links to the other 3 pages.
2. The Second page is about its people and their Biographies.
3. The third page is about the services provided.
4. The last page has the location information and a map.

The client would like one animal graphic on each page. Which will change depending on if the user identifies as a 'Cat person', a 'Dog person' or 'both'.

The client, who is a dog specialist, would also like each dog owner to be able to add an account to become a member of the website.

The account creation process will collect:

First name, Surname, contact phone number, email address, suburb, postcode, pet name, pet breed, pet age, pet gender.

It will also allow members to upload an image of their Dog.

Note: If you have already created this website from a different unit assessment you are permitted to use that website as the basis for this website. You will need to add the required functionality listed.

PART 1

Use the information above and design the dynamic web pages. You must include a database in your design for the website.

Meet with the client, who will be played in this role play by your assessor or other person as directed by your assessor.

Simulated Workplace Information
To complete this part of the project, you will need to conduct a roleplaying activity. You will require access to: ▪ One (1) volunteer to assume the role of your supervisor ▪ Video camera or a mobile phone with video recording capabilities ▪ A safe environment to conduct the roleplaying activity Submit the following to your assessor: ▪ Video recording of your roleplaying activity The Third-Party Report Form will be completed by your assessor.

Data Sources

Use the information above and create a database that contains various pictures of Dogs and Cats. These must be identifiable by type.

Ensure when a user arrives at the website, they are presented with a pop-up document that asks the question to customise their experience whether they are a cat person or a dog person or both. This must trigger server-side scripts that will create a data set of images to load on each page. The data set is dependent on what is chosen.

If they choose 'cat person' then sufficient cat pictures are to be gathered to add to each image location on each page.

If they choose 'dog person' then sufficient dog pictures are to be gathered to add to each image location on each page.

If they choose 'both' then sufficient cat & dog pictures are to be gathered to randomly add to each image location on each page.

PART 2

Write the Web pages

Now that you have a draft design you will write the pages and functionality.
Create the dynamic pages using both client and server-side scripting methods.

Considerations:

Accessibility
How embedded scripts will run
Testing and debugging the web page and document functionality
Security of the site and pages and data
Webserver and database

Test the website and reiterate as required.
Use debugging from IDE or other sources.
Test page security

PART 3

User Accounts for dog owners

User accounts need to be kept in the database too, with the requirements as above.

Member fields:

- First name
- Surname
- contact phone number
- email address
- suburb
- postcode
- pet name
- pet breed
- pet age
- pet gender.

Note: Postcode and suburb must be validated against an external data source. Use an API link to the source, as described here.

Create the documents to register as a member of the Vet Dog community.
Add functionality to Join/Login to the site.

Confirm the website meets the initial specification and requirement provided by your client by running the website up and conducting user level testing. These tests are to be documented with success and failure results recorded.

Submit your website and relevant project documentation.

This will be done by submitting your site and database to your assessor for grading. You assessor will provide feedback on your work and may request changes for resubmission.