

# DATA DISTRIBUTION SYSTEM

BY

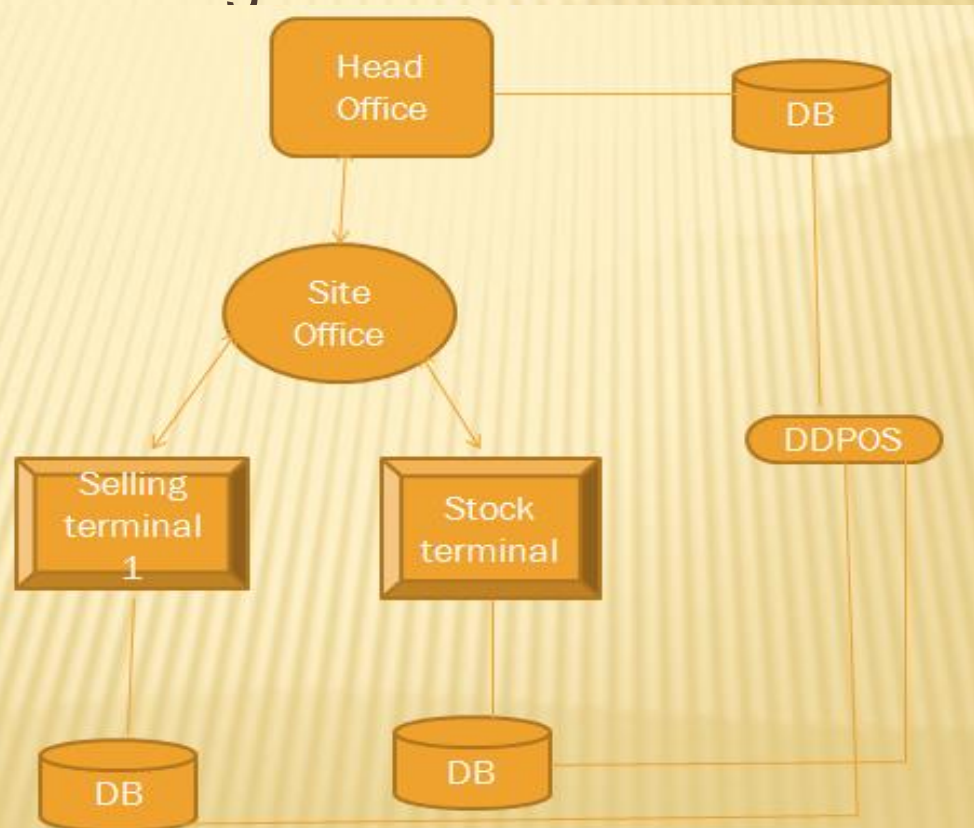
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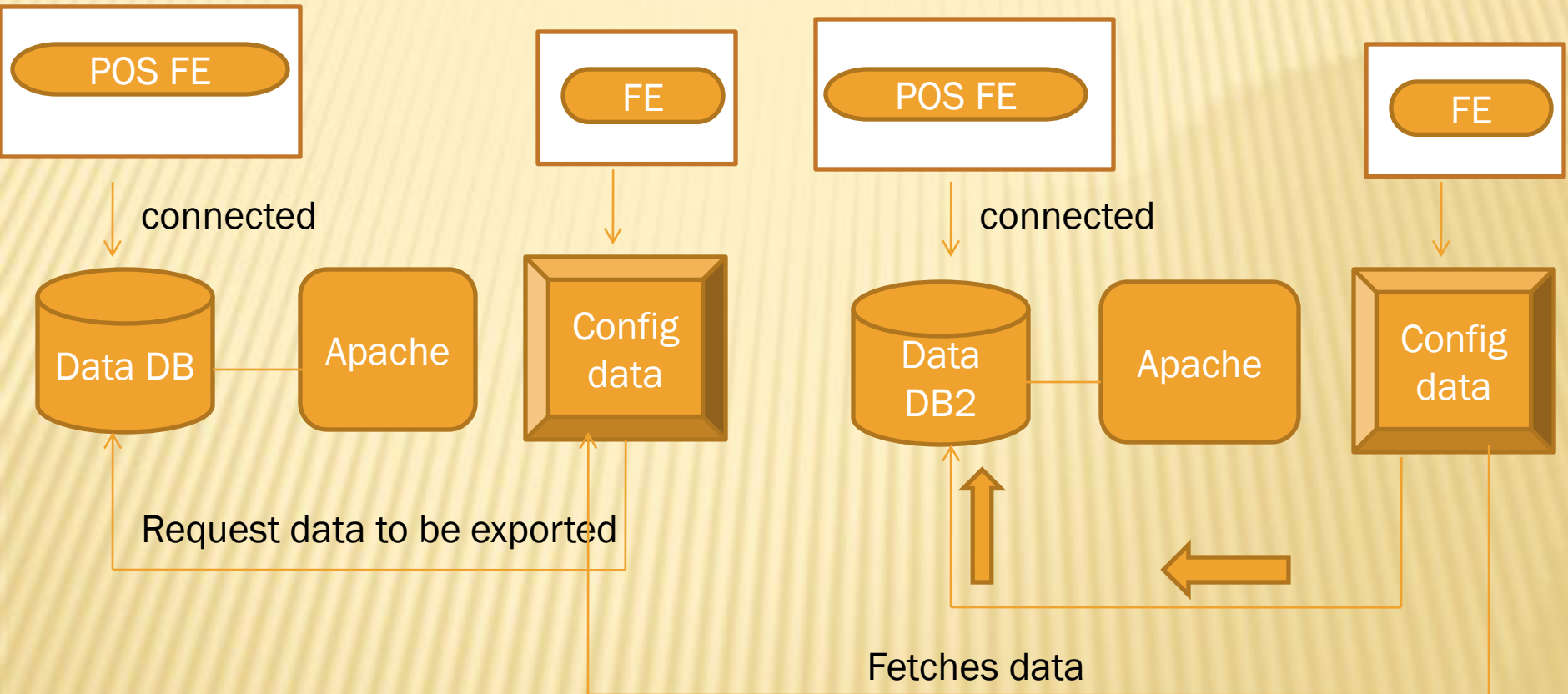
Supervisor: Mr James Connan

# REQUIREMENT ANALYSIS

- ❖ Application that distribute data among different databases in a synchronising manner

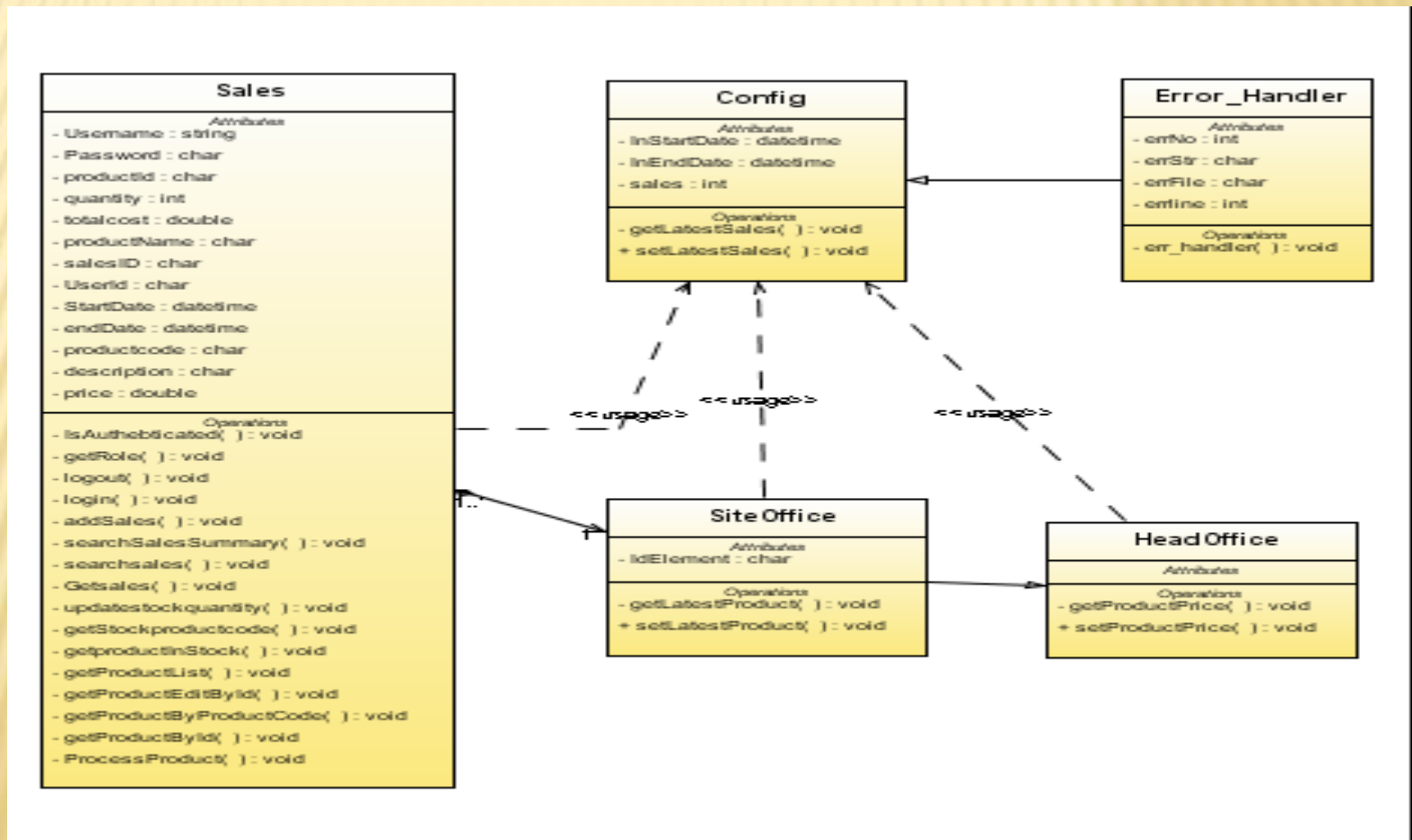


# CURRENT STATE OPERATION CONT.

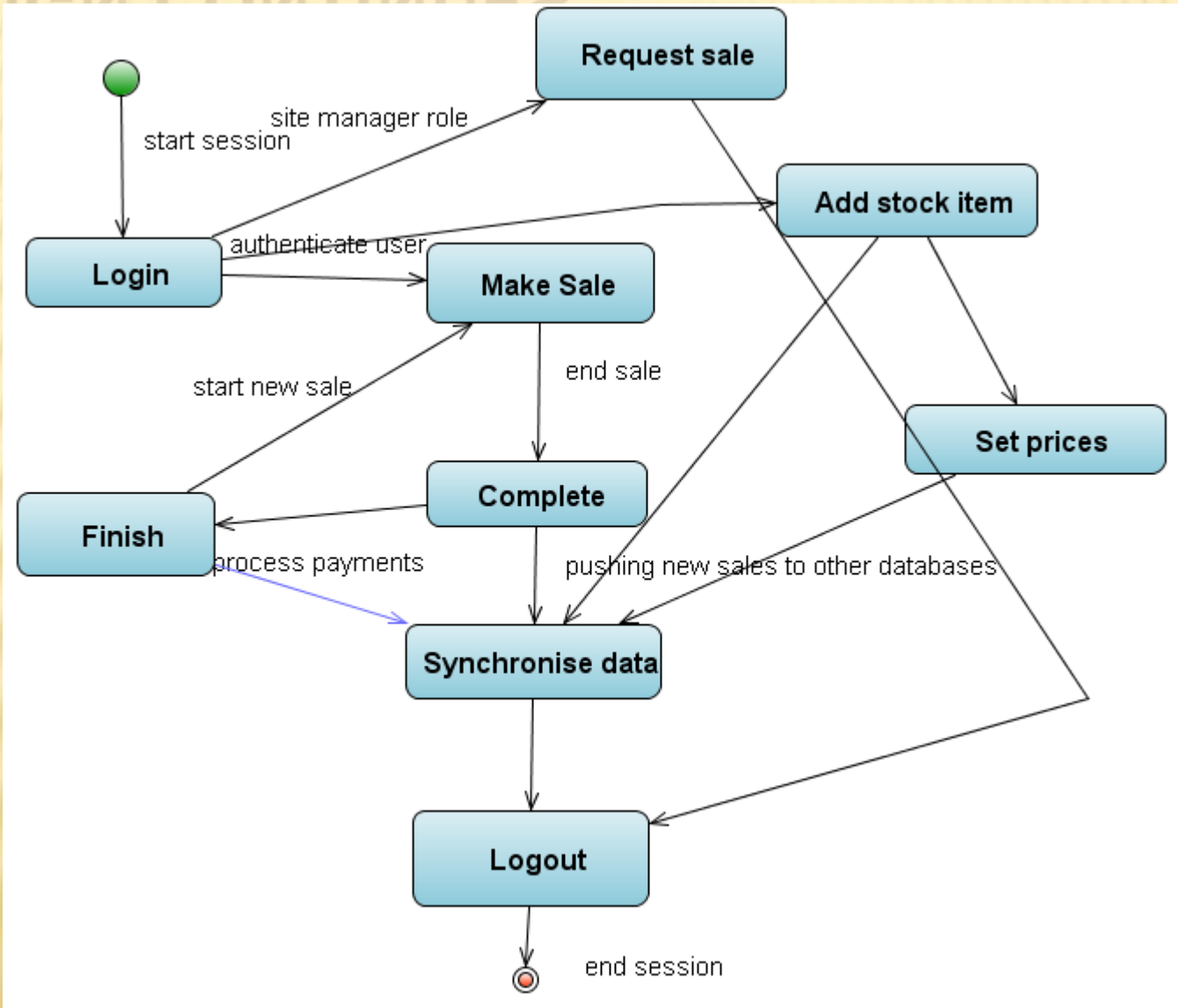


# DESIGN

- ❖ Error handler to remove all the errors in the application
- ❖ Config is where the synchronisation takes place



# DESIGN CONTINUES..





# IMPLEMENTATION

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## ❖ Tools

- + Mysql
- + Apache
- + phpDesigner 2007
- + Notepad ++
- + Nncron
- + Mysql Query Browser
- + phpmyadmin

## ❖ Programming Languages

- + PHP
- + HTML
- + CSS
- + JQuery
- + JavaScript

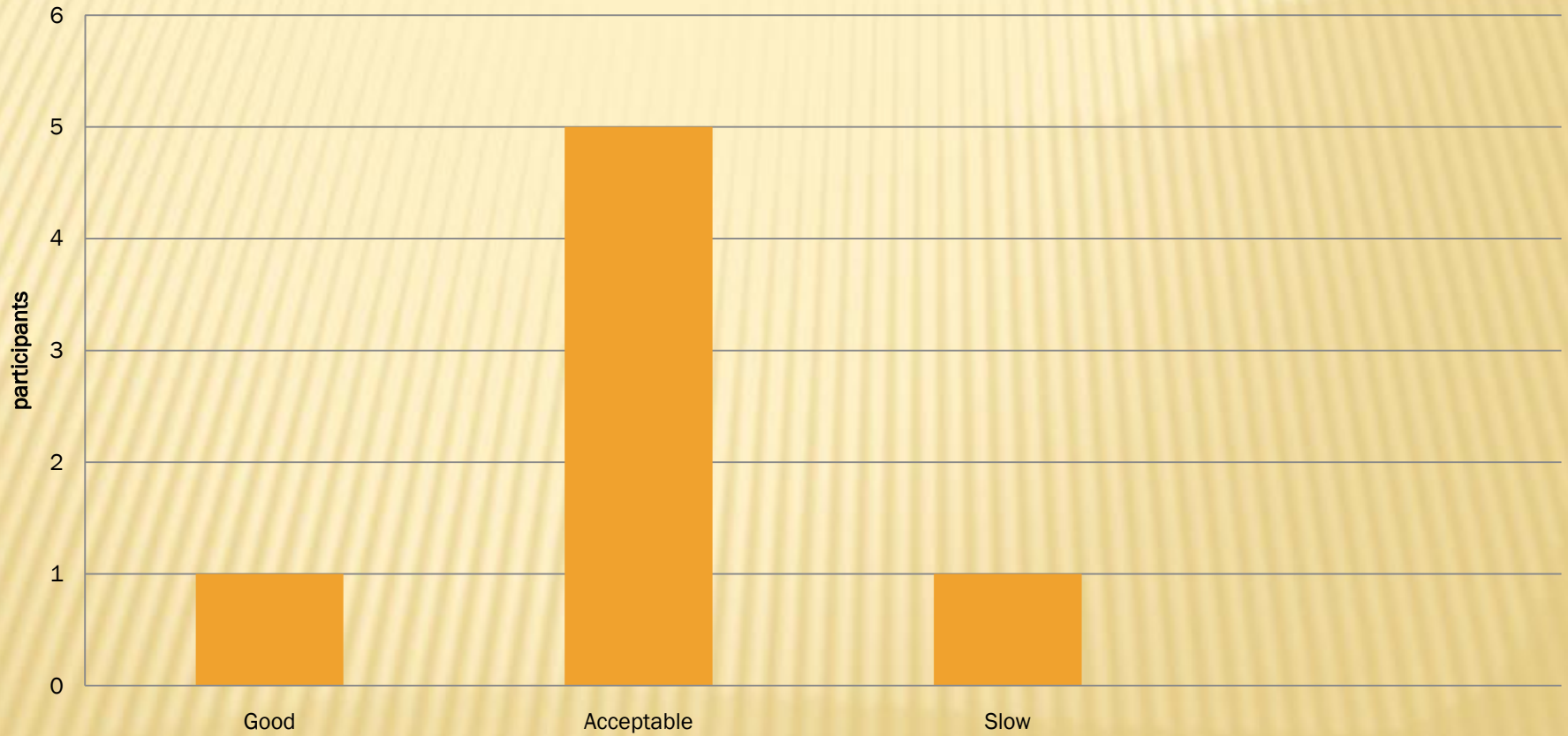
# TESTING ISSUES

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- ✘ Testing the user interface
  - + Users interacted with program
  - + Relayed the feedback
  
- ✘ Testing the system
  - + Different Equipment
  - + Different Settings
  - + Different Locations

# TESTING RESULT

System's Performance





# TEST RESULT: USER INTERFACE

- ✘ Changes made to the system

The screenshot displays a web application interface. On the left, a sidebar shows the 'Current User' as 'millicent' with a placeholder profile picture. The main content area is titled 'Stock' and contains a form with the following fields:

- Product Name: crackerbread
- Product Code: E1234
- Quantity: 30
- Price: 12.00
- Description: (empty text area)

Below the form, there is an 'Add New' button and a text input field containing '105'. At the bottom, a table displays the current stock entry:

| Product Name | Quantity |                      |
|--------------|----------|----------------------|
| crackerbread | 30       | <a href="#">Edit</a> |

Red circles highlight the 'Price' field in the form and the 'Edit' button in the table, indicating these elements were modified during the test.

# USER MANUAL

## User Manual

- 1) Making Sales
- 2) Viewing Sales
- 3) Adding Stock
- 4) Adding price to new stock

### 1) Making Sales

From the welcome window, go to the navigation button where you should choose sell stock as the action you want to perform. From there a new window will appear which will require you to insert the code of the product to make the transaction. Once you're done insert the quantity of the product the user wishes to purchase and the amount of money the user will be paying. Once the purchase is done, click on save to update the database of the transaction that was performed and for the synchronisation to take place.

### 2) Viewing Sales

From the navigation button, choose the view sale option where you will be required to insert the date of the sales you wish to view. Once you're done, click on the search button for the information to be retrieved from the database.

### 3) Adding Stock

Firstly you need to login as a supervisor .From there go to the navigation button where you should choose adding stock option. Once that is complete, the stock form will appear where you will be required to add details of the product you wish to have in stock. Once that is done then click on the add button to update the database.

### 4) Adding price to new stock

Firstly you need to login as a supervisor .From there go to the navigation button where you should choose adding price option. Once that is complete, the stock form will appear along with the stock products that are in the database. Alongside every product there is an edit option where you should click on it to edit that specific product. The information about that product will appear in the stock form where you would be required to input the price for that product. Once that is complete, click on add button to save the changes you have made.

# DEMO

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- ✘ Perform a sale transaction
- ✘ Then synchronise the data...
- ✘ Q & A