

Computer Programming

C20013

Programming Assignment #2

Brief:

You are to write a perl web-app to provide a simple on-line shop for The Digital Pet Shop.

Summary:

After clicking on the desired product/pet in the shop, the ordering process begins. The ordering of goods will be a three stage process:

1. The visitor to the site should first be asked for delivery and personal details.
2. Once validated, that data entered should be carried forward to the next form, which will then seek payment details.
3. Upon validation of payment details, the completed order – with delivery, contact and payment details – will be saved in a central database, with confirmation emails sent.

The application should generate its own html input forms, as well as validate input generated by the end user through those forms.

For personal and contact details the application should enforce:	Payment details must include:
First and family names separately Address (3 lines allowed, two must be provided) Email	Name on card (1 field) VISA card number Card expiry (format MM/YYYY) Product code (1 per shop) Quantity (drop down select) Total paid (calculated by your application) Terms and conditions acceptance (optional)

Details of sales should be saved to disk via central database (details to follow) for later order completion.

The sales form should be clickable from your project website.

All html **MUST** be validated.

Presentation:

Marks are awarded for attractive presentation both of the screen output and the source code. Code indentation and commenting are **vital**.

The sales input form should be well formatted and in keeping with the look-and-feel of the rest of the web site.

Submission Mechanism:

Electronically, on-line, details to follow.

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By paper via the submission box in Room 15. Include:

- Cover sheet ('My Own Work')
- Flow chart or Decision tree (Read the programming website for information).
- Source code (The perl program, printed)
- Proof of validation
- Demonstration video
- Sample data used
- Screen capture(s) as required

Any other relevant supporting materials.

Due Date:

20141212, 12:45, Friday
(subject to on-line Calendar changes)

Senior College Clonmel