Class Diagram

Supplier

- id: int
- name: " "

- - - - - - - - - - - - - - - -

- location: " "
- location map: img
- affiliation

- - - - - - - - - - - - - - - -

- .find_all
- .find_by_id
- .save
- .edit/update
- .delete
- .display_all_products

- - - - - - - - - - - - - - - -

- .total_costs
- .total_earnings (from products of this supplier)

Products

- id: int
- name: " "
- quantity: int
- supplier_id: int

- - - - - - - - - - - - - - - -

- buy_price: int
- sell_price: int
- damage/armour rating: int

- - - - - - - - - - - - - - - -

- .find_all
- .find_by_id
- .save
- .edit/update
- .delete
- .display_supplier

- - - - - - - - - - - - - - - -

- .calculate_markup
- .times_sold
- .total_earnings
- .order_more

Inventory

- .display_all
- .sort_by_x
- .filter_by_x

Category

- id: int
- name: " "
- product_id: int

- .find_all
- .find_by_id
- .save
- .delete