

# PSEUDO CODE EXAMPLE

## DISPLAY HOME PAGE AND LOGIN FEATURE

### **BEGIN MAINPROGRAM home**

```
    Display MyGSet home page ;
    Display Login function in main page ;
    IF User click "Login" THEN
        Display login page ; //call login
    ENDIF
```

### **END MAINPROGRAM home**

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### **BEGIN MAINPROGRAM Login**

```
    Display entry fields User ID & Password ;
    Get User ID, Password from keyboard ;
    IF User click "Clear" button THEN
        Clear entered User id and password ;
    ELSE IF User click "Submit" button THEN
        call checkIdAndPassword(UserId, Password) ;
    ENDIF
```

### **END MAINPROGRAM Login**

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### **BEGIN SUBPROGRAM checkIdAndPassword(User Id, Password)**

```
    IF User id has more than 16 digits OR password has less or more than 8 characters
    THEN
        Display error message "User ID must be in sixteen digits & Passwords must be
        eight characters. Please re-enter Informations";
        Clear entered User id and password;
    Else
        Get result with id in database;
        IF not exist id THEN
            Display "User Id isn't exist. Please re-enter User Id & Password" ;
            Clear entered User id & Password;
        ELSE
            IF Locked= true THEN
                Display "Call Center to unlock your User ID";
                Display MYGSET Home Page;
            ELSE
                IF Password=Passwd THEN
                    Update NumbeAttempts=3;
                    IF TimeLogin = 0 THEN
                        Call new userpage // call newUser(user id)
                    ELSE
                        Display e-Services User main page
                    ENDIF
                ELSE
                    Display e-Services User main page
                ENDIF
            ENDIF
        ENDIF
    ENDIF
```

```

        Update TimeLogin +=1 ;
    ELSE
        Get NumbeAttempts form Database according with userid;
        IF NumbeAttepss >0 THEN
            update NumbeAttempts - =1;
            DISPLAY "Invalid User ID/Password . Number of
attempts left "+ NumbeAttempts;
            Clear entered userid & password;
        ELSE
            Update Locked= true;
            Display "Call Center to unlock the User ID";
            Display MyGset home page;
        ENDIF
    ENDIF
ENDIF
ENDIF
END
END SUBPROGRAM checkIdAndPassword(User Id, Password)

```

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```

BEGIN MAINPROGRAM newUser(userid)
    Get the hint Question from database
    Display the hint questions
    IF user don't choice any question to answer THEN
        Display "An error had existed. Please contact with Call Center";
        Display MyGset portal home page;
    Else
        Get the answers ;
        Update Database ;
        Display changePassword page // call changepassword(userid)

    END IF
END MAINPROGRAM newUser(userid)

```

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```

BEGIN MAINPRGRAM changePassword(user id)
    Display entry fields Old password, New password , Re-enter new password;
    Get Old password, New Password, re-enter new password;
    IF Old password = Passwd & New password = re-enter new password & New
password must be eight characters THEN
        Display login page
    ELSE
        Display "An error had existed. Please contact with Call Center";
        Display MyGset Portal home
    ENDIF
END MAINPROGRAM changePassword(user id)

```