**User: lưu trữ thông tin user và customer**

|  |  |
| --- | --- |
| **Fields** | **Comment** |
| Id | Mỗi customer có id duy nhất và tự tăng. |
| UserName | Mỗi User có username |
| Password | Mỗi User có password |
| Name | Mỗi customer có tên customer |
| Email | Mỗi customer có địa chỉ email |
| BirthDay | Mỗi customer có ngày sinh |
| Sex | Mỗi customer có giới tính |
| PhoneNumber | Mỗi customer có số điện thoại |
| Identity | Mỗi customer có số CMND |
| WardID | Mỗi customer thuộc một phường |
| Description | Ghi chú về customer |

**ShopUser : lưu trữ bảng thông tin user, shop và role của user trong shop**

|  |  |
| --- | --- |
| **Fields** | **Comment** |
| Id | id duy nhất và tự tăng. |
| ShopId | Lưu id shop |
| UserId | Lưu id user |
| RoleId | Lưu role của user trong shop đó |
| Description | Ghi chú về customer |

BEGIN MAINPROGRAM CustomerManagement

Display fields: Name, Email, BirthDay,PhoneNumber, Sex, Identity and button “Search”

Display table “CustomersList” have list of customers ***follow ShopId and Role is “customer”*** and last columns contain icon “Edit” and “Delete”

Display button “Add Customer”

IF User click button “Search” show the result in customer “CustomersList”

ENDIF

IF User click icon “Edit” THEN display popup EditCustomer

ELSE IF User click icon “Delete” THEN show dialog confirm delete

ENDIF

IF User click button “Add Customer” THEN display popup AddCustomer

ENDIF

END MAINPROGRAM CustomerManagement

**1. Add customer pseudo code**

BEGIN MAINPROGRAM AddCustomer

Display Popup contains fields: Name, Email, BirthDay,PhoneNumber, Sex, Identity and Ward

Display two buttons: “Add” and “Cancel”

IF User click button” Add” THEN

Ge*t* the informations : Name, Email, BirthDay,PhoneNumber, Sex, Identity and Ward

From Popup AddCustomer

IF the information is invalid THEN notification refill the field

ELSE

IF AddCustomerToDB(Name, Email, BirthDay,PhoneNumber, Sex, Identity, WardID) return True THEN show dialog “Add success”

ELSE show dialog “Add fail”

ENDIF

ENDIF

ENDIF

IF User click button “Cancel” THEN back the parent form

ENDIF

END MAINPROGRAM AddCustomer

BEGIN MAINPROGRAM AddCustomerToDB( Name, Email, BirthDay,PhoneNumber, Sex, Identity, WardID)

IF fields is valid THEN

Insert record Name, Email, BirthDay,PhoneNumber, Sex, Identity, WardID to table User in Database.

***Insert record ShopId, UserId, RoleId to table ShopUser in Database****.*

Return Flag equal True

ELSE

Return Flag equal False

ENDIF

END MAINPROGRAM AddCustomerToDB( Name, Email, BirthDay,PhoneNumber, Sex, Identity, WardID)

**2. Edit customer pseudo code**

BEGIN MAINPROGRAM EditCustomer

Display Popup contains fields: Name, Email, BirthDay,PhoneNumber, Sex, Identity and Ward

Display two buttons: “Edit” and “Cancel”

IF User click button” Edit” THEN

Ge*t* the informations : Name, Email, BirthDay,PhoneNumber, Sex, Identity and Ward

From Popup EditCustomer

IF the information is invalid THEN notification refill the field

ELSE

IF EditCustomerToDB(Name, Email, BirthDay,PhoneNumber, Sex, Identity, WardID) return True THEN show dialog “Edit success”

ELSE show dialog “Edit fail”

ENDIF

ENDIF

ENDIF

IF User click button “Cancel” THEN back the parent form

ENDIF

END MAINPROGRAM EditCustomer

BEGIN MAINPROGRAM EditCustomerToDB( Name, Email, BirthDay,PhoneNumber, Sex, Identity, WardID)

IF fields is valid THEN

Insert record Name, Email, BirthDay,PhoneNumber, Sex, Identity, WardID to table User in Database.

Return Flag equal True

ELSE

Return Flag equal False

ENDIF

END MAINPROGRAM EditCustomerToDB( Name, Email, BirthDay,PhoneNumber, Sex, Identity, WardID)

**3.Search customer pseudo code**

BEGIN MAINPROGRAM SearchCustomer

IF User click button “Search” THEN

Get the information : searhString

IF the information is empty THEN notification refill the field

ELSE

IF call SearchCustomerToDB(searchString) THEN show result in CustomersList

ENDIF

ENDIF

ENDIF

END MAINPROGRAM SearchCusomer

BEGIN MAINPROGRAM SearchCustomerToDB( searchString)

Get the records in database correct with fields Name, Email, BirthDay,PhoneNumber, Sex, Identity, WardID.

END MAINPROGRAM SearchCustomerToDB( searchString)

**4. Delete customer pseudo code**

BEGIN MAINPROGRAM DeleteCustomer

Show dialog “Do you wanna delete this customer?” have two buttons are “Ok” and “Cancel”

IF User click button “Ok” THEN

IF RemoveCustomerToDB( ID) return True THEN show dialog “ Delete success”

ELSE show dialog “Delete fail”

ENDIF

ENDIF

IF User click button “ Cancel” THEN back to parent form

ENDIF

END MAINPROFRAM DeleteCustomer

BEGIN MAINPROGRAM RemoveCustomerToDB(ID)

IF

***Remove the records in database correct with ID in the table ShopUser***

Success THEN return True

ELSE

Return false

ENDIF

END MAINPROGRAM RemoveCustomerToDB( ID)