***Ayesha Beauty creation***

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**ICG GROUP 5 ASSIGNMENT**

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**Part A**

***MODULES***

* Supplier
  + - Discherm
    - Pick n Pay
* Product
  + - Hair food
    - Combs and brushes
    - Moisturizers
    - Shampoo and conditioners
* Employee
* Service
* Finance
* Clients

**Pseudocode For the modularization of Ayesha Beauty creation**

*Begin*

*If login is successful*

*Display* ***main menu***

*If chooses* ***Products***

*Display (view, add and remove products)*

*If selects view process*

*Display (detail products)*

*Else*

*Update products*

*End if*

*Else*

*If chooses* ***suppliers***

*Display (view, add supplier, remove supplier and order products)*

*If selects view process*

*Display detail supplier*

*Else*

*Update supplier*

*Else*

*If chooses* ***Clients***

*Display (view client, add client and remove client)*

*If selects view process*

*Display detail client*

*Else*

*Update Clients*

*Else*

*If chooses* ***Finances***

*Display (view financial records)*

*If selects view process*

*Display finances*

*Else*

*if chooses* ***Driver*** *Display (View Customer)  
 end if  
 Else*

*if chooses* ***Report*** *Display(View Customer)  
 end if  
 else* ***Login Again*** *endif*

*End*

**Flowchart**

Log in

Denied

authentication

Detail products

Granted

Update products

View process

View, add, remove products

Main menu

Detail supplier

View, add new supplier, remove supplier, order product

Products

View process

suppliers

Update supplier

View process

View client, add client, remove client

clients

Detail clients

View financial record

Finances

Update clients

View process

View client

Store

Detail finances

View client

Report

*Functions under the* ***Supplier*** *module:*

**Step 1:** Supplier can receive the orders from the business according to the customers’ requests.

**Step 2:** To check if Supplier have information about the stock

**Step 3:** check if the stock needed by the customer is available in stock, if yes a payment should be done and an invoice should be created.

**Step 4:** if stock is not available the supplier should be informed.

Finally, this is the actual process done.

***Pseudocode***

Start

Display = log in

Display amount of stock available

If stock runs low than prompt = Reorder new item

Else

If stock is available than prompt = create invoice

Print invoice

End if

End if

End

*Flowchart*

No

No

Create invoice

payment

Yes

If stock available

Received order?

Yes

*Functions under the* ***Finance*** *module*

* *Payments*
* *Generate Invoice*

***Step1:*** *Enter all financial records*

***Step2:*** *Save record*

***Step3:*** *Generate Invoice*

***Step4:*** *Print invoice*

***Pseudocode***

Payments

Enter details of money paid

All details entered?

No

Yes

Details correct?

No

Yes

Yes

Enter details of money paid

All details entered?

Yes

Details correct?

Yes

Save record