

**Project Semester 4**

**Warehouse Management**

**Prepared by:**

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**Class: APEX-JAVA**

## **Faculty Guide:**

**Date: 13/05/2019**



This is to certify that

Mr. / Ms.: .......................................................................

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Has successfully designed, developed and hosted

(Warehouse management)

Submitted by:

(Faculty Guilde’s Name and Signature)

***E-PROJECT INDEX***

1. [INTRODUCTION](#_TOC_250007)
2. [FUNCTIONAL REQUIREMENTS](#_TOC_250006)
3. [ENTITY RELATIONSHIP DIAGRAM](#_TOC_250004)
4. [USE – CASE DIAGRAM](#_TOC_250003)
5. WORKFLOW[…](#_TOC_250000)
6. [DATA FLOW DIAGRAM](#_TOC_250001)
7. [TABLE…](#_TOC_250000)
8. [DATABASE DIAGRAM…](#_TOC_250000)
9. [ERD…](#_TOC_250000)

10. VIEW WEB PAGE…

1. **INTRODUCTION**

Currently, in the development of information systems, manual work is gradually replaced by simple operation on specialized computers and electronics. Specifically, warehouse management, business owners must manage the number of merchandises, suppliers, import notes, export notes,...

However, this can lead to inconvenience for business owners:

* Statistics, report takes a lot of time.
* Difficult to manage amount import/export of merchandise if using paper note
* Abundant human resources
* Difficult to manage
* Damaged or get lost note.

1. **Technology**

Front-End: JSP, JavaScript, Jquery.

Back-End: Spring MVC, Hibernate, Maven.

Database: MySQL.

1. **Problem and solution**

**Human Resources**

To reduce manpower, save staff costs instead of having many employees, damaged or get lost note. Business owners only need to hire manager staff, invoice importers and inventory staff.

**Difficult to manage**

Usually a manager must manage: staff, merchandise, supplier ... and statistics, reports by his/her own. However, to do this, the manager will have to deal with a lot of papers while not taking into account the loss of documents. This issue requires a software that can store staff, merchandise,supplier, import/export note.

**b. Benefits of the solution**

* + Easy merchandise information
  + Easily to create import/export note
  + Easy to manage
  + Easily track the development of your business
  + Employees work more effectively

**c. Some key features of the solution**

* + Employees can search, view merchandise information
  + Managers can manage staff, supplier, merchandise.
  + Business owners can view statistics

1. **FUNCTIONAL REQUIREMENTS**
   1. **Administrator**

### Login.

### Add user.

### Update user.

### View all user.

### Add merchandise.

### Update merchandise.

### View all merchandise.

### Add supplier.

### Update supplier.

### View all supplier.

### Create import/export note.

### Update note.

### View all import/export note.

### Export file.

### Logout.

* 1. **User**

### Login.

### Add merchandise.

### Update merchandise.

### View all merchandise.

### Add supplier.

### Update supplier.

### View all supplier.

### Create import/export note.

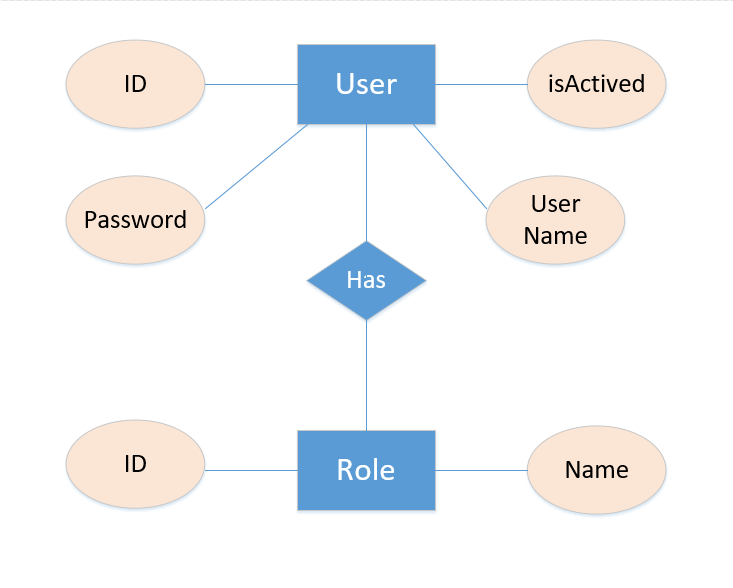
### Update note.

### View all import/export note.

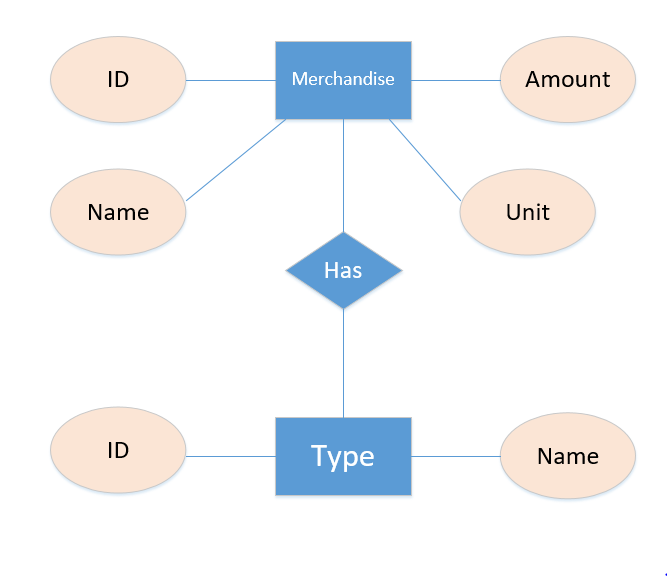
### Export file.

### Logout.

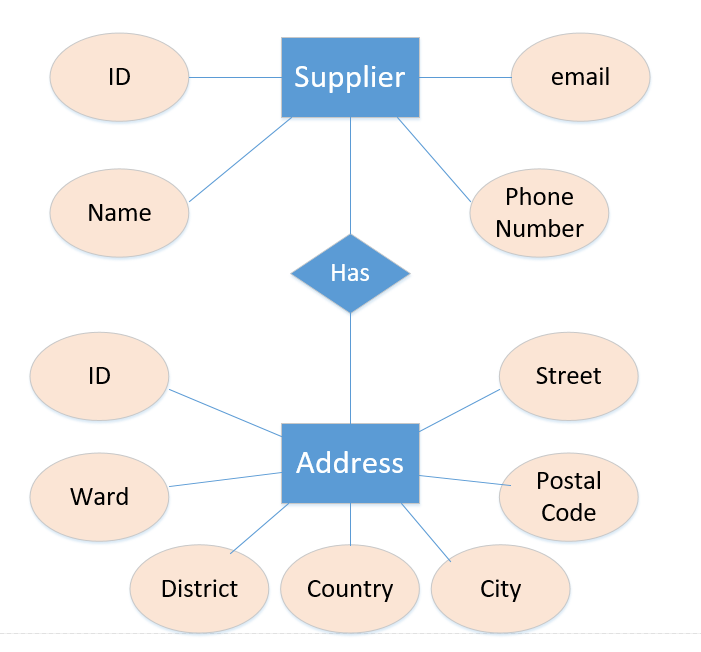
1. **ENTITY RELATIONSHIP DIAGRAM**
   1. **User class**



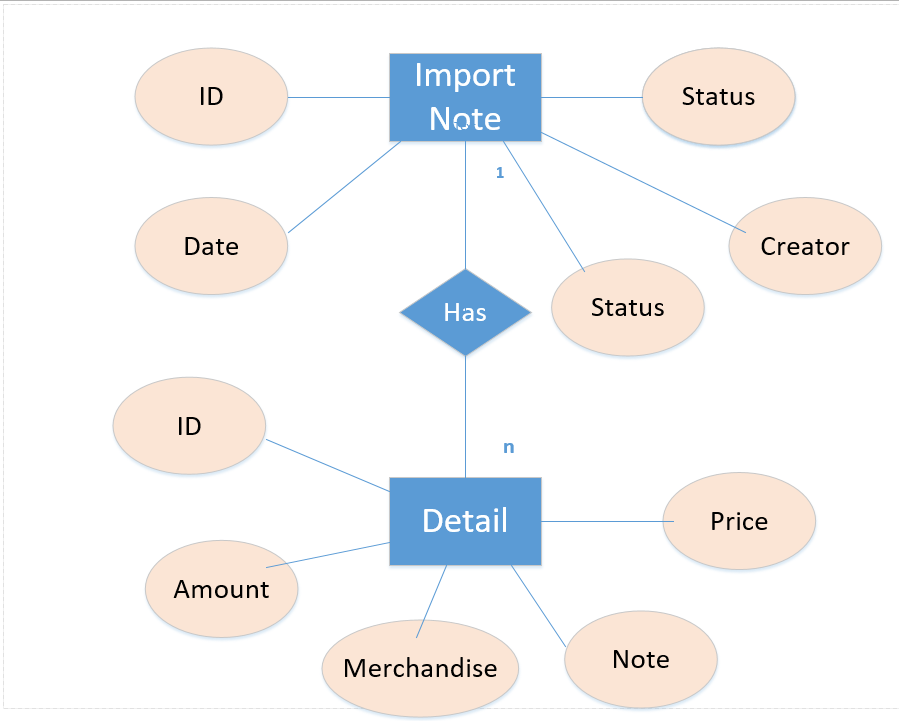
* 1. **Merchandise class**



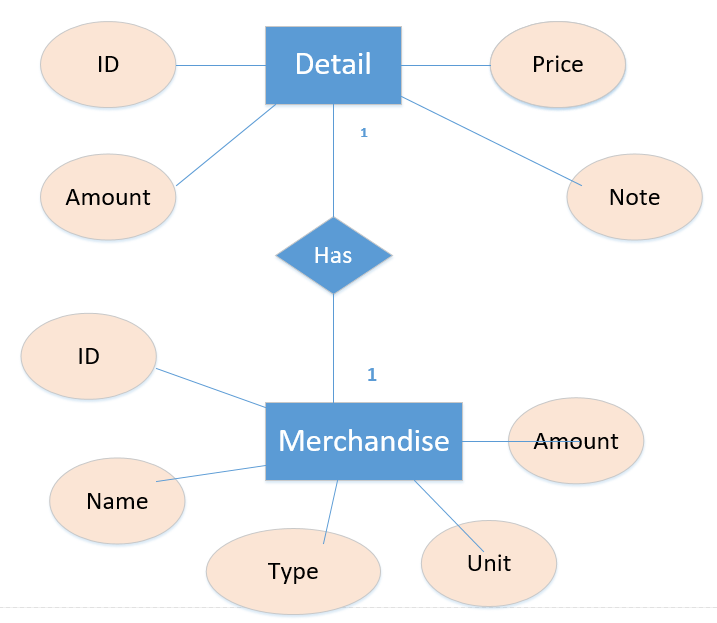
* 1. **Supplier class**



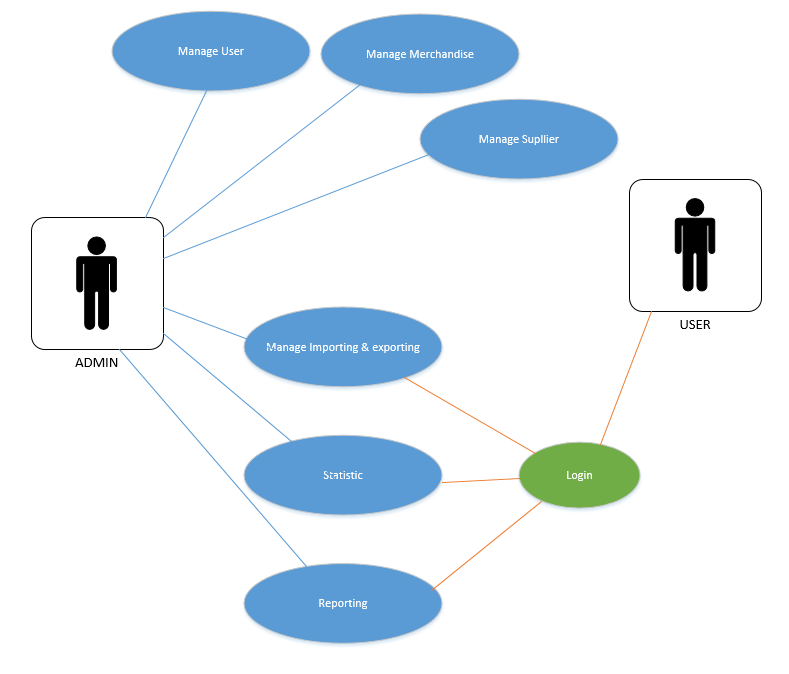
* 1. **Import Note class**



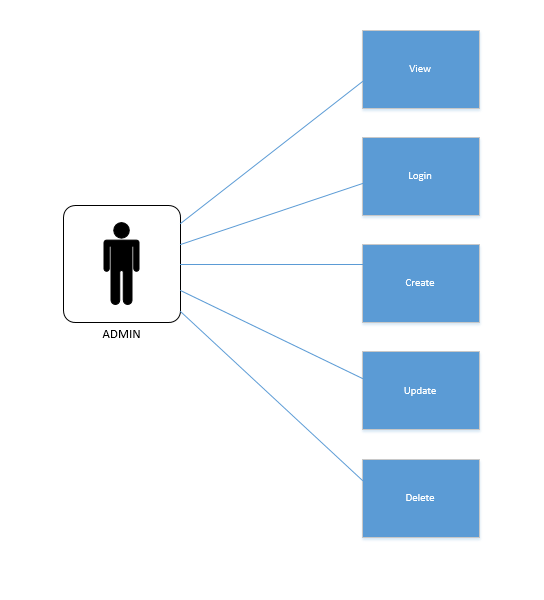
* 1. **Detail Import Note**



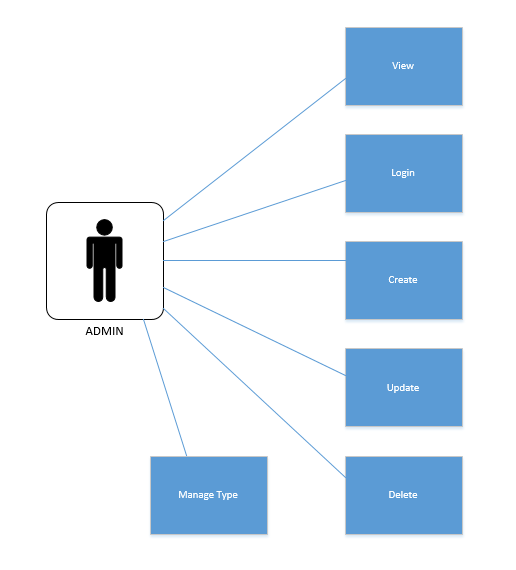
1. **USE – CASE DIAGRAM**
   1. **Overall Diagram**



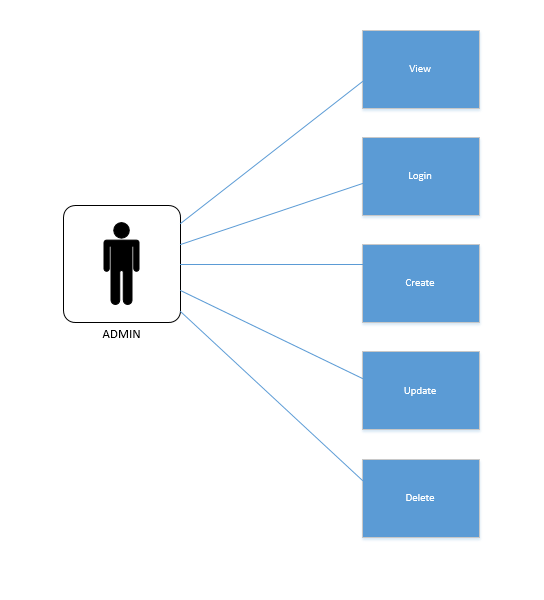
* 1. **Admin - Manage User Use-case**



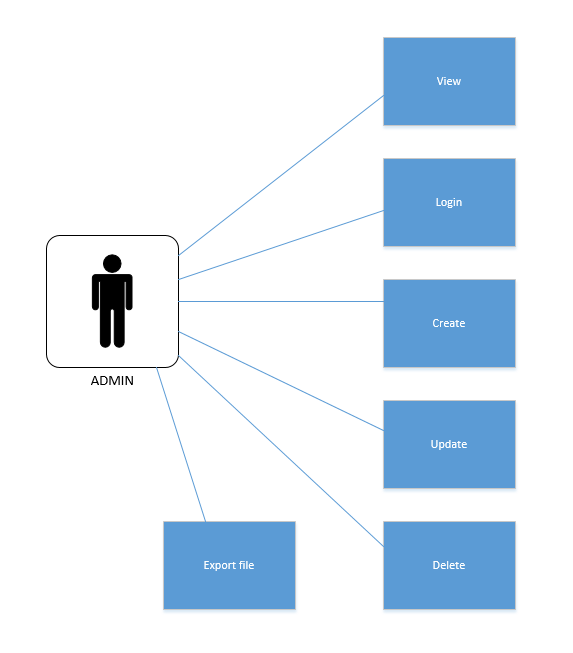
* 1. **Admin - Manage Merchandise Use-case**



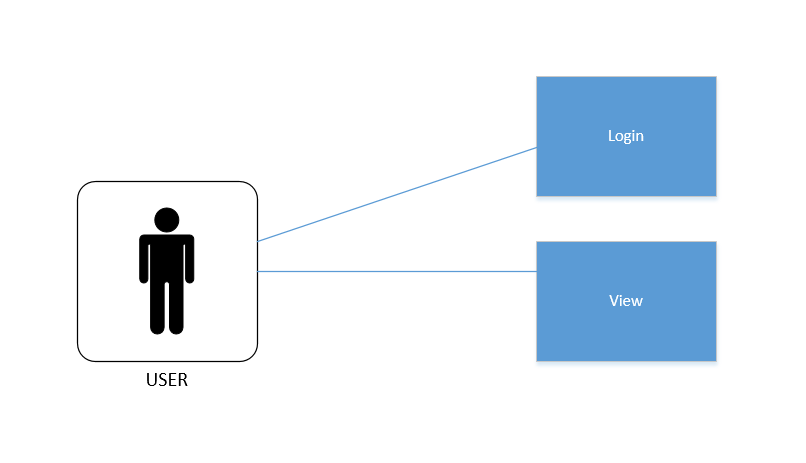
* 1. **Admin - Manage Supplier Use-case**



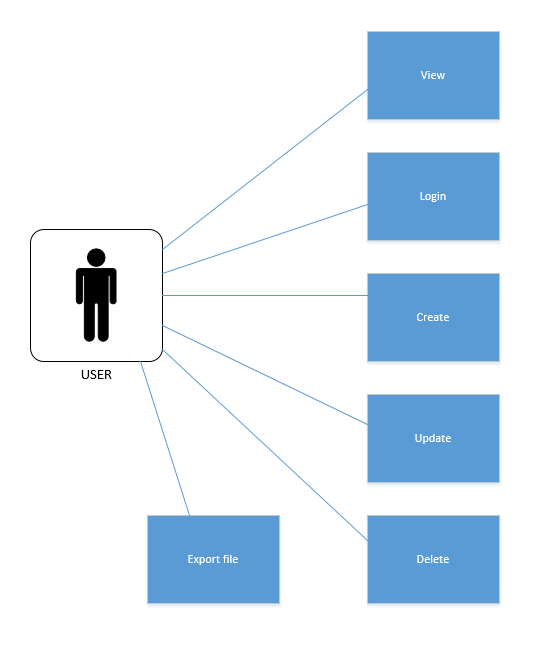
* 1. **Admin - Importing & exporting Merchandise Use-case**



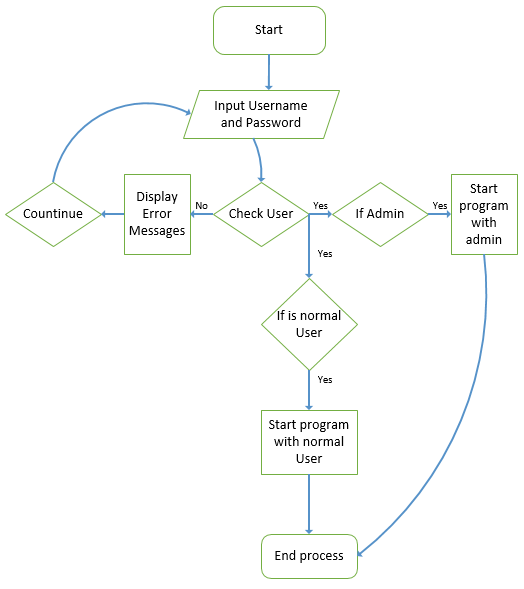
* 1. **User - Manage Supplier**



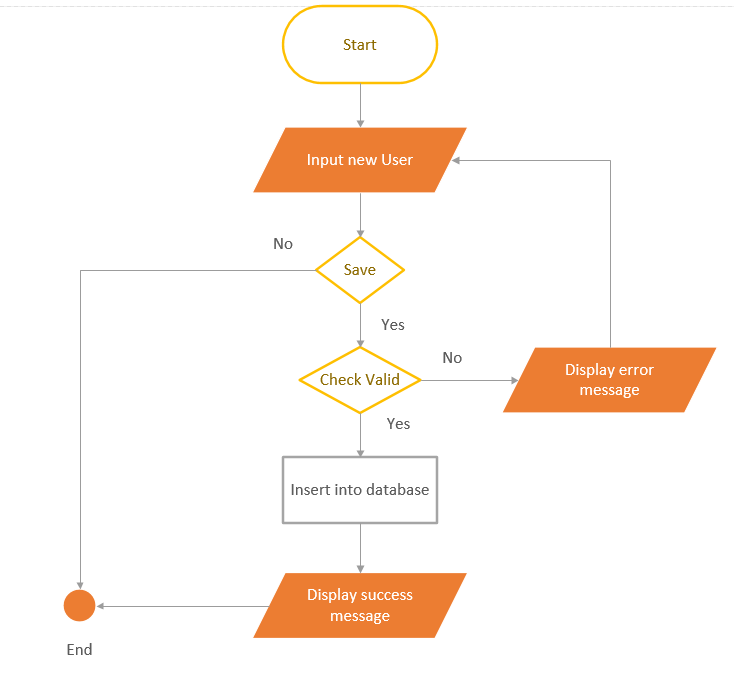
* 1. **User - Importing & exporting Merchandise Use-case**



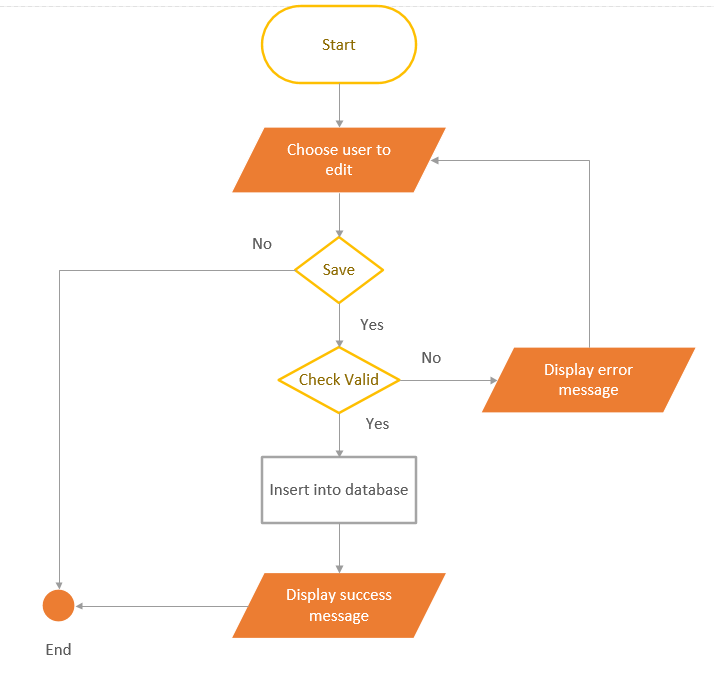
1. **WORKFLOW**
   1. **Login workflow**



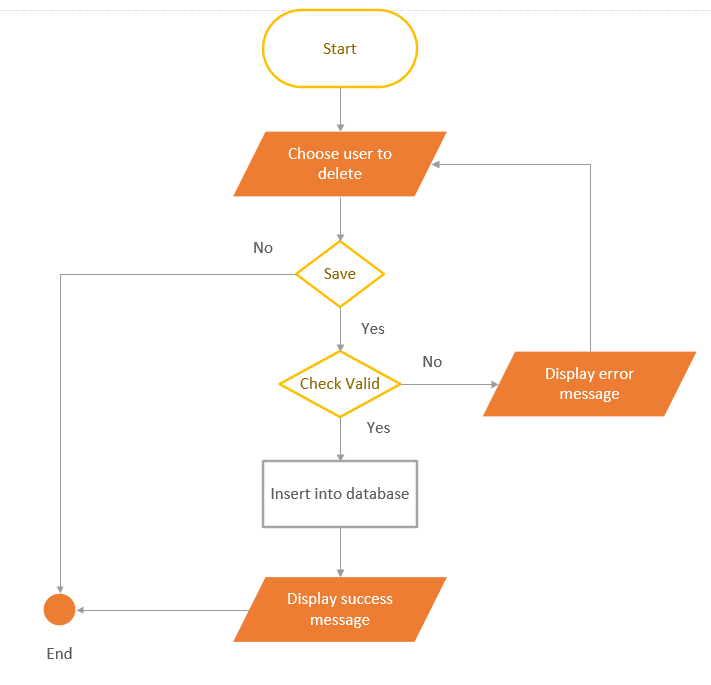
* 1. **New user workflow**



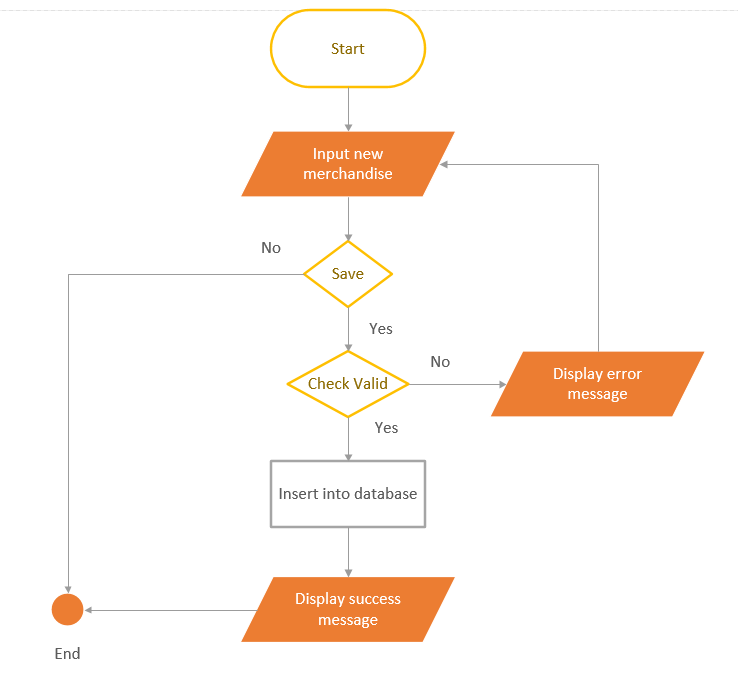
* 1. **Edit user workflow**



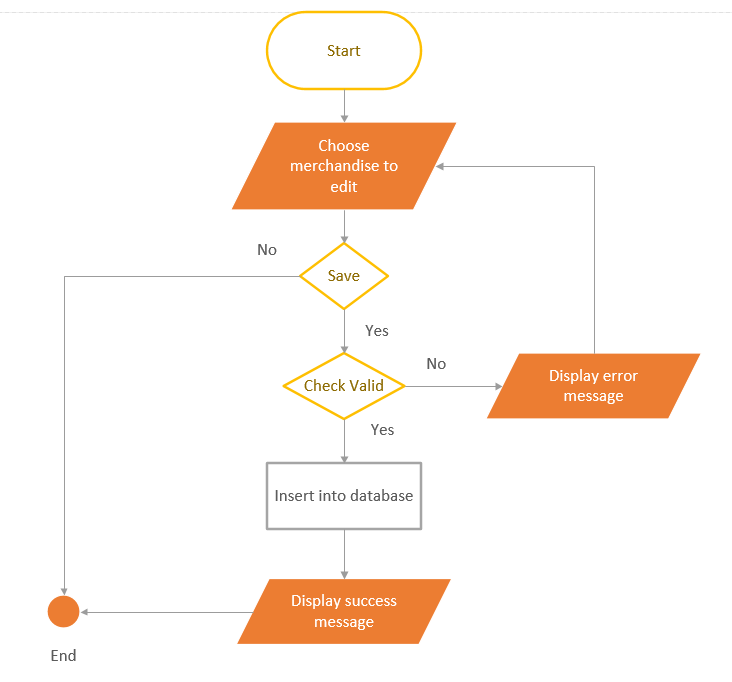
* 1. **Delete user workflow**



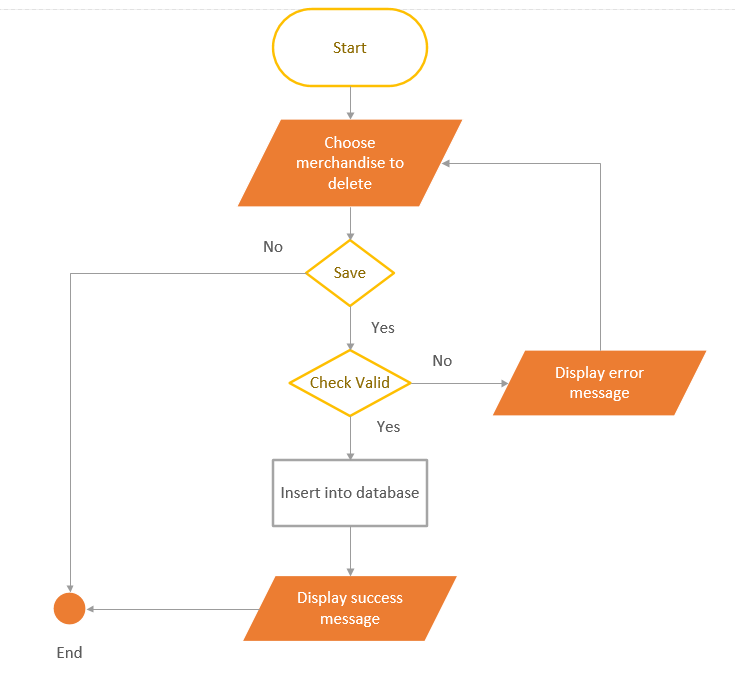
* 1. **New merchandise workflow**



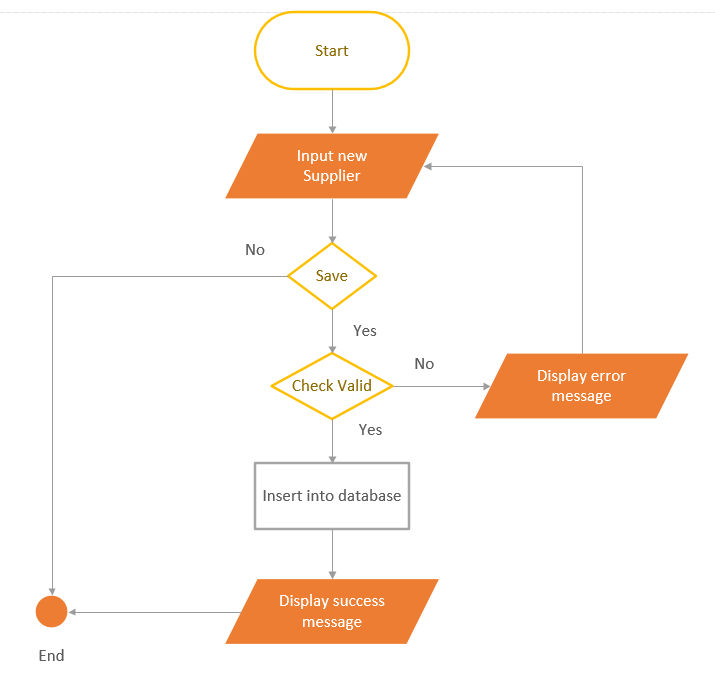
* 1. **Edit merchandise workflow**



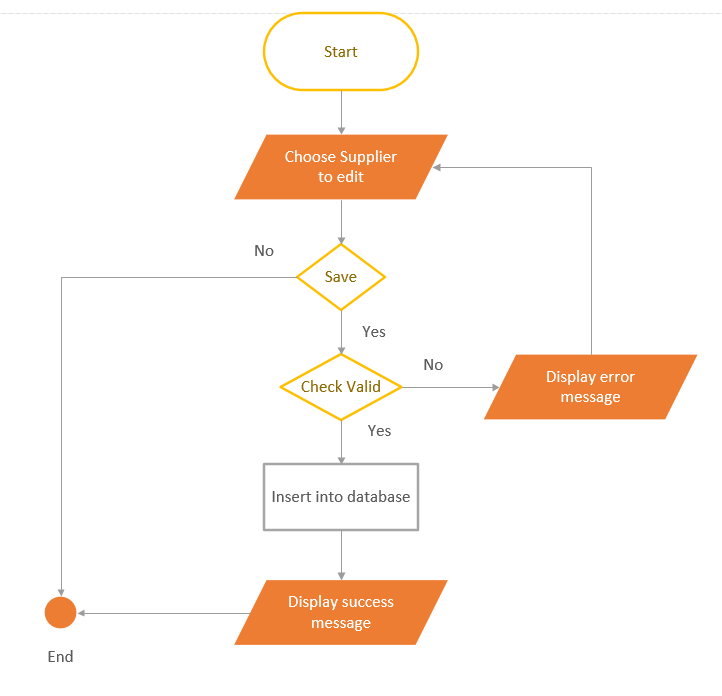
* 1. **Delete merchandise workflow**



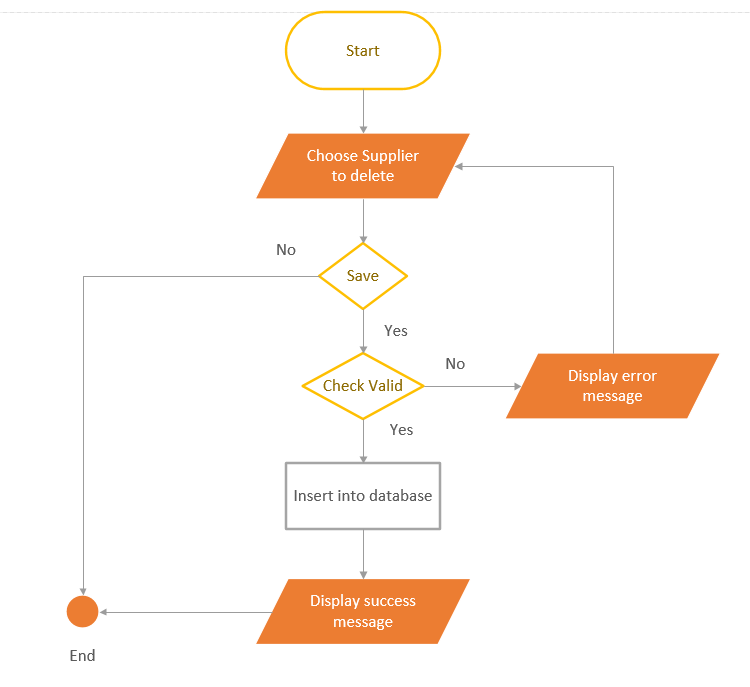
* 1. **New Supplier workflow**



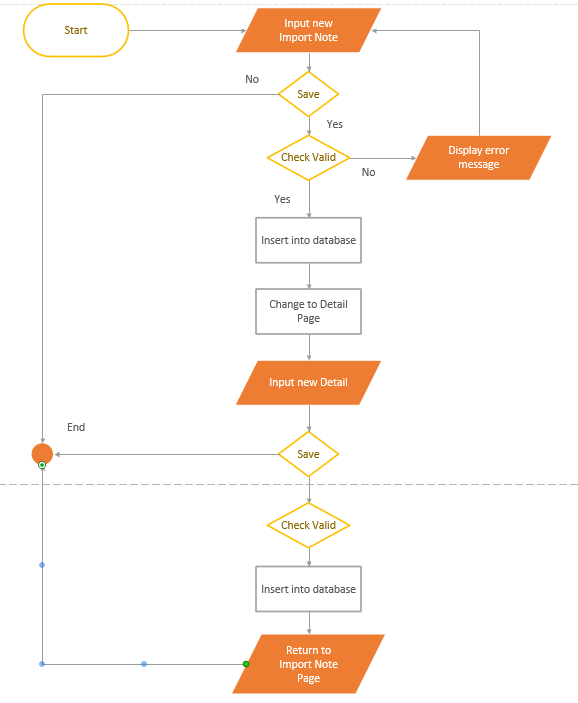
* 1. **Edit Supplier workflow**



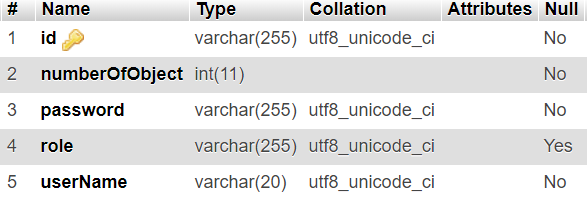
* 1. **Delete Supplier workflow**



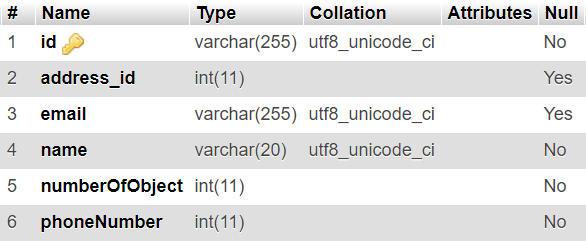
* 1. New Importing Note



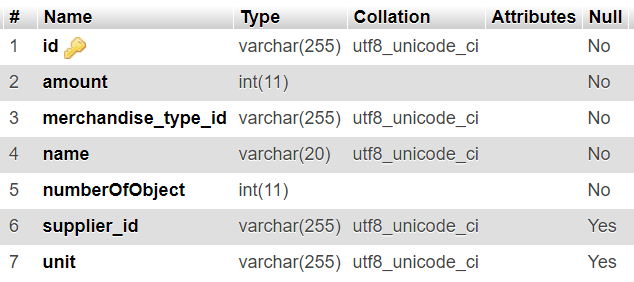
1. **TABLE**
   1. **User**



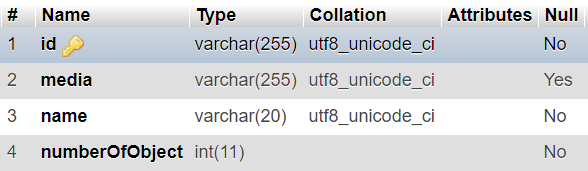
* 1. **Supplier**



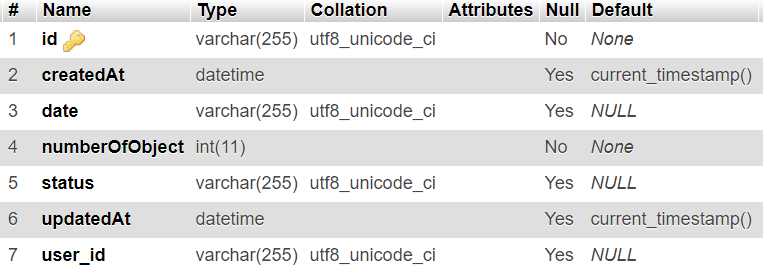
* 1. **Merchandise**



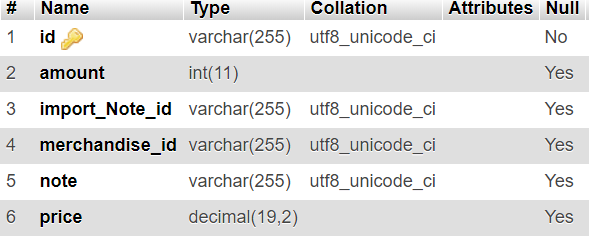
* 1. **Merchandise Type**



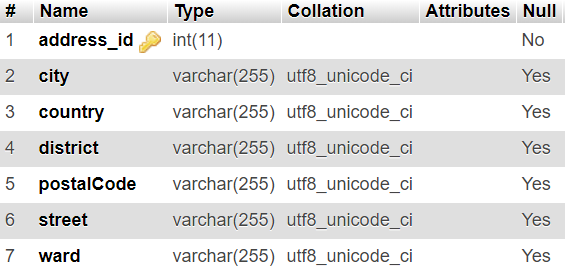
* 1. **Import Note**



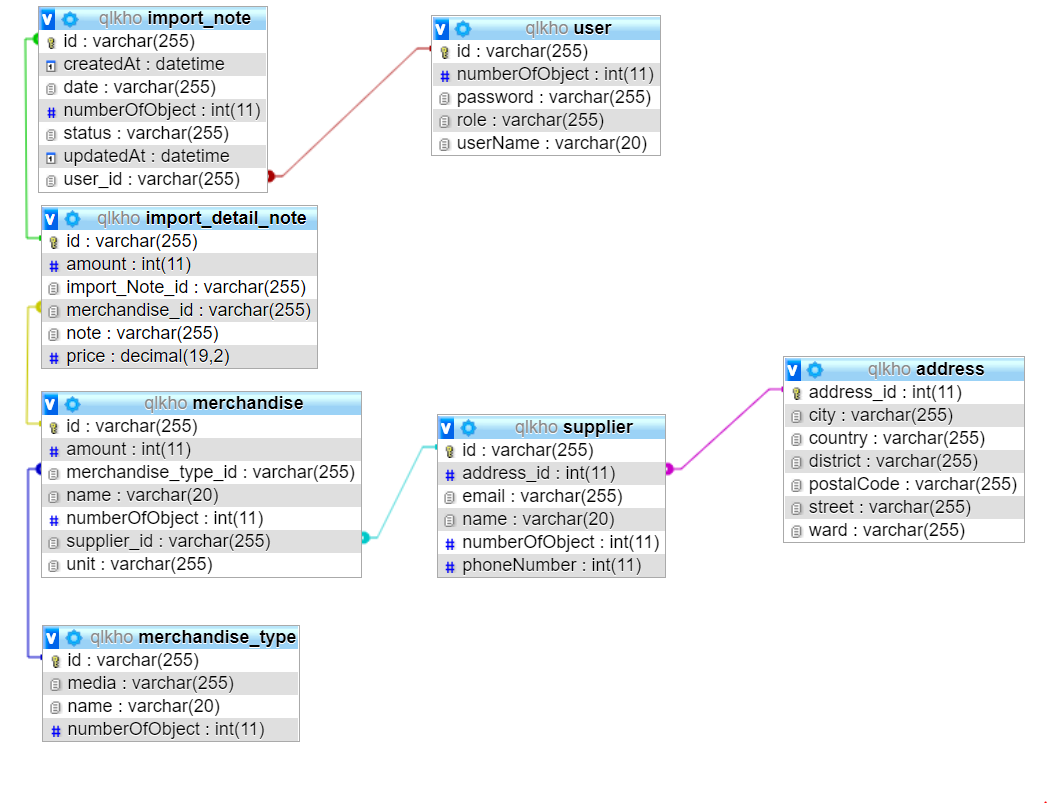
* 1. **Import\_Detail\_Note (Detail of Import Note)**



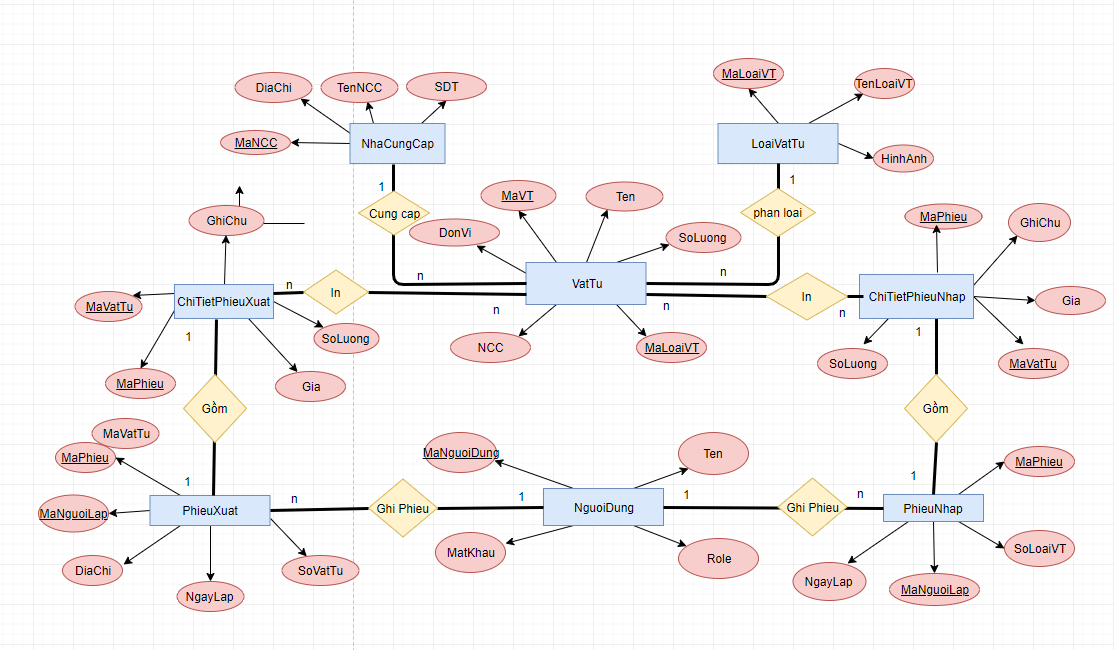
* 1. **Address**



1. **DATABASE DIGRAM**



1. **ERD**

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1. **VIEW WEB PAGE**

