

# Criterion A

## Scenario

My client is Donna Williams, co-founder of InZone5. InZone5 is a singapore based activewear retailer who are based online and do occasional pop up events around Singapore.

After the interview with the client, InZone5 are currently using a “spreadsheet which only one of the co-founders can access”(Appendix 1). This method lacks key information such as the demand of each product and what they should change the prices of their products to depending on supply and demand and what season we are currently in. In addition, their current method of stock count does not alert the co-owners when they are low on stock and when they should reorder. Another issue that InZone5 have with their current method of stock count is that “it does not inform them on how much stock they should reorder when they are running low depending on how fast the product is selling”(Appendix 1).

## Rationale

A new product will be created to meet the client’s requests. In this product I will include a system that monitors stock levels so the co-owners of InZone5 know when to reorder certain items. My product will also contain a system that “recommends discounting depending on how long the stock has been in store for” (Appendix 1) and “depending on how well the stock is selling”(Appendix 1). This is an improvement from the client’s current method of stock taking as they do not have a system that alerts them how fast or slow the products are selling. I am also going to include a system that alerts the co-owners when their stock is low and how much to “reorder and when to reorder depending on how fast the product is selling”(Appendix 1). Currently, only one of the co-owners have access to a spreadsheet they use to keep track of stock. The new product will include a login so that both co-owners and employees can access the stock count on their own devices.

The product will be written in PHP and SQL. I have chosen to use PHP because PHP is heavily supported and is helpful to make dynamic websites to change specific content, allows you at access the website along a variety of platforms not just android and ios etc. I have also chosen

to use SQL because SQL is used for databases which is a fundamental part of my product that i will be creating.

### Success Criteria

1. My product will adhere to the house style of InZone5 (orange and blue)
2. Be able to log in to a system that only co owners and employees at InZone5 can access
3. Include a system that alerts the owners when they need to order more stock and how much stock.
4. Introduce a stock taking method that reduces the quantity of a product when it has been sold
5. Recommend possible discounts and prices for products depending on supply and demand
6. Input new products into the system where the user can input the name, description, quantity and supplier of product into a database
7. Input new sales
8. Allow the user to change their password and confirm their new password
9. Add new employees to the database by inputting their username and password so that they can log in to the product
10. Allow access to product on any device such as a mobile phone and laptop