Procedures for account management:

**Customer registration:**

customerReg (name in varchar2, address in varchar2, phoneNo in varchar2, email in varchar2, password in varchar2,cutomerId out number)

Algorithm: customer\_reg will take name, address, phone#, email and password as

input and check it in table. If the check for unique email address matches tables will be updated and will display message ‘User created’ with unique customer id else, it will prompt message as ‘User already exist’.

Input: 1) customer\_name

2) phone\_number

3) email\_id

4) password

5) address

Output: Customer\_id will be generated and data populated in customers table Or error message will be displayed saying ‘Customer already exist’.

Create or replace PROCEDURE register\_customer (cus\_name in varchar, street\_address in Varchar,city\_address in varchar,zip\_address in Mailing\_address.zip%type,phone in varchar,e\_mail in varchar,pass\_word in varchar,customer\_id out number)

IS

email\_address CUSTOMER.email%type;

ad\_id CUSTOMER.ADDR\_ID%type;

Begin

select email into email\_address from customer where email= e\_mail;

Dbms\_output.put\_line('This account already exist');

Exception

when no\_data\_found then

Insert into mailing\_address Values(seq\_mail\_id.nextval,street\_address,city\_address,zip\_address);

ad\_id := seq\_mail\_id.currval;

Insert into customer Values(seq\_Cust\_Id.nextval,ad\_id,cus\_name,phone,e\_mail,pass\_word,0);

Dbms\_output.put\_line('The customer id is :' || seq\_Cust\_Id.currval);

when too\_many\_rows then dbms\_output.put\_line('too many rows');

End;

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~-- Valid Entry

DECLARE

cust\_Id INTEGER;

BEGIN

register\_customer('john','fleek street','Baltimore','21225', '301-123-4567', 'email@gmail.com', 'password1234',cust\_Id);

IF cust\_Id > 0 THEN

DBMS\_OUTPUT.PUT\_LINE(cust\_Id);

ELSE

DBMS\_OUTPUT.PUT\_LINE('Please Enter Valid Data');

END IF;

END;

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~-- Invalid Entry (Reuses Email)

DECLARE

cust\_Id INTEGER;

BEGIN

register\_customer('john','fleek street', 'Baltimore', '21225','301-123-4567', 'a\_hashim@umbc.edu', 'password1234', cust\_Id);

IF cust\_Id > 0 THEN

DBMS\_OUTPUT.PUT\_LINE(cust\_Id);

ELSE

DBMS\_OUTPUT.PUT\_LINE('Please Enter Valid Data');

END IF;

END;