

ICG GROUP ASSIGNMENT

GROUP 47

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We are making an application that will allow people to register to the beauty store hence joining the community of Ayesha Beauty Creation. The application will help customers to talk to the business

employees on the different ideas they have on what could be used as ingredients to beauty products thus increasing customer intimacy. The app will also allow the customers to communicate to each other and discuss. In addition, the customers will be able to place orders and pay online.

FUNCTIONS

MAIN

Step 1: Start

Step 2: Goto PRODUCT_SEARCH()

STEP 5: GET PRODUCT

STEP 6: STOP

PRODUCT_SEARCH()

STEP 1: Start

STEP 2: INPUT Product_name

STEP 3: SEARCH FOR PRODUCT

STEP 4: IF PRODUCT FOUND GOTO STEP 5 ELSE GOTO STEP 2

STEP 5: OUTPUT Product_name, modelno, price, stock

STEP 6: IF stock NOT EQUAL TO ZERO and PURCHASE IS FEASIBLE THEN DO STEP 7 & 8 ELSE DO STEP 8

STEP 7: ADD PRODUCT TO CART

STEP 8: REPEAT STEP 2 TO STEP 7 AS THE CUSTOMER REQUIRES IF NOT GOTO LOGIN() STEP 9:

Stop

LOGIN()

STEP 1: Start

STEP 2: IF CUSTOMER HAS AN ACCOUNT THEN GOTO STEP 3 ELSE GOTO STEP 7

STEP 3: INPUT id, pass

STEP 4: IF id==login_id AND pass==login_pass THEN GOTO CHECKOUT ELSE DO STEP 5 AND STEP 6 STEP

5: INPUT email_id

STEP 6: IF email_id IS PRESENT IN DATABASE THEN SEND login_pass TO EMAIL ADDRESS THEN
GOTO STEP 3

STEP 7: INPUT name, dob, age, address, mobileneno, login_id, login_pass, email_id

STEP 8: IF login_id IS PRESENT IN DATABASE GOTO STEP 7

STEP 9: CREATE NEW ACCOUNT AND STORE DETAILS IN DATABASE

STEP 10: SEND LOGIN LINK TO EMAIL ADDRESS AND GOTO STEP 3

STEP 11: Stop

CHECKOUT()

STEP 1: Start

STEP 2: FINALISE PRODUCTS

STEP 3: INPUT local_adrs, pin, cntry, cntct_no

STEP 4: IF pin, cntry, cntct_no ARE NOT VERIFIED THEN GOTO STEP 3

STEP 5: IF MODE OF PAYMENT IS CARD THEN DO STEP 6 AND GOTO STEP 11 ELSE GOTO STEP 7

STEP 6: INPUT card_name, cardno, cvc, exp_date, pin

STEP 7: IF MODE OF PAYMENT IS VIA PAYPAL THEN DO STEP 8 AND GOTO STEP 11 ELSE GOTO STEP 9

STEP 8: INPUT paypal_id, paypal_pass

STEP 9: IF MODE OF PAYMENT IS COUPONS THEN GOTO STEP 10

STEP 10: INPUT coupon_no, coupon_name

STEP 11: IF DETAILS NOT VERIFIED THEN GOTO STEP 5 STEP 12: CUNDUCT TRANSACTION

STEP 13: SEND CUSTOMER TRANSACTION DETAILS VIA EMAIL

STEP 14: Stop

PSEUDOCODE

MAIN

Begin

PRODUCT_SEARCH()

Get Product

Stop

PRODUCT_SEARCH()

Begin

Varchar PRODUCT_NAME, CH

F:

do

Write " Input Product name:"

Read PRODUCT_NAME

Search for Product in inventory

If Product found

Write PRODUCT_NAME, MODELNO, PRICE, STOCK

If STOCK<>0 AND Purchase is feasible

Add product to cart

End if

Else

Goto F

End if

Write " Add another product?(y/n)"

Read CH while(CH<>'n' OR

CH<>'N')LOGIN()

LOGIN()

End

LOGIN()

Begin

Varchar EMAIL_ID, ID, PASS, NAME, DOB, AGE, ADDRESS, MOOBILENO

If customer has account

E:

Read ID, PASS

If ID==LOGIN_ID AND PASS==LOGIN_PASS

CHECKOUT()

Else

Read EMAIL_ID

If EMAIL_ID present in database

Send LOGIN_PASS to Email address

Goto E

End if

End if

Else

G:

Read NAME, DOB, AGE, ADDRESS, MOOBILENO, LOGIN_ID, LOGIN_PASS, EMAIL_ID

If LOGIN_ID already present in database

Goto G

Else

Create new account and store details in database

Email Login link

Goto E

End if

End if

End

CHECKOUT()

Begin

Finalize Products

I:

Read LOCAL_ADRS, PINCODE, CNTRY, CONTACT_NO

If PIN, CNTRY, CONTACT_NO ARE VERIFIED

H:

If mode of payment is CARD

Read CARD_NO, CARD_NAME, CVC, EXP_DATE, PIN

Else if mode of payment is PAYPAL

Read PAYPAL_ID, PAYPAL_PASS

Else if mode of payment is COUPONS

Read COUPON_NO, COUPON_NAME

End else if

If details verified

Conduct Transaction

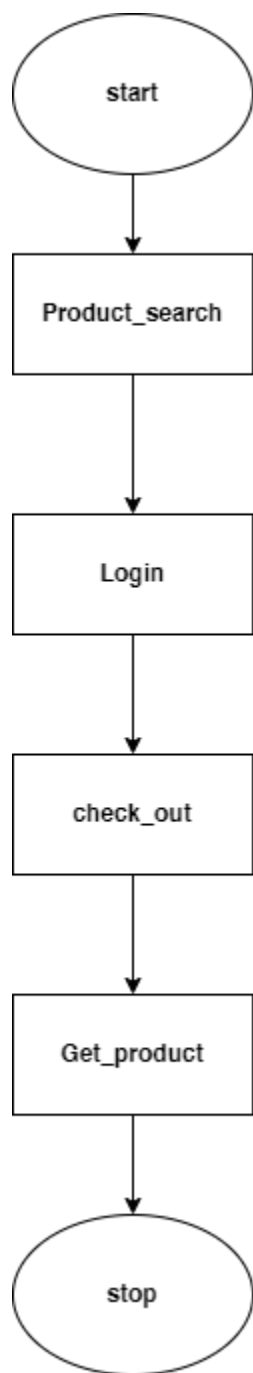
Email Customer transaction details

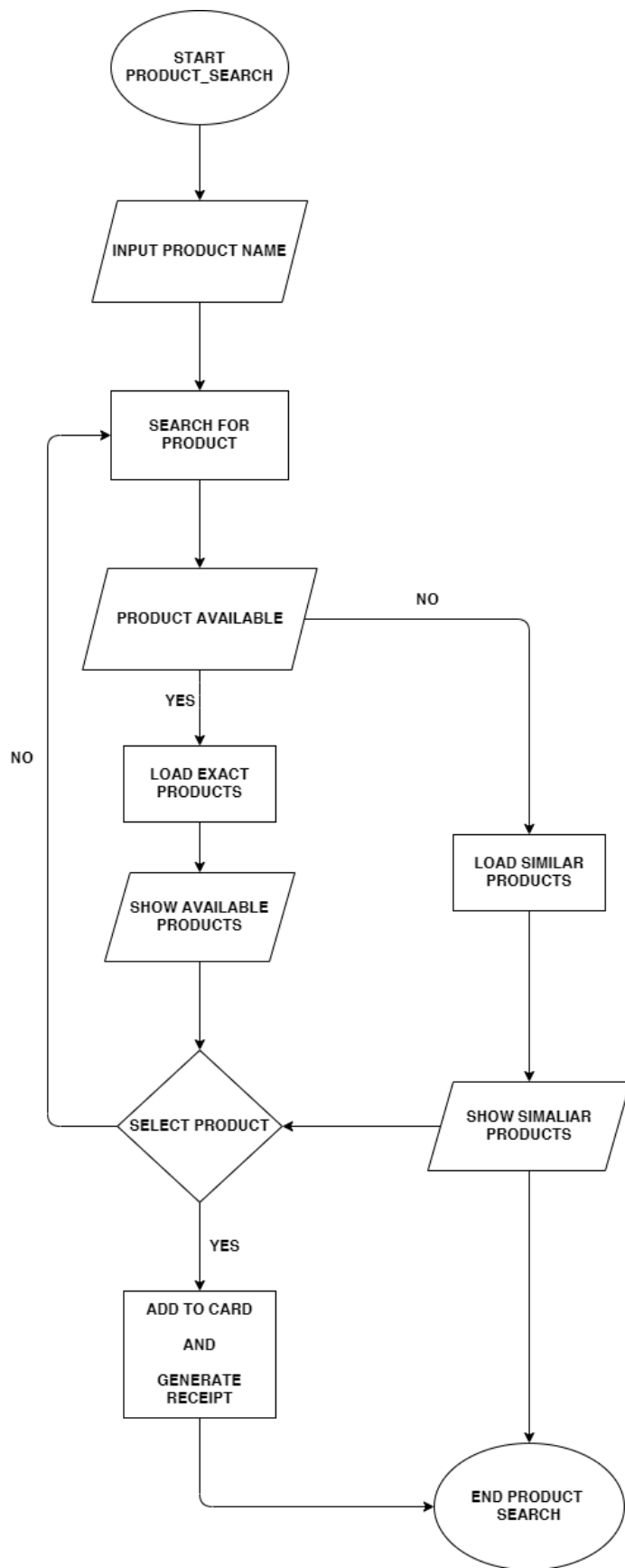
Else goto H Else

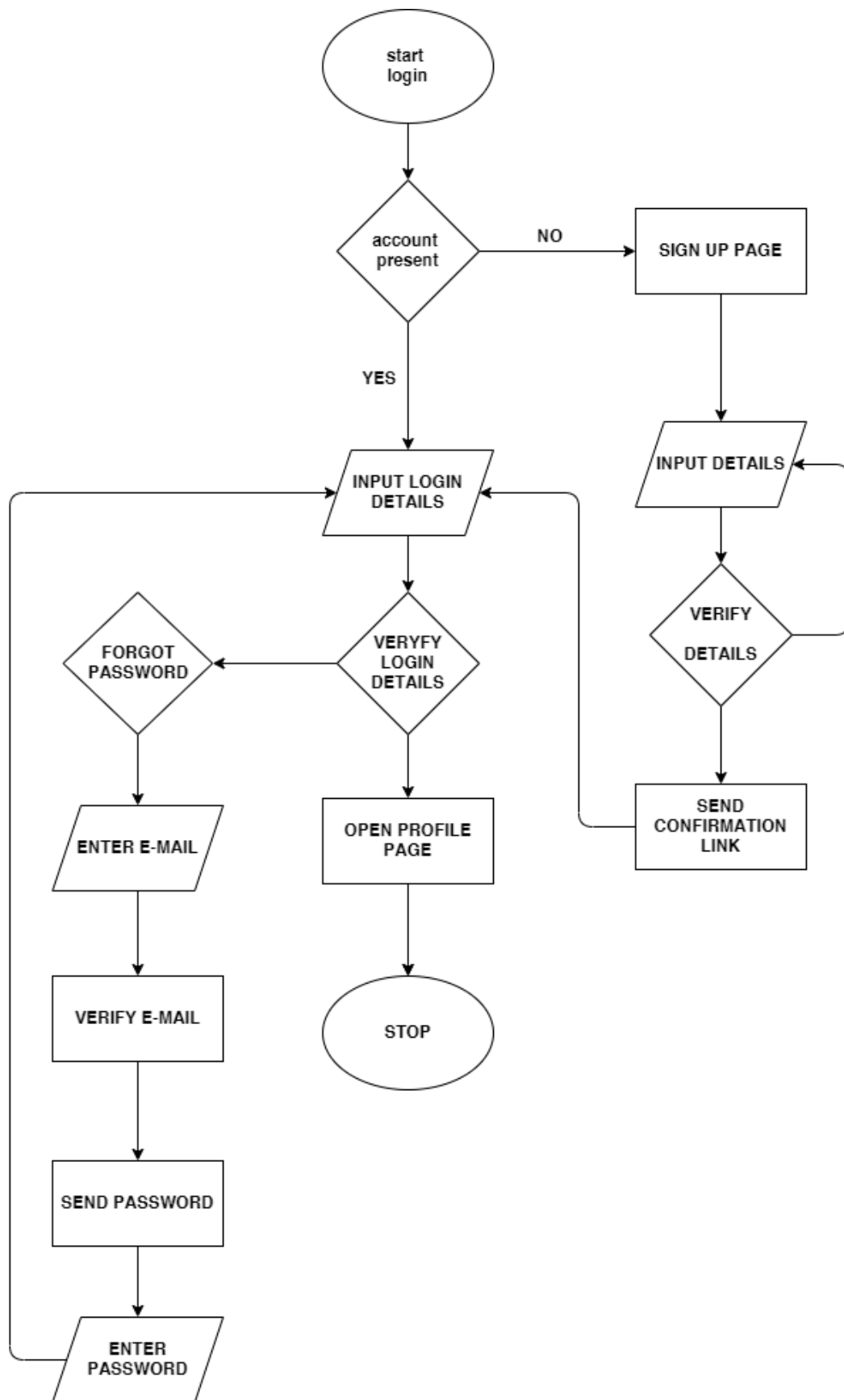
Goto I

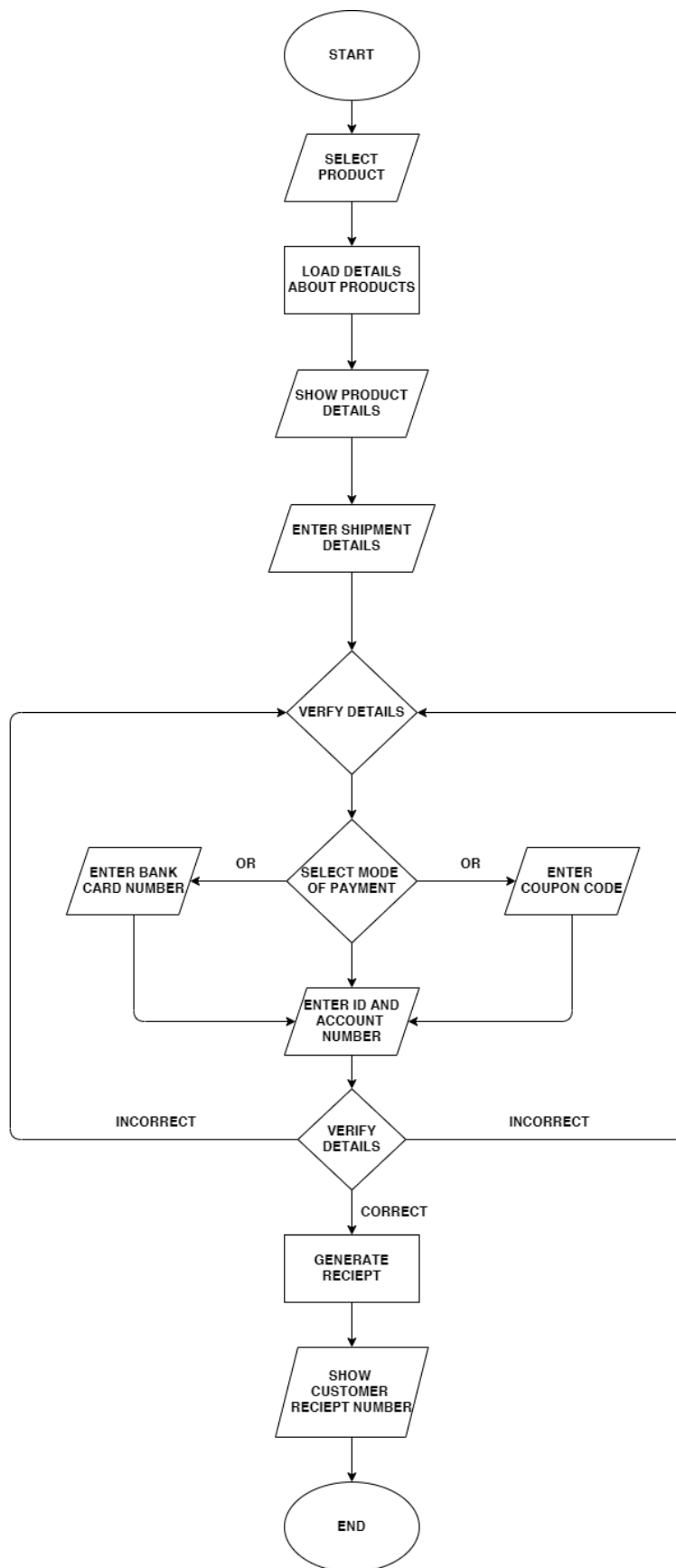
End

Flowchart









Scratch link = <https://scratch.mit.edu/projects/540476444>

GitHub = <https://github.com/Tatenda-Bvocho/Group-47-ICG>