*Appendices*

Process of Data Information Load

1. Data dictionary

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Length** | **Description** |
| Category.id | Int | 11 | Surrogate primary key for Category |
| Category.category | varchar(255) | 255 | Category of equipments |
| Inventory.id | Int | 11 | Surrogate primary key for Inventory |
| Inventory.product\_id | Int | 11 | Foreign key used to link Products table |
| Inventory.quantity | Int | 11 | Holds information regarding product counts |
| Orders.id | Int | 11 | Surrogate primary key for Orders |
| Orders.purchaseorders\_id | Int | 11 | Foreign key used to link purchaseOrders |
| Orders.ProductName | varchar(255) | 255 | The product name of the order |
| Orders.quantity | Int | 11 | The quantity of the ordered product |

|  |  |  |  |
| --- | --- | --- | --- |
| Orders.amount | Decimal(10,2 | Decimal(10,2) | The unit price of the product ordered |
| Productpictures.id | Int | 11 | The surrogate primary key of productpictures |
| Productpictures.product\_id | Int | 11 | Foreign key used to link to products |
| Productpictures.picture | varchar(255) | 255 | The file location of the images of the products |
| Products.id | Int | 11 | The surrogate primary key of Products |
| Products.productName | varchar(255) | 255 | Name of the product |
| Products.productDesc | Text | Text | Description of the prodcut |
| Products.sellingPrice | Decimal(10,2) | Decimal(10,2) | Unit price value of the product |
| Products.categoryID | Int | 11 | Foreign key used to link Category of the product |
| Products.picture | varchar(255) | 255 | Image location of the product’s display photo |
| Purchaseorders.id | Int | 11 | Surrogate primary key of Purchaseorders |
| Purchaseorders.status | varchar(255 | 255 | Indicates the status of an order |
| Purchaseorders.customer\_name | varchar(255) | 255 | Customer’s name in the order |
| Purchaseorders.customer\_address | Text | Text | Customer’s address in the order |
| Purchaseorders.customer\_mobile | varchar(255) | 255 | Customer’s contact number in the order |
| Purchaseorder.customer\_email | varchar(255) | 255 | Customer’s email address in the order |
| Purchaseorder.deadline | Date | Date | Order’s deadline |
| Purchaseorder.user\_id | Int | 11 | Foreign key used to link Users |
| Purchaseorder.remarks | varchar(255) | 255 | Remarks for the order |
| Purchaseorder.userverified | varchar(255) | 255 | Indicates if the user is verified of the order and account information |
| Users.id | Int | 11 | Surrogate primary key for Users |
| Users.customer\_address | Text | Text | Customer’s address under his/her Account |
| Users.name | varchar(255) | 255 | User’s user name for logging in |
| Users.lastname | varchar(255) | 255 | User’s last name |
| Users.firstname | varchar(255) | 255 | User’s first name |
| Users.middleName | varchar(255) | 255 | User’s middle name |
| Users.mobileNumber | varchar(255) | 255 | User’s mobile number |
| Users.userType | varchar(255) | 255 | Distinguishes the account if he/she is an admin or a customer |
| Users.active | Int | 11 | Indicates if the user is verified/activated |
| User.token | varchar(255) | 255 | System’s auto-generated token for email verification |

1. Data flows diagram

Customer

Status Order Orders online

Registers and logs in

Updates product information Receives orders

Updates order status

Admin

Orders

Updates order status

Updates product details

1. Jackson Structured Programming

**Gomeco Inventory**

User management

Report

Product management

Product management

Home

Manage Product

Manage Users

Pending Orders

Add Product

My Account

On-delivery Orders

New User

Cancelled Orders

Closed Orders

1. Normalization

Orders

Id

Purchaseorder\_id

productName

quantity

amount

Category

Id

Category

Users

Id

Customer\_address

Name

Lastname

Firstname

MiddleName

mobileNumber

userType

email

password

token

active

Inventory

Id

Product\_id

Quantity

Products

Id

ProductName

ProductDesc

SellingPrice

Category\_id

Picture

productPictures

Id

Product\_id

picture

PurchaseOrders

Id

status

customer\_name

customer\_address

customer\_mobile

customer\_email

deadline

user\_id

remarks

userverified

1. *Entity relationship diagram*

Category

Inventory

Products

Users

Orders

PurchaseOrders

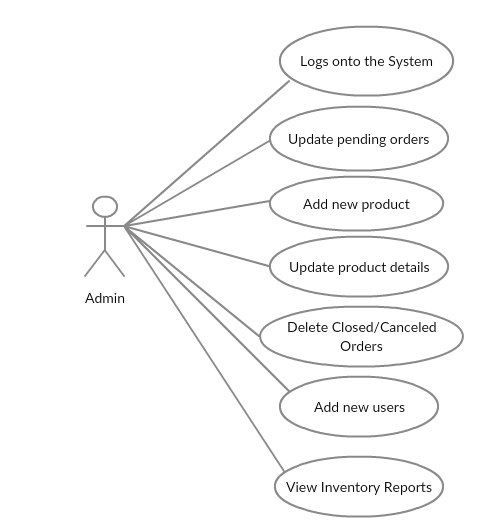
productPictures

*Test Case Result*

Case Diagram

Use-cases

The following use-cases are typical interactions between the external environment and the internal software system.



Evaluation of test document tool

1. Survey Questionnaire

Pamantasan ng Lungsod ng Valenzuela

Information Technology Department

**Name: Position:**

**Department: Age:**

**Direction:** Rate the proposed system “*Web-Based Warehouse Inventory Management System for the Property office of Valenzuela”* based from the following criteria given. **Schemes are given below:**

**(5) Excellent** – The feature is easily and efficiently done

**(4) Very good** – The said feature is done but needs some improvement

**(3) Good** – Doing the said feature is done but can still be improved

**(2) Fair** – There is difficulty in doing the said feature

**(1) Poor** – The system does not provide the said features.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Questions** | **5** | **4** | **3** | **2** | **1** |
| 1 | All necessary transactions are catered by the system. |  |  |  |  |  |
| 2 | Information retrieval is accurate and reliable. |  |  |  |  |  |
| 3 | Extraction of specific information is easy and convenient. |  |  |  |  |  |
| 4 | Viewing of usage history of every equipment and tracing of former proprietor is possible. |  |  |  |  |  |
| 5 | Keeping records of the amount of gasoline and diesel left for future references regarding fuel allocation is efficient. |  |  |  |  |  |
| 6 | All necessary reports/documents can be produced and offers consistency. |  |  |  |  |  |
| 7 | Conducting of property inspection on their own office and use of proposed system to forward updates regarding equipment registered to them and its whereabouts is convenient. |  |  |  |  |  |
| 8 | The information needed for reports are complete and precise |  |  |  |  |  |
| 9 | Navigating into each modules environment is easy |  |  |  |  |  |
| 10 | Searching for information relating to properties and supplies is dynamic and efficient |  |  |  |  |  |

**Pamantasan ng Lungsod ng Valenzuela**

Information Technology Department

**Name: Position:**

**Department: Age:**

**Direction:** Rate the processes of the property office based on the given criteria. **Schemes are given below:**

**(5) Excellent** – The transaction or process is done quickly and efficiently

**(4) Very good** – The said transaction or process is provided but needs some improvement

**(3) Good** – The said transaction or process is provided but needs improvement

**(2) Fair** – There is much difficulty in doing the said transaction or process

**(1) Poor** – There is much difficulty or no provision of the said transaction or process.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Questions** | **5** | **4** | **3** | **2** | **1** |
| 1 | Requesting different forms to be filled up regarding property and supply is easy |  |  |  |  |  |
| 2 | Request regarding fuel allocation, property maintenance, etc. are processed quickly and efficiently |  |  |  |  |  |
| 3 | Getting updates regarding requests are quick |  |  |  |  |  |
| 4 | The property office provides for inquiries for different processes done in their office |  |  |  |  |  |
| 5 | The property office processes covers the 3S Goals of Valenzuela   * Simple Process * Speed in Delivery * Service Excellence |  |  |  |  |  |
| 6 | Property clearances are done quickly and easily |  |  |  |  |  |
| 7 | Updates regarding repair of equipment are quick and efficient |  |  |  |  |  |
| 8 | Verification regarding the status of bill payments are provided |  |  |  |  |  |
| 9 | Processes in the Property office are done simply |  |  |  |  |  |
| 10 | Requested properties and supplies are ensured to be appropriate and in good condition as they are delivered to its requisitioning office |  |  |  |  |  |