Specification

This product is a online shopping system for use by Small-Medium Enterprises (SMEs).

This product has two parts, a Restful API written in PHP as a frontend for a MySQL database and a User Interface (UI) for three groups of users (Customers, Staff and Administrators).

API CRUD map

	Get (GET)	Create (POST)	Update (POST)	Delete (DELETE)
products	Yes	Yes		
products/ modify/			Yes	
products/ id				Yes
products/*				
customerLists	Yes	Yes		
customerLists/ id				Yes
customerLists/*				Yes
admin/count	Yes			
admin/income	Yes			

Post is used to create new content and to update existing. Including modify in the path makes the code self documenting. A further readability consideration is that file paths should be no more than 2 levels deeper than the api directory. Anything beyond this should be done by DataForm.

The use of the astrophix in delete commands is a precaution. Protection against losing entire tables is sufficient reason for reduced orthogonality.

Features

- A page to help create the config.php file.
- Staff can:
  - Create new products with:
    - Name
    - Description
    - Cost
    - Stock level
    - Category [Optional]
    - Manufacturer [Optional]
    - Image [Optional]
  - Update existing products
  - Delete products
- Customers can:
  - Add products to basket
  - Remove products from basket
  - Place order
- Administrators can see statistics for number of products sold and income received.

Places for improvement

- Add searching
- Filtering by topics
- Support for multiple lists
- Greater responsiveness
- Further use of drag and drop
- Reduce code reuse
- Maximise flexibility of functions, without reducing usability