BEGIN MAINPROGRAM VALIDATION

CALL VALIDATE\_CARD

CALL AUTHENTICATION

END MAINPROGRAM VALIDATION

BEGIN SUBPROGRAM VALIDATE\_CARD

IF <Card Reader> can’T read the card’s number

THEN

Show Wrong Card Screen

Send request to eject card.

Notify to user.

ELSE

Check IF card’s number exists in DB

THEN

Show notification to user

Reject card

ELSE

Show Insert Password Screen

END SUBPROGRAM VALIDATE\_CARD

BEGIN SUBPROGRAM AUTHENTICATION

INT COUNT=0

IF Password is wrong

IF COUNT < 3

THEN COUNT+=1

ELSE

Notify to user that their card is blocked

Take the card

ELSE

Login to System

END SUBPROGRAM AUTHENTICATION