**ACTIVITY DIAGRAM**

1. Use case đăng ký cho nhân viên:

@startuml

|u| User

|s| System

|u|

start

:(1) On "left menu" click "Create new staff account";

|s|

:(2) Load "Form Create Staff Account;

|u|

repeat:

:(3) Giving several input;

:(4) Click "Xác nhận";

|s|

:(5) Validate;

backward :(5.1) Show MSG;

while (Validated?) is (no) not (yes);

:(5.2) Push new account to DB;

:(6) Send email;

stop

@enduml

1. Use case Đăng ký cho khách hàng

@startuml

|u| User

|s| System

|u|

start

:(1) Open app;

|s|

:(2) Load "Login" screen;

|u|

:(3) Click "Create account";

|s|

:(4) Load "Form Create Staff Account";

|u|

repeat:

:(5) Giving several input;

:(6) Click "Xác nhận";

|s|

:(7) Validate;

backward :(7.1) Show MSG;

repeat while (Validated?) is (no) not (yes);

:(7.2) Push new account to DB;

:(8) Send email;

stop

@enduml

1. Use case Đăng nhập

@startuml

|u| User

|s| System

|u|

start

:(1) Open app;

|s|

:(2) Load "Login" screen;

|u|

repeat:

:(3) Giving several input;

:(4) Click "Xác nhận";

|s|

:(5) Validate;

backward :(5.1) Show MSG;

repeat while (Validated?) is (no) not (yes);

:(5.2) Load "main screen";

stop

@enduml

1. Use case Quên mật khẩu

@startuml

|u| User

|s| System

|u|

start

:(1) Open app;

|s|

:(2) Load "Login" screen;

|u|

:(3) Click "Quên mật khẩu";

|s|

:(4) Load "Forget password screen";

|u|

repeat:

:(5) Giving several input;

:(6) Click "Xác nhận";

|s|

:(7) Validate;

backward :(7.1) Show MSG;

repeat while (Validated?) is (no) not (yes);

:(7.2) Push new account to DB;

:(8) Send email;

stop

@enduml

1. Use case Tuyển dụng

Cách 1:

@startuml

|u| User

|s| System

|u|

start

:(1) On "left menu" click "Human resource mananagement – Hiring";

|s|

:(2) Load "Hiring" screen;

|u|

:(3) Click button "Tạo JD";

|s|

:(4) Load "Add JD form";

|u|

repeat:

:(5) Giving several input;

:(6) Click "Xác nhận";

|s|

:(7) Validate;

backward :(7.1) Show MSG;

repeat while (Validated?) is (no) not (yes);

:(7.2) Push new JD to DB;

stop

@enduml

Cách 2:

@startuml

|d| Device

|u| User

|s| System

|u|

start

:(1) On "left menu" click "Human resource mananagement – Hiring";

|s|

:(2) Load "Hiring" screen;

|u|

:(3) Click button "Tạo JD";

|s|

:(4) Load "Add JD form";

|u|

:(5) Click Checkbox "Bạn muốn tải file lên?";

repeat:

:(6) Click button "Tải file";

|d|

:(7) Open "Internal File Dialog";

|u|

:(8) Choose file;

|u|

:(9) Click "Xác nhận";

|s|

:(10) Validate;

backward :(10.1) Show MSG;

repeat while (Validated?) is (no) not (yes);

:(10.2) Push new JD to DB;

stop

@enduml

1. Use case Tính lương

Cách tự động:

@startuml

|s| System

start

repeat:

:(1) Check date;

repeat while (Is end month?) is (no) not (yes);

:(1.1) Calculate salary;

:(2) Update to DB and "List Staff" screen;

stop

@enduml

Cách thủ công:

@startuml

|d| Device

|u| User

|s| System

|u|

start

:(1) On "left menu" click "HR Management – List Staff";

|s|

:(2) Load "List Staff" Screen;

|u|

repeat:

:(3) Click button "Tính lương";

|d|

:(4) Open "Internal file dialg";

|u|

:(5) Choose file;

|u|

:(6) Click "Xác nhận";

|s|

:(7) Validate;

backward :(7.1) Show MSG;

repeat while (Validated?) is (no) not (yes);

:(7.2) Calculate salary;

:(7.3) Update to DB and "List Staff" screen;

stop

@enduml

1. Use case Sa thải

@startuml

|u| User

|s| System

|u|

start

:(1) On "left menu" click "HR Management – List Staff";

|s|

:(2) Load "List Staff" Screen;

|u|

:(3) Click checkbox in each to chosing staffs;

:(4) Click "Sa thải";

|s|

:(5) Load "Fired Form";

|u|

repeat:

:(6) Give reason;

|s|

:(7) Validate;

backward :(7.1) Show MSG;

repeat while (Validated?) is (no) not (yes);

:(7.2) Export file fired;

:(8) Delete staff in DB;

stop

@enduml

1. Use case Nhắn tin giữa các phòng ban

@startuml

|u| User

|s| System

|u|

start

:(1) On "left menu" click

"Message

Management – List Others Department Having Message Screen";

|s|

:(2) Load "List

Others Deparrmment Having Message Screen";

|u|

:(3) Chose department;

|s|

:(4) Load "Message

Screen";

|u|

:(5) Giving Message;

:(6) Click "Gửi";

|s|

:(7) Update UI and DB;

@enduml

1. Use case Nhắn tin giữa khách hàng và người bán

Khách hàng:

@startuml

|u| User

|s| System

|u|

start

:(1) On "left menu" click "Message";

|s|

:(2) Load "Message Screen";

|u|

:(3) Giving Message;

|u|

:(4) Click "Gửi";

|s|

:(5) Update UI and DB;

@enduml

Người bán:

@startuml

|u| User

|s| System

|u|

start

:(1) On "left menu" click

"Message

Management – List Customer Having Message Screen";

|s|

:(2) Load "List Customer Having Message Screen";

|u|

:(3) Choose customer;

|s|

:(4) Load "Message

Screen";

|u|

:(5) Giving Message;

|u|

:(6) Click "Gửi";

|s|

:(7) Update UI and DB;

@enduml

1. Use case CRUD đơn vị vận chuyển

***Create:***

@startuml

|u| User

|s| System

|u|

start

:(1) On "left menu" click

"Delivery Management –

CRUD delivery unit";

|s|

:(2) Load "List delivery unit";

|u|

:(3) Click button "Thêm đơn vị vận chuyển";

|s|

:(4) Load "Add New Delivery Unit

Form";

|u|

repeat:

:(5) Giving input;

:(6) Click "Thêm";

|s|

:(7) Validate;

backward :(7.1) Show MSG;

repeat while (Validated?) is (no) not (yes);

:(7.2) Push new delivery unit to DB;

:(8) Update UI;

stop

@enduml

***Delete:***

@startuml

|u| User

|s| System

|u|

start

:(1) On "left menu" click

"Delivery Management –

CRUD delivery unit";

|s|

:(2) Load "List delivery unit";

|u|

:(3) Click on need delete delivery unit;

|s|

:(4) Load "Yes/No dialog";

|u|

:(5) Click on selection button Yes/No;

|s|

if (Choice) then (yes)

:(5.1) Delete delivery unit from DB;

:(6) Update UI;

else (no)

endif

stop

@enduml***Read:***

@startuml

|u| User

|s| System

|u|

start

:On "left menu" click

"Delivery Management –

CRUD delivery unit";

|s|

:Load "List delivery unit";

stop

@enduml

***Update:***

@startuml

|u| User

|s| System

|u|

start

:On "left menu" click

"Delivery Management –

CRUD delivery unit";

|s|

:Load "List delivery unit";

|u|

:Click on button "update" need update delivery unit;

|s|

:Load "Update Delivery Unit

Form";

|u|

repeat:

:Giving input;

:Click "Chỉnh sửa";

|s|

:Validate;

backward :Show MSG;

repeat while (Validated?) is (no) not (yes);

:Update new delivery unit to DB;

:Update UI;

stop

@enduml

1. Use case CRUD Thông tin người bán

***Create:***

@startuml

|u| User

|s| System

|u|

start

:On "left menu" click

"Seller information";

|s|

:Load "List seller";

|u|

:Click button "Thêm người bán";

|s|

:Load "Add New Seller Form";

|u|

repeat:

:Giving input;

:Click "Thêm";

|s|

:Validate;

backward :Show MSG;

repeat while (Validated?) is (no) not (yes);

:Push new seller to DB;

:Update UI;

stop

@enduml

***Delete:***

@startuml

|u| User

|s| System

|u|

start

:On "left menu" click

"Seller information;

|s|

:Load "List seller";

|u|

:Click on need delete seller;

|s|

:Load "Yes/No dialog";

|u|

:Click on selection button Yes/No;

|s|

if (Choice) then (yes)

:Delete seller from DB

:Update UI;

else (no)

endif

stop

@enduml

***Read:***

@startuml

|u| User

|s| System

|u|

start

:On "left menu" click

"Seller information";

|s|

:Load "List seller";

stop

@enduml

***Update:***

@startuml

|u| User

|s| System

|u|

start

:On "left menu" click

"Seller information";

|s|

:Load "List seller";

|u|

:Click on button "update" need update seller;

|s|

:Load "Update Seller

Form";

|u|

repeat:

:Giving input;

:Click "Chỉnh sửa";

|s|

:Validate;

backward :Show MSG;

repeat while (Validated?) is (no) not (yes);

:Update new seller unit to DB;

:Update UI;

Stop

1. Use case Xem thông tin người bán (khách hàng)

@startuml

|u| User

|s| System

|u|

start

:On "left menu" click

"Seller information";

|s|

:Load "Viewing sceen";

stop

@enduml

1. Use case CRUD Quảng cáo

***Create:***

@startuml

|u| User

|s| System

|u|

start

:(1) On "left menu" click

"advertising information";

|s|

:(2) Load "List advertising ";

|u|

:(3) Click button "Thêm quảng cảo";

|s|

:(4) Load "Add New Advertising Form";

|u|

repeat:

:(5) Giving input;

:(6) Click "Thêm";

|s|

:(7) Validate;

backward :(7.1) Show MSG;

repeat while (Validated?) is (no) not (yes);

:(7.2) Push new advertising to DB;

:(8) Update UI;

stop

@enduml

***Delete:***

@startuml

|u| User

|s| System

|u|

start

:(1) On "left menu" click

"Advertising information;

|s|

:(2) Load "List advertising";

|u|

:(3) Click on need delete advertising;

|s|

:(4) Load "Yes/No dialog";

|u|

:(5) Click on selection button Yes/No;

|s|

if (Choice) then (yes)

:(5.1) Delete advertising from DB;

:(6) Update UI;

else (no)

endif

stop

@enduml

***Read:***

@startuml

|u| User

|s| System

|u|

start

:(1) On "left menu" click ;

:(2) Advertising information";

|s|

:(3) Load "List advertising";

stop

@enduml

***Update:***

@startuml

|u| User

|s| System

|u|

start

:(1) On "left menu" click

"(2) Advertising information";

|s|

:(3) Load "List advertising";

|u|

:(4) Click on button "update" need update advertising;

|s|

:(5) Load "Update Advertising

Form";

|u|

repeat:

:(6) Giving input;

:(7) Click "Chỉnh sửa";

|s|

:(8) Validate;

backward :(8.1) Show MSG;

repeat while (Validated?) is (no) not (yes);

:(8.2) Update new advertising unit to DB;

:(9) Update UI;

Stop

1. Use case Xem quảng cáo (khách hàng)

@startuml

|u| User

|s| System

|u|

start

:(1) Make login success;

|s|

:(2) Load "main screen";

:(3) Load advertising not overdue;

stop

@enduml

1. Use case CRUD nghiệp vụ kế toán

***Create:***

@startuml

|u| User

|s| System

|u|

start

:(1) On "left menu" click

"Accouting

Finance – List Accounting Profession";

|s|

:(2) Load "List advertising ";

|u|

:(3) Click button "Thêm nghiệp vụ";

|s|

:(4) Load "Add New Accounting Profession Form";

|u|

repeat:

:(5) Giving input;

:(6) Click "Thêm";

|s|

:(7) Validate;

backward :(7.1) Show MSG;

repeat while (Validated?) is (no) not (yes);

:(7.2) Push new accounting profession to DB;

:(8) Update UI;

stop

@enduml   
***Delete:***

@startuml

|u| User

|s| System

|u|

start

:(1) On "left menu" click

"Accouting

Finance – List Accounting Profession";

|s|

:(2) Load "List accounting profession";

|u|

:(3) Click on need delete accounting profession;

|s|

:(4) Load "Yes/No dialog";

|u|

:(5) Click on selection button Yes/No;

|s|

if (Choice) then (yes)

:(5.1) Delete accounting profession from DB;

:(6) Update UI;

else (no)

endif

stop

@enduml

***Read:***

@startuml

|u| User

|s| System

|u|

start

:(1) On "left menu" click

"Accouting

Finance – List Accounting Profession";

|s|

:(2) Load "List Accounting Profession";

stop

@enduml

***Update:***

@startuml

|u| User

|s| System

|u|

start

:(1) On "left menu" click

"Accouting

Finance – List Accounting Profession";

|s|

:(2) Load "List advertising";

|u|

:(3) Click on button "update" need update Accounting Profession;

|s|

:(4) Load "Update Accounting Profession

Form";

|u|

repeat:

:(5) Giving input;

:(6) Click "Chỉnh sửa";

|s|

:(7) Validate;

backward :(7.1) Show MSG;

repeat while (Validated?) is (no) not (yes);

:(7.2) Update new Accounting Profession to DB;

:(8) Update UI;

Stop

1. Use case CRUD định khoản

***Create:***

@startuml

|u| User

|s| System

|u|

start

:(1) On "left menu" click

"Accouting

Finance – List Accounting Profession";

|s|

:(2) Load "List Record Transaction";

|u|

:(3) Click button "Thêm định khoản";

|s|

:(4) Load "Add New Record Transaction Form";

|u|

repeat:

:(5) Giving input;

:(6) Click "Thêm";

|s|

:(7) Validate;

backward :(7.1) Show MSG;

repeat while (Validated?) is (no) not (yes);

:(7.2) Push new Record Transaction to DB;

:(8) Update UI;

stop

@enduml

***Delete:***

@startuml

|u| User

|s| System

|u|

start

:(1) On "left menu" click

"Accouting

Finance – List Accounting Profession";

|s|

:(2) Load "List Record

Transaction";

|u|

:(3) Click on need delete Record

Transaction;

|s|

:(4) Load "Yes/No dialog";

|u|

:(5) Click on selection button Yes/No;

|s|

if (Choice) then (yes)

:(5.1) Delete Record

Transaction from DB;

:(6) Update UI;

else (no)

endif

stop

@enduml

***Read:***

@startuml

|u| User

|s| System

|u|

start

:(1) On "left menu" click

"Accouting

Finance – List Accounting Profession";

|s|

:(2) Load "List Record

Transaction";

stop

@enduml

***Update:***

@startuml

|u| User

|s| System

|u|

start

:(1) On "left menu" click

"Accouting

Finance – List Accounting Profession";

|s|

:(2) Load "List Record

Transaction";

|u|

:(3) Click on button "update" need update Record

Transaction;

|s|

:(4) Load "Update Record

Transaction

Form";

|u|

repeat:

:(5) Giving input;

:(6) Click "Chỉnh sửa";

|s|

:(7) Validate;

backward :(7.1) Show MSG;

repeat while (Validated?) is (no) not (yes);

:(7.2) Update new Record

Transaction to DB;

:(8) Update UI;

Stop

1. Use case Lập bảng cân đối tài khoản

@startuml

|u| User

|s| System

|u|

start

:(1) On "List

Accounting Profession" click

"Lập

bảng cân đối tài khoản";

|s|

:(2) Load "Choose

time frame form" screen;

|u|

repeat:

:(3) Giving several input;

:(4) Click "Xác nhận";

|s|

:(5) Validate;

backward :(5.1) Show MSG;

repeat while (Validated?) is (no) not (yes);

:(5.2) Create "Account balance sheet";

:(6) Export file;

stop

@enduml

1. Use case Lập bảng cân đối kế toán

@startuml

|u| User

|s| System

|u|

start

:(1) On "List

Accounting Profession" click

"Lập

bảng cân đối kế toán";

|s|

:(2) Load "Choose

time frame form" screen;

|u|

repeat:

:(3) Giving several input;

:(4) Click "Xác nhận";

|s|

:(5) Validate;

backward :(5.1) Show MSG;

repeat while (Validated?) is (no) not (yes);

:(5.2) Create "Accounting balance sheet";

:(6) Export file;

stop

@enduml

1. Use case Lập báo cáo kết quả hoạt động kinh doanh

@startuml

|u| User

|s| System

|u|

start

:(1) "List

Accounting Profession" click

"Lập

báo cáo kết quả hoạt động kinh doanh";

|s|

:(2) Load "Choose

time frame form" screen;

|u|

repeat:

:(3) Giving several input;

:(4) Click "Xác nhận";

|s|

:(5) Validate;

backward :(5.1) Show MSG;

repeat while (Validated?) is (no) not (yes);

:(5.2) Create "Business Result Report";

:(6) Export file;

stop

@enduml

1. Use case CRUD ngành hàng

***Create:***

@startuml

|u| User

|s| System

|u|

start

:(1) On "left menu" click

"Product

Management – List Industry";

|s|

:(2) Load "List Industry";

|u|

:(3) Click button "Thêm ngành hàng";

|s|

:(4) Load "Add New Industry Form";

|u|

repeat:

:(5) Giving input;

:(6) Click "Thêm";

|s|

:(7) Validate;

backward :(7.1) Show MSG;

repeat while (Validated?) is (no) not (yes);

:(7.2) Push new Industry to DB;

:(8) Update UI;

stop

@enduml

***Delete:***

@startuml

|u| User

|s| System

|u|

start

:(1) On "left menu" click

"Product

Management – List Industry";

|s|

:(2) Load "List Industry";

|u|

:(3) Click on need delete Industry;

|s|

:(4) Load "Yes/No dialog";

|u|

:(5) Click on selection button Yes/No;

|s|

if (Choice) then (yes)

:(5.1) Delete Industry from DB;

:(6) Update UI;

else (no)

endif

stop

@enduml

***Read:***

@startuml

|u| User

|s| System

|u|

start

:(1) On "left menu" click

"Product

Management – List Industry;

|s|

:(2) Load "List Industry";

stop

@enduml

***Update:***

@startuml

|u| User

|s| System

|u|

start

:(1) On "left menu" click

"Product

Management – List Industry";

|s|

:(2) Load "List Industry";

|u|

:(3) Click on button "update" need update Industry;

|s|

:(4) Load "Update Industry

Form";

|u|

repeat:

:(5) Giving input;

:(6) Click "Chỉnh sửa";

|s|

:(7) Validate;

backward :(7.1) Show MSG;

repeat while (Validated?) is (no) not (yes);

:(7.2) Update new Industry to DB;

:(8) Update UI;

Stop

1. Use case CRUD loại hàng

***Create:***

@startuml

|u| User

|s| System

|u|

start

:(1) On "List

Industry

" Click item Accounting Profession;

|s|

:(2) Load "List product kind";

|u|

:(3) Click button "Thêm loại hàng";

|s|

:(4) Load "Add New Product Kind Form";

|u|

repeat:

:(5) Giving input;

:(6) Click "Thêm";

|s|

:(7) Validate;

backward :(7.1) Show MSG;

repeat while (Validated?) is (no) not (yes);

:(7.2) Push new product kind to DB;

:(8) Update UI;

stop

@enduml

***Delete:***

@startuml

|u| User

|s| System

|u|

start

:(1) On "List

Industry

" Click item Accounting Profession;

|s|

:(2) Load "List Product Kind";

|u|

:(3) Click on need delete Product Kind;

|s|

:(4) Load "Yes/No dialog";

|u|

:(5) Click on selection button Yes/No;

|s|

if (Choice) then (yes)

:(5.1) Delete Product Kind from DB;

:(6) Update UI;

else (no)

endif

stop

@enduml

***Read:***

@startuml

|u| User

|s| System

|u|

start

:(1) On "List

Industry

" Click item Accounting Profession;

|s|

:(2) Load "List Product Kind";

stop

@enduml

***Update:***

@startuml

|u| User

|s| System

|u|

start

:(1) On "List

Industry

" Click item Accounting Profession;

|s|

:(2) Load "List Product Kind";

|u|

:(3) Click on button "update" need update Industry;

|s|

:(4) Load "Update Product Kind

Form";

|u|

repeat:

:(5) Giving input;

:(6) Click "Chỉnh sửa";

|s|

:(7) Validate;

backward :(7.1) Show MSG;

repeat while (Validated?) is (no) not (yes);

:(7.2) Update new Product Kind to DB;

:(8) Update UI;

Stop

1. Use case CRUD Thuộc tính khác biệt nội sản phẩm

***Create:***

@startuml

|u| User

|s| System

|u|

start

:(1) On "left menu" click

"Product

Management – List Inner Property";

|s|

:(2) Load "List

Inner Property"

Screen;

|u|

:(3) Click on button "update" need update Inner Property;

|s|

:(4) Load "Update Inner Property

Form";

|u|

repeat:

:(5) Giving input;

:(6) Click "Chỉnh sửa";

|s|

:(7) Validate;

backward :(7.1) Show MSG;

repeat while (Validated?) is (no) not (yes);

:(7.2) Update new Inner Property to DB;

:(8) Update UI;

Stop

***Delete:***

@startuml

|u| User

|s| System

|u|

start

:(1) On "left menu" click

"Product

Management – List Inner Property";

|s|

:(2) Load "List Inner Property";

|u|

:(3) Click on need delete Inner Property;

|s|

:(4) Load "Yes/No dialog";

|u|

:(5) Click on selection button Yes/No;

|s|

if (Choice) then (yes)

:(5.1) Delete Inner Property from DB;

:(6) Update UI;

else (no)

endif

stop

@enduml

***Read:***

@startuml

|u| User

|s| System

|u|

start

:(1) On "left menu" click

"Product

Management – List Inner Property";

|s|

:(2) Load "List Product Kind";

stop

@enduml

***Update:***

@startuml

|u| User

|s| System

|u|

start

:(1) On "left menu" click

"Product

Management – List Inner Property";

|s|

:(2) Load "List Inner Property";

|u|

:(3) Click on button "update" need update Inner Property;

|s|

:(4) Load "Update Inner Property

Form";

|u|

repeat:

:(5) Giving input;

:(6) Click "Chỉnh sửa";

|s|

:(7) Validate;

backward :(7.1) Show MSG;

repeat while (Validated?) is (no) not (yes);

:(7.2) Update new Inner Property to DB;

:(8) Update UI;

Stop

1. Use case CRUD hàng hóa

***Create:***

@startuml

|u| User

|s| System

|u|

start

:(1) On "left menu" click

"Product

Management – List Product";

|s|

:(2) Load "List Product"

Screen;

|u|

:(3) Click on button "update" need update Product;

|s|

:(4) Load "Update Product

Form";

|u|

repeat:

:(5) Giving input;

:(6) Click "Chỉnh sửa";

|s|

:(7) Validate;

backward :(7.1) Show MSG;

repeat while (Validated?) is (no) not (yes);

:(7.2) Update new Product to DB;

:(8) Update UI;

Stop

***Delete:***

@startuml

|u| User

|s| System

|u|

start

:(1) On "left menu" click

"Product

Management – List Product";

|s|

:(2) Load "List Product";

|u|

:(3) Click on need delete Product;

|s|

:(4) Load "Yes/No dialog";

|u|

:(5) Click on selection button Yes/No;

|s|

if (Choice) then (yes)

:(5.1) Delete Product from DB;

:(6) Update UI;

else (no)

endif

stop

@enduml

***Read:***

@startuml

|u| User

|s| System

|u|

start

:(1) On "left menu" click

"Product

Management – List Product";

|s|

:(2) Load "List Product";

stop

@enduml

***Update:***

@startuml

|u| User

|s| System

|u|

start

:(1) On "left menu" click

"Product

Management – List Product";

|s|

:(2) Load "List Product";

|u|

:(3) Click on button "update" need update Product;

|s|

:(4) Load "Update Product

Form";

|u|

repeat:

:(5) Giving input;

:(6) Click "Chỉnh sửa";

|s|

:(7) Validate;

backward :(7.1) Show MSG;

repeat while (Validated?) is (no) not (yes);

:(8) Update new Product to DB;

:(9) Update UI;

stop

1. Use case CRUD Đánh giá

***Create:***

@startuml

|u| User

|s| System

|u|

start

:(1) On "left menu" click "Rating";

|s|

:(2) Load "List Rate" Screen;

|u|

:(3) Click button "Đánh giá" trên một item đánh giá với status "needRate";

|s|

:(4) Load Rate;

|u|

repeat:

:(5) Giving input;

:(6) Click "Chỉnh sửa";

|s|

:(7) Validate;

backward :(7.1) Show MSG;

repeat while (Validated?) is (no) not (yes);

:(7.2) Update new Product to DB;

:(8) Update UI;

Stop

***Read:***

@startuml

|u| User

|s| System

|u|

start

:(1) On "left menu" click

"Rating";

|s|

:(2) Load "List Rate";

stop

@enduml

1. Use case Thêm/xóa giỏ hàng

***Cách 1 (create):***

@startuml

|u| User

|s| System

|u|

start

:(1) On "List

Product (customer)" click

"Đi đên giỏ hàng";

|s|

:(2) Load "Cart"

Screen;

stop

@enduml

***Cách 2 (create):***

@startuml

|u| User

|s| System

|u|

start

:(1) On "List

Product (customer)" click a product item;

|s|

:(2) Load "Product detail"

Screen;

|u|

:(3) Click "đi đến giỏ hàng";

|s|

:(4) Load "Cart" screen;

stop

@enduml

***Adding:***

@startuml

|u| User

|s| System

|u|

start

:(1) On "List Product (customer)" click a product item ;

|s|

:(2) Load "Product Detail"

Screen;

|u|

:(3) Click on button "thêm vào giỏ hàng";

|s|

:(4) Load "Adding to Cart" screen;

|u|

repeat:

:(5) Giving input;

:(6) Click "Thêm vào giỏ hàng";

|s|

:(7) Validate;

backward :(7.1) Show MSG;

repeat while (Validated?) is (no) not (yes);

:(7.2) push new cart item to DB;

:(8) Update UI;

Stop

***Delete:***

@startuml

|u| User

|s| System

|u|

start

:(1) On "List Product (customer)" click a "đi đến giỏ hàng";

|s|

:(2) Load "Cart"

Screen;

|u|

:(3) Swip item cart to left;

|s|

:(4) delete cart item to DB;

:(5) Update UI;

Stop

@startuml

|u| User

|s| System

|u|

start

:(1) On "List Product (customer)" click a "đi đến giỏ hàng";

|s|

:(2) Load "Cart"

Screen;

|u|

:(3) Adjust the cart item amount by click "+" or "-" button;

|s|

:(4) Update cart item to DB;

:(5) Update UI;

Stop

1. Use case Thêm/xóa wish list

***Add/Remove:***

@startuml

|u| User

|s| System

|u|

start

:(1)

On "List Product" hoặc "Product detail" click

"Thêm/xóa wishlist" trên 1 item product;

|s|

:(2) Check is in wish list;

if (Is in wish list) then (no)

:(2.1)Push new product to wish list in DB;

else (yes)

:(2.2) Delete product from wish list and DB;

endif

Stop

***Notify:***

@startuml

|s| System

start

:(1) Check if changed status;

if (is changed) then (yes)

:(1.1) Push notification for user;

endif

stop

***Read:***

@startuml

|s| System

|u| User

start

|u|

:(1) Click "Wish list";

|s|

:(2) Load "wish list" screen;

stop

1. Use case CRUD đơn vị thanh toán

***Create:***

@startuml

|u| User

|s| System

|u|

start

:(1) On "left menu" click

"CRUD

payment unit – CRUD Payment unit";

|s|

:(2) Load "List

payment unit" screen;

|u|

:(3) Click button "Thêm đơn vị";

|s|

:(4) Load "CRUD Payment Unit

Form";

|u|

repeat:

:(5) Giving input;

:(6) Click "Lưu";

|s|

:(7) Validate;

backward :(7.1) Show MSG;

repeat while (Validated?) is (no) not (yes);

:(7.2) Push new Payment unit to DB;

:(8) Update UI;

Stop

***Delete:***

@startuml

|u| User

|s| System

|u|

start

:(1) On "left menu" click

"Payment Unit";

|s|

:(2) Load "List Payment Unit";

|u|

:(3) Click on need delete Payment Unit;

|s|

:(4) Load "Yes/No dialog";

|u|

:(5) Click on selection button Yes/No;

|s|

if (Choice) then (yes)

:(5.1) Delete Payment Unit from DB;

:(6) Update UI;

else (no)

endif

stop

@enduml

***Read:***

@startuml

|u| User

|s| System

|u|

start

:(1) On "left menu" click

"Payment Unit";

|s|

:(2) Load "List Payment Unit";

stop

@enduml

***Update:***

@startuml

|u| User

|s| System

|u|

start

:(1) On "left menu" click

"Payment Unit";

|s|

:(2) Load "List Payment Unit";

|u|

:(3) Click on button "update" need update Payment Unit;

|s|

:(4) Load "Update Payment Unit

Form";

|u|

repeat:

:(5) Giving input;

:(6) Click "Chỉnh sửa";

|s|

:(7) Validate;

backward :(7.1) Show MSG;

repeat while (Validated?) is (no) not (yes);

:(8) Update new Payment Unit to DB;

:(9) Update UI;

stop

1. Use case CRUD đơn vị thanh toán (khách hàng)

***Create:***

@startuml

|u| User

|s| System

|p| Payment Unit

|u|

start

:(1) On "left menu" click

"CRUD payment unit";

|s|

:(2) Load "List Payment unit

(Customer)"

Screen;

|u|

:(3) Click button "Liên kết thêm đơn vị

thanh toán";

|s|

:(4) Load "List Payment unit for

register";

|u|

:(5) Chose payment unit for connect;

|p|

:(6) Load verify procedure;

|s|

:(7) Push new payment Unit to DB;

:(8) Update UI;

Stop

***Delete:***

@startuml

|u| User

|s| System

|p| Payment Unit

|u|

start

:(1) On "left menu" click

"CRUD payment unit";

|s|

:(2) Load "List Payment unit

(Customer)"

Screen;

|u|

repeat;

:(3) Click button "Xóa" trên 1 item liến kết đơn vị thanh toán bất kỳ ;

|s|

:(4) Load "Yes/No dialog";

|u|

:(5) Click "Yes" or "No" button;

|s|

repeat while (Validated?) is (no) not (yes);

|p|

:(5.1) Delete connect;

|s|

:(6) Delete Payment Unit to DB;

:(7) Update UI;

Stop

***Read:***

@startuml

|u| User

|s| System

|u|

start

:(1) On "left menu" click

"CRUD payment unit";

|s|

:(2) Load "List Payment unit

(Customer)"

Screen;

stop

1. Use case CRUD thông tin cá nhân (khách hàng)

***Create/Update:***

@startuml

|u| User

|s| System

|u|

start

:(1) On "left menu" click

"Customer Information";

|s|

:(2) Load "CRUD customer

infomation"

Screen;

|u|

repeat:

:(3) Giving input;

:(4) Click "Lưu";

|s|

:(5) Validate;

backward: (5.1 Show message);

repeat while (validated) is (no) not (yes)

|s|

:(5.2) Update customer to DB;

:(6) Update UI;

Stop

***Read:***

@startuml

|u| User

|s| System

|u|

start

:(1) On "left menu" click

"Customer Information";

|s|

:(2) Load "CRUD customer

infomation";

Stop

1. Use case CRUD địa chỉ giao hàng (khách hàng)

***Create:***

@startuml

|u| User

|s| System

|u|

start

:(1) On "left menu" click

"Delivery Address";

|s|

:(2) Load "List Delivery Adress(Customer)"

Screen;

|u|

:(3) Click button "Thêm địa chỉ giao hàng";

|s|

:(4) Load "CRUD Delivery Address";

|u|

repeat:

:(5) Giving input;

:(6) Click "Lưu";

|s|

:(7) Validate;

backward :(7.1) Show MSG;

repeat while (Validated?) is (no) not (yes);

:(7.2) Update new delivery address to DB;

:(8) Update UI;

Stop

***Delete:***

@startuml

|u| User

|s| System

|u|

start

:(1) On "left menu" click

"Delivery Address";

|s|

:(2) Load "List Delivery Address (khách hàng)";

|u|

:(3) Click on need delete Delivery Address;

|s|

:(4) Load "Yes/No dialog";

|u|

:(5) Click on selection button Yes/No;

|s|

if (Choice) then (yes)

:(5.1) Delete Delivery Address from DB;

:(6) Update UI;

else (no)

endif

stop

@enduml

***Read:***

@startuml

|u| User

|s| System

|u|

start

:(1) On "left menu" click

"Delivery Address";

|s|

:(2) Load "List Delivery Address (khách hàng)";

stop

@enduml

***Update:***

@startuml

|u| User

|s| System

|u|

start

:(1) On "left menu" click

"Delivery Address";

|s|

:(2) Load "List Delivery Address (khách hàng)";

|u|

:(3) Click on button "update" need update Delivery Address;

|s|

:(4) Load "Update Delivery Address

Form";

|u|

repeat:

:(5) Giving input;

:(6) Click "Chỉnh sửa";

|s|

:(7) Validate;

backward :(7.1) Show MSG;

repeat while (Validated?) is (no) not (yes);

:(8) Update new Delivery Address to DB;

:(9) Update UI;

stop

1. Use case Tính điểm khách hàng thêm vào danh sách đen

@startuml

|s| System

|s|

start

:(1) While order status change ;

if(changed?) then (success)

:(1.2) Calculate customer score (plus 1);

else (false)

:(1.1) Calculate customer score (minus 1);

endif

:(2) Push new score to DB;

stop

@enduml

1. Use case Thêm/xóa khỏi blacklist

***Automation:***

@startuml

|s| System

|s|

start

repeat:

:(1) if customer score < 85;

backward: (1.1) Wait 5 second;

repeat while (Changed?) is (fail) not (success);

:(1.2) Calculate customer score (plus 1);

:(2) Push new score to DB;

stop

@enduml

***Thủ công:***

@startuml

|u| User

|s| System

|u|

start

:(1) On "left menu" click

"Customer

Management";

|s|

:(2) Load "List

Customer (seller)"

Screen;

|u|

:(3) Click checkbox black list;

|s|

:(4) Open Yes/No dialog;

|u|

:Select yes / no dialog?;

|s|

if (is in black list?) then (yes)

:(4.1.1) Get out black list on DB;

else (no)

:(4.1.2) Get in to black list on DB;

endif

:(5) Update UI;

stop

@enduml

1. Use case Xác nhận đơn hàng

@startuml

|u| User

|s| System

|u|

start

:(1) On "left menu" click

"Order Management";

|s|

:(2) Load "List Order (seller)"

Screen;

|u|

repeat:

:(3) Click on "WAITING" status order;

|s|

:(4) Load "Order detail (seller)";

|u|

:(5) Click button "Xác nhận đơn";

|s|

:(6) Load "Yes/No dialog";

|u|

:(7) Click "Yes" or "No" button;

|s|

repeat while (Validated?) is (no) not (yes);

:(7.1) Update order status to DB;

:(8) Update UI;

stop

@enduml

1. Use case Xác nhận đơn hàng (giao bên vận chuyển)

@startuml

|u| User

|s| System

|u|

start

:(1) On "left menu" click

"Order Management";

|s|

:(2) Load "List Order (seller)"

Screen;

|u|

repeat:

:(3) Click on "CONFIRMED" status order;

|s|

:(4) Load "Order detail (seller)";

|u|

:(5) Click button "Giao bên vận chuyển";

|s|

:(6) Load "Yes/No dialog";

|u|

:(7) Click "Yes" or "No" button;

|s|

repeat while (Validated?) is (no) not (yes);

:(7.1) Update order status to DB;

:(8) Update UI;

stop

@enduml

1. Use case Hủy đơn hàng (bên bán)

@startuml

|u| User

|s| System

|u|

start

:(1) On "left menu" click

"Order Management";

|s|

:(2) Load "List Order (seller)"

Screen;

|u|

repeat:

:(3) Click on "CONFIRMED"/"WAITING" status order;

|s|

:(4) Load "Order detail (seller)";

|u|

:(5) Click button "Huỷ";

|s|

:(6) Load "Yes/No dialog";

|u|

:(7) Click "Yes" or "No" button;

|s|

repeat while (Validated?) is (no) not (yes);

|u|

repeat

:(7.1) Giving input for reason;

backward: (8.1) Receive MSG;

|s|

repeat while (Validated?) is (no) not (yes);

|s|

:(8.2) Update status order;

:(9) Update UI;

stop

@enduml

1. Use case Hủy đơn hàng (bên mua)

@startuml

|u| User

|s| System

|u|

start

:(1) On "left menu" click

"Order Management";

|s|

:(2) Load "List Order (customer)"

Screen;

|u|

repeat:

:(3) Click on "CONFIRMED"/"WAITING" status order;

|s|

:(4) Load "Order detail (customer)";

|u|

:(5) Click button "Huỷ";

|s|

:(6) Load "Yes/No dialog";

|u|

:(7) Click "Yes" or "No" button;

|s|

repeat while (Validated?) is (no) not (yes);

|u|

repeat

:(7.1) Giving input for reason;

backward: (8.1) Receive MSG;

|s|

repeat while (Validated?) is (no) not (yes);

|s|

:(8.2) Update status order;

:(9) Update UI;

stop

@enduml

1. Use case Tạo đơn hàng (Khách hàng)

***Thông qua giỏ hàng:***

@startuml

|u| User

|s| System

|p| Payment Unit

|d| Delivery Unit

|u|

start

:(1) Click "Đi đến giỏ hàng";

|s|

:(2) Load "Cart" Screen;

|u|

:(3) Chosing cart items;

:(4) Click "Tạo đơn hàng";

|s|

:(5) Load "Checkout";

|u|

repeat

:(6) Chosing voucher, payment, delivery unit;

|p|

:(7) return price;

|d|

:(8) return price;

|s|

:(9) Calculate price, update UI;

|u|

:(10) Click "Đặt hàng";

|s|

repeat while (Validated?) is (no) not (yes);

:(11.1) Create new order on DB;

stop

@enduml

***Trực tiếp:***

@startuml

|u| User

|s| System

|p| Payment Unit

|d| Delivery Unit

|u|

start

:(1) On "List Product (Customer)" Click item product;

|s|

:(2)Load "Product Detail (Customer)" Screen;

|u|

:(3) Click "Mua ngay";

|s|

:(4) Load "Adding in Cart" [for go to check out];

|u|

:(5) Giving input;

:(6) Click "Tạo đơn hàng";

|s|

:(7) Load "Checkout";

|u|

repeat:

:(8) Chosing voucher, payment, delivery unit;

|p|

:(9) return price;

|d|

:(10) return price;

|s|

:(9) Calculate price, update UI;

|u|

:(10) Click "Đặt hàng";

|s|

repeat while (Validated?) is (no) not (yes);

:(11.1) Create new order on DB;

stop

@enduml

1. Use case CRUD khuyến mãi

***Create:***

@startuml

|u| User

|s| System

|u|

start

:(1) On "left menu" click

"Discount/Voucher

Management – CRUD Discount";

|s|

:(2) Load "List Discount (seller)” Screen;

|u|

:(3) Click button "Thêm khuyến mãi";

|s|

:(4) Load "CRUD Discount";

|u|

repeat:

:(5) Giving input;

:(6) Click "Lưu";

|s|

:(7) Validate;

backward :(7.1) Show MSG;

repeat while (Validated?) is (no) not (yes);

:(7.2) Update new discount address to DB;

:(8) Update UI;

Stop

***Delete:***

@startuml

|u| User

|s| System

|u|

start

:(1)

On "left menu" click "Discount/Voucher

Management – CRUD Discount";

|s|

:(2) Load "List Discount(seller)";

|u|

:(3) Click on need delete Discount;

|s|

:(4) Load "Yes/No dialog";

|u|

:(5) Click on selection button Yes/No;

|s|

if (Choice) then (yes)

:(5.1) Delete Discount from DB;

:(6) Update UI;

else (no)

endif

stop

@enduml

***Read:***

@startuml

|u| User

|s| System

|u|

start

:(1) On "left menu" click

"Discount/Voucher

Management – CRUD Discount";

|s|

:(2) Load "List Discount (seller)";

stop

@enduml

***Update:***

@startuml

|u| User

|s| System

|u|

start

:(1) On "left menu" click

"Discount/Voucher

Management – CRUD Discount";

|s|

:(2) Load "List Discount (selle)";

|u|

:(3) Click on button "update" need update Discount;

|s|

:(4) Load "Update Discount

Form";

|u|

repeat:

:(5) Giving input;

:(6) Click "Chỉnh sửa";

|s|

:(7) Validate;

backward :(7.1) Show MSG;

repeat while (Validated?) is (no) not (yes);

:(8) Update new Discount to DB;

:(9) Update UI;

stop

1. Use case CRUD voucher

***Create:***

@startuml

|u| User

|s| System

|u|

start

:(1) On "left menu" click

"Discount/Voucher

Management – CRUD Voucher";

|s|

:(2) Load "List Voucher(seller)"

Screen;

|u|

:(3) Click button "Thêm voucher";

|s|

:(4) Load "CRUD Voucher";

|u|

repeat:

:(5) Giving input;

:(6) Click "Lưu";

|s|

:(7) Validate;

backward :(7.1) Show MSG;

repeat while (Validated?) is (no) not (yes);

:(7.2) Update new Voucher to DB;

:(8) Update UI;

Stop

***Delete:***

@startuml

|u| User

|s| System

|u|

start

:(1) On "left menu" click

"Discount/Voucher

Management – CRUD Voucher";

|s|

:(2) Load "List Voucher (selle)";

|u|

:(3) Click on need delete Voucher;

|s|

:(4) Load "Yes/No dialog";

|u|

:(5) Click on selection button Yes/No;

|s|

if (Choice) then (yes)

:(5.1) Delete Voucher from DB;

:(6) Update UI;

else (no)

endif

stop

@enduml

***Read:***

@startuml

|u| User

|s| System

|u|

start

:(1) On "left menu" click

"Discount/Voucher

Management – CRUD Voucher";

|s|

:(2) Load "List Voucher (seller)";

stop

@enduml

***Update:***

@startuml

|u| User

|s| System

|u|

start

:(1) On "left menu" click

"Discount/Voucher

Management – CRUD Voucher";

|s|

:(2) Load "List Voucher(seller)";

|u|

:(3) Click on button "update" need update Voucher;

|s|

:(4) Load "Update Voucher

Form";

|u|

repeat:

:(5) Giving input;

:(6) Click "Chỉnh sửa";

|s|

:(7) Validate;

backward :(7.1) Show MSG;

repeat while (Validated?) is (no) not (yes);

:(8) Update new Voucher to DB;

:(9) Update UI;

stop