**1)LOGIN**

IF :LOGIN\_C.CL\_USERNAME IS NULL THEN

IF show\_alert('NULL\_USERNAME')=alert\_button1 THEN

MESSAGE('Please enter username.');

RAISE FORM\_TRIGGER\_FAILURE;

END IF;

ELSE NULL;

END IF;

IF :LOGIN\_C.CL\_PASSWORD IS NULL THEN

IF show\_alert('NULL\_PW')=alert\_button1 THEN

MESSAGE('Please enter password.');

RAISE FORM\_TRIGGER\_FAILURE;

END IF;

ELSE NULL;

END IF;

DECLARE

USERNAME\_COUNT NUMBER(3,0);

correct\_pw varchar2(20);

BEGIN

SELECT COUNT(\*) INTO USERNAME\_COUNT FROM CUSTOMER

WHERE CUS\_USERNAME = LOWER :LOGIN\_C.CL\_USERNAME;

IF USERNAME\_COUNT = 0 THEN

IF show\_alert('NOT\_REGISTERED\_USERNAME')=alert\_button1 THEN

MESSAGE('Username not registered. Please try again.');

RAISE FORM\_TRIGGER\_FAILURE;

END IF;

ELSE NULL;

END IF;

--Retrieve the correct password from the database, based on the ID , into a declared variable - correct\_pw

SELECT CUS\_PASSWORD INTO correct\_pw FROM CUSTOMER WHERE CUS\_USERNAME=:LOGIN\_C.CL\_USERNAME;

--Compare the password that user types into :LOGIN.PASSWORD textbox with correct\_pw

--If the password matches then go to student\_retrieve datablock, if not, show a message

IF correct\_pw=:LOGIN\_C.CL\_PASSWORD THEN

GO\_BLOCK ('HOMEPAGE');

ELSE

IF show\_alert('WRONG\_PW')=alert\_button1 THEN

message('Wrong password');

END IF;

END IF;

END;

**2)BACK**

GO\_BLOCK ('WELCOME');

**3)REGISTER**

GO\_BLOCK ('REGISTER');