

Office Inventory Management System (OIMS)

Name : Meshwa Patel

Enrollment No : 190320107072

Semester: VIII BE(CE), LJET



(OIMS) is quick and hassle-free software that helps you to manage your office inventory by replacing the traditional methods of manually handling office inventory by a logbook or by an excel sheet program.



SCOPE

1. OIMS is **faster** and **easier** to manage compare to **tradional methods**.
2. Provides **authenticaiton** so only granted users can access the data.
3. Manage the data **remotely** from anywhere with internet.
4. Produces **graphs** to interpret the data easily.
5. Generates summarized **reports** which helps in decision making.



Targeted User



This software can be utilized perfectly in -

- IT Companies
- Construction Companies
- Law Firms
- Factories with Mechanical work

Roles

- Office Manager



MODULES



Login

Authentication so only the authorized user can access.



Product List

This module will keep the track record of products like which employee has been assigned with this product and other fields like issue date, quantity etc.



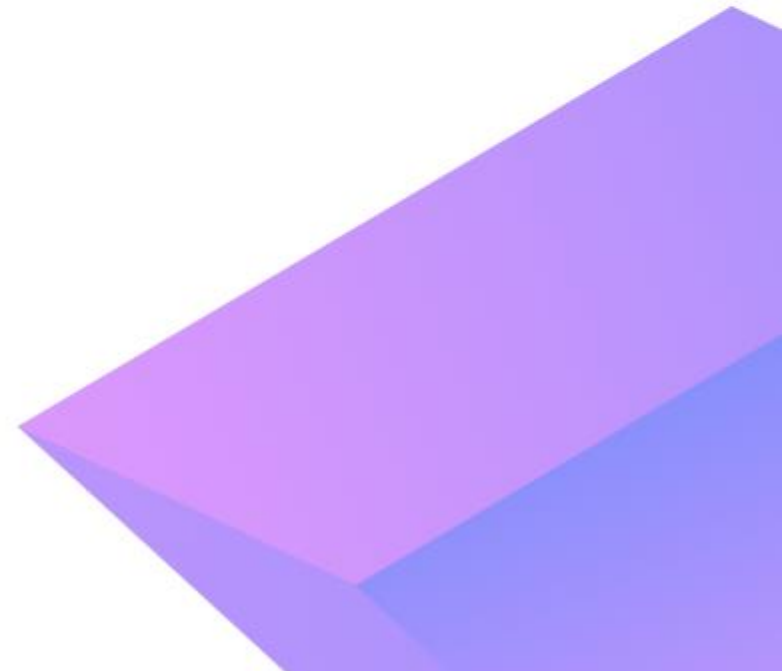
Suppliers

This module will keep records like supplier name and the products they supply etc.



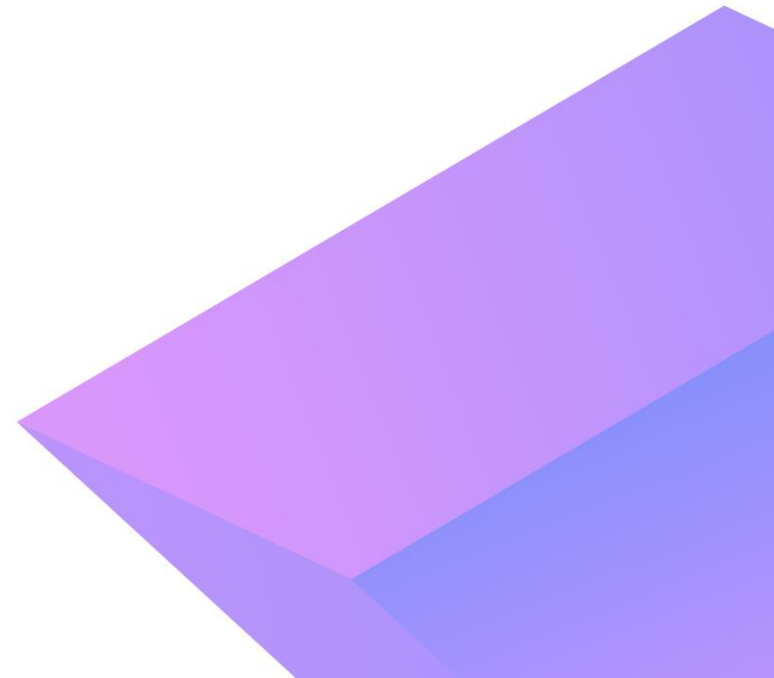
Department

This module will keep the record of employee's by their deparment.



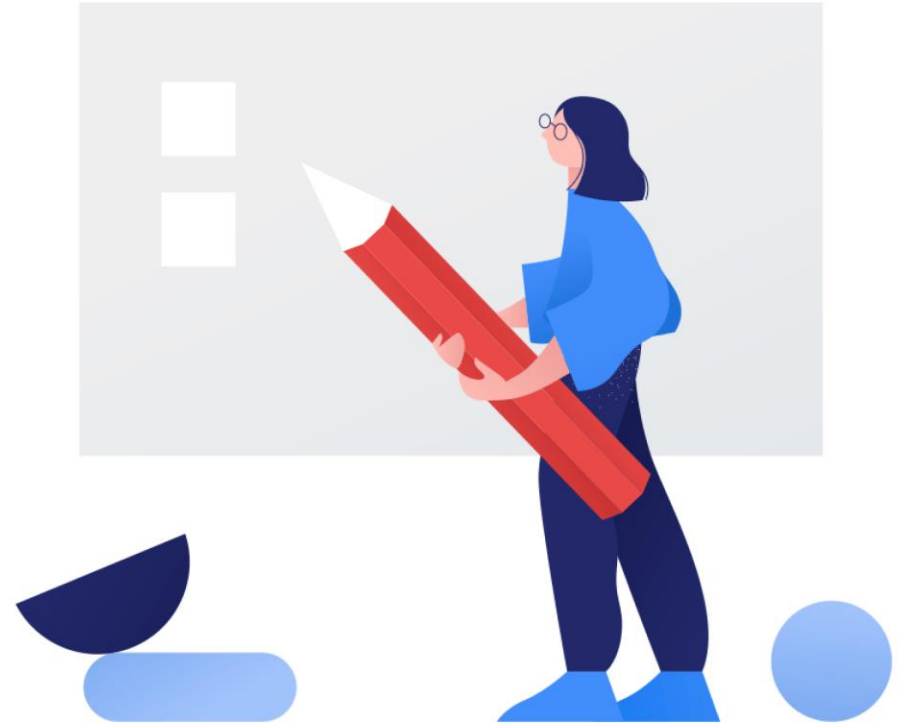
Employee

This module will keep the record of employee details like department ,products they have been assigned with and some other personal details.



Dashboard

It will show the transactions details in a graphical way



Report

It will provide all the transaction details like total products stock, total transaction cost etc..



Manage Inventory

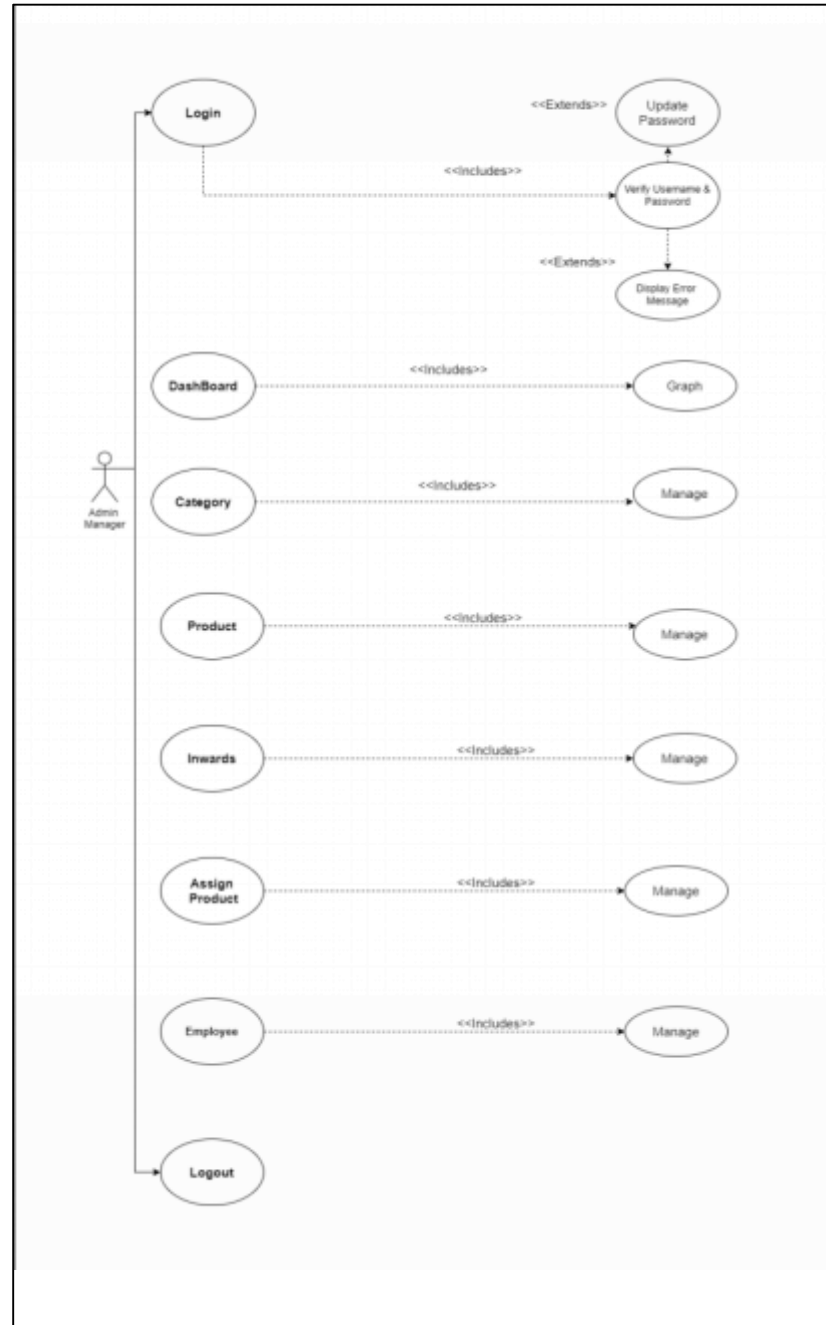
This module will help the user to manage departments, employee's, products and suppliers.



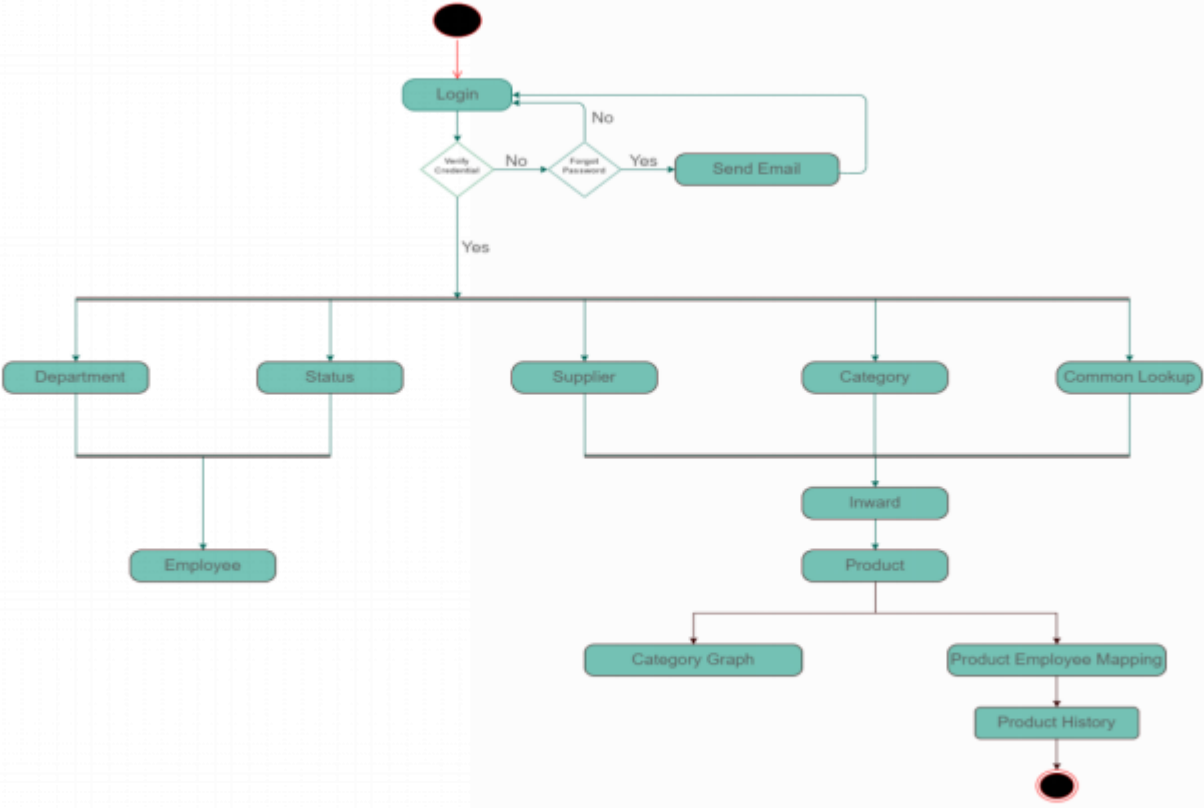
Diagrams



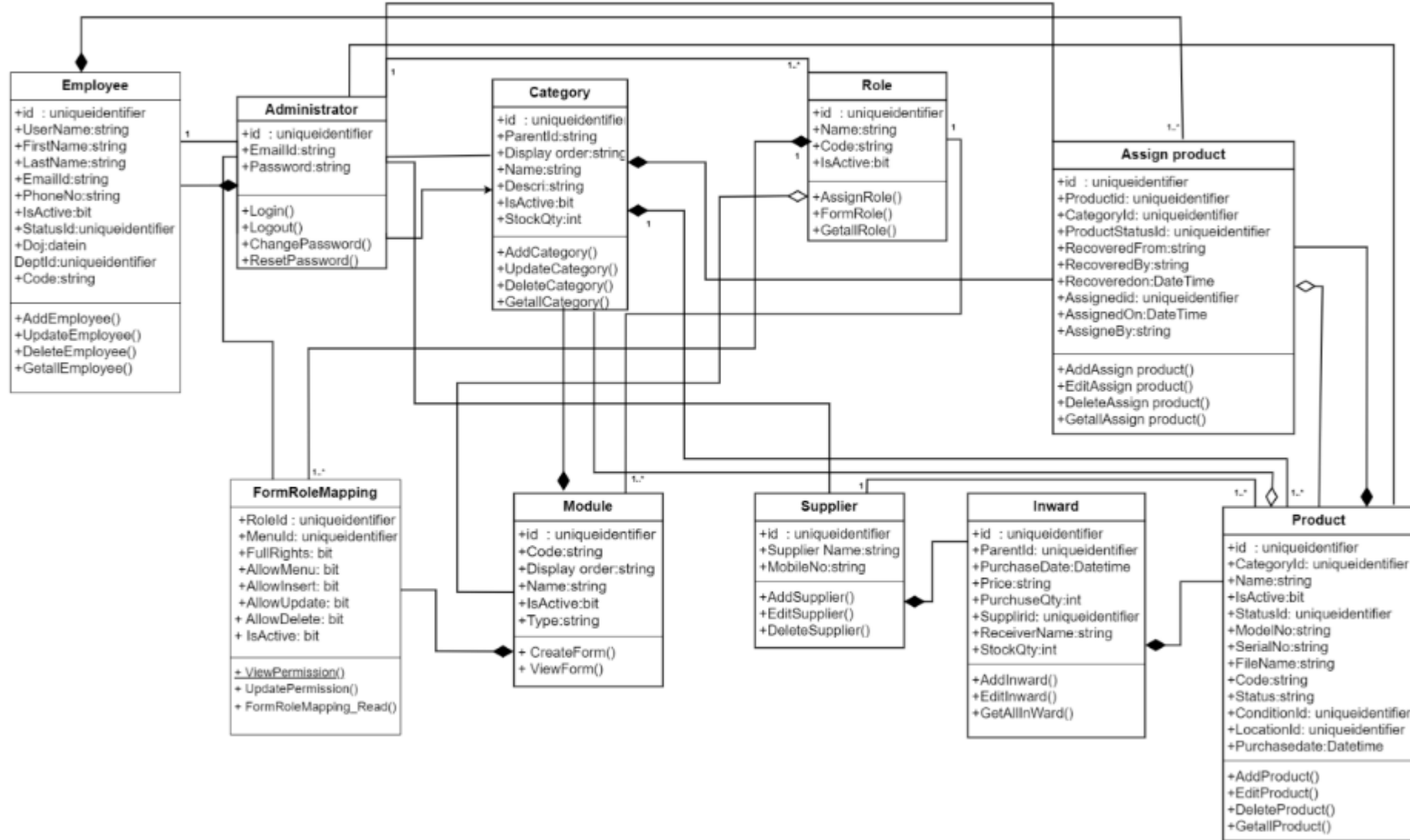
Use Case-



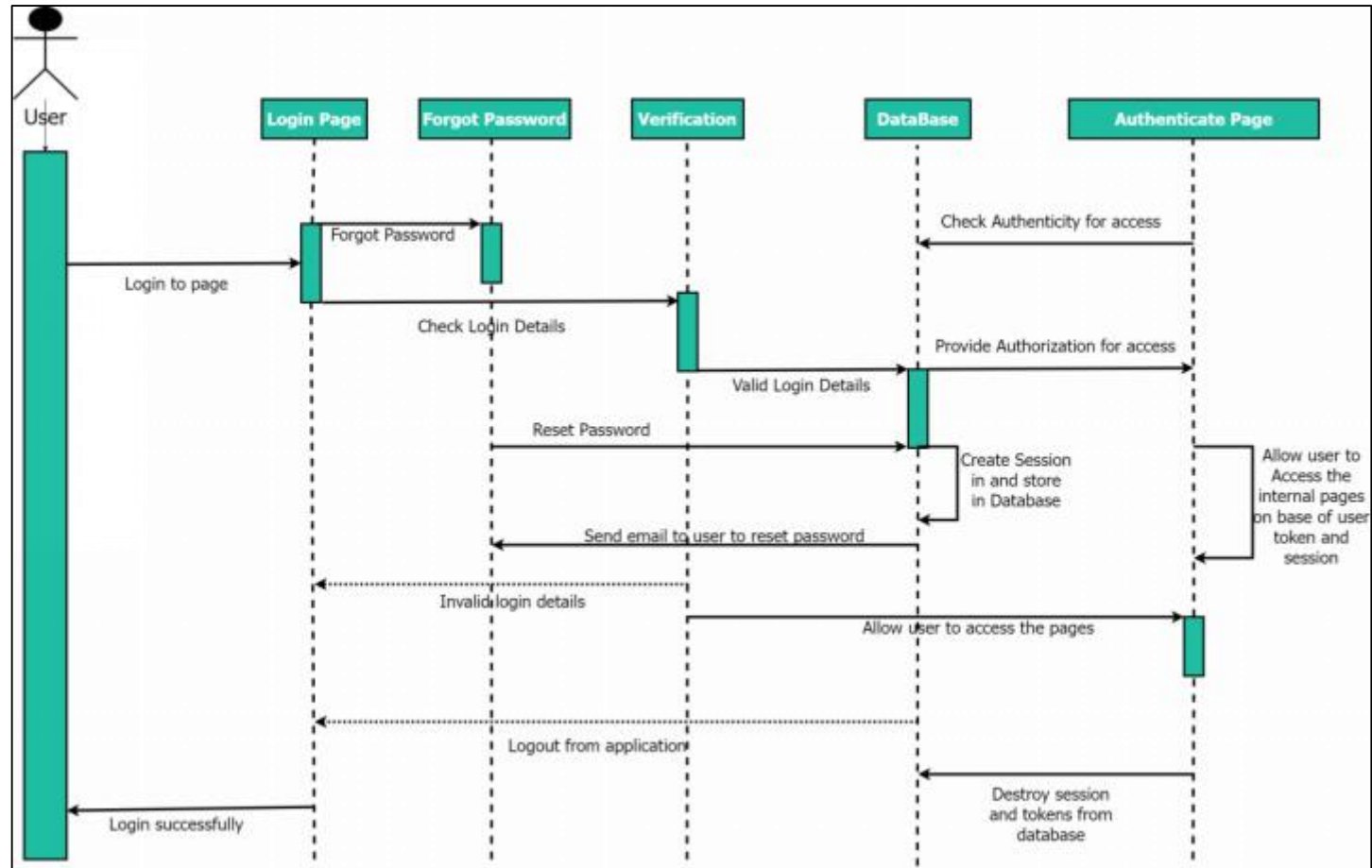
Activity Diagram-



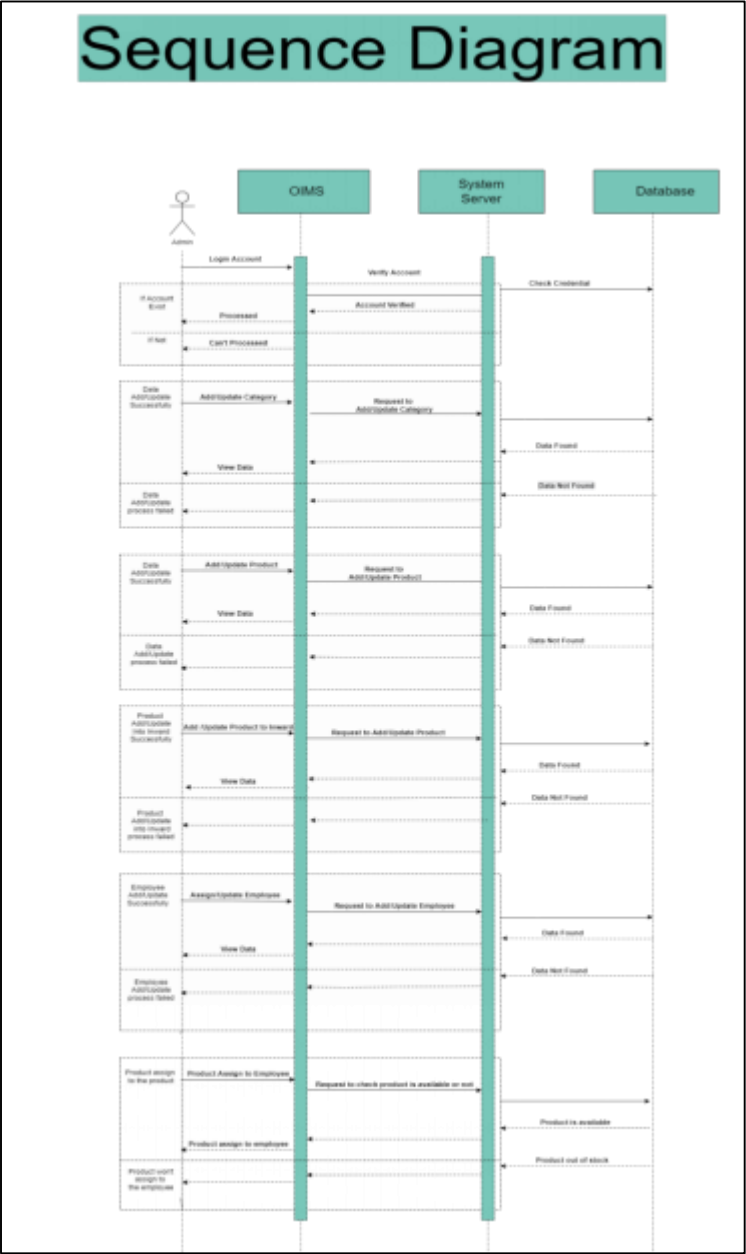
Class Diagram-



Sequence Diagram-



Sequence Diagram-



Login Validation





Sign In

Email Id

Password

Password is required

[Forgot Password?](#)

☐ Remember me

Sign In



Sign In

Email Id

Email Id is required.

Password

[Forgot Password?](#)

☐ Remember me

Sign In



Sign In

Email Id

godhanishubham@gmail.com

Password

Email id or Password are invalid.

[Forgot Password?](#)

☐ Remember me

Sign In

Data Dictionary



CATEGORY

FIELD NAME	DATA TYPE	SIZE	CONSTRAINTS	DESCRIPTION
CATEGORY_ID	UNIQUE IDENTIFER	16	PRIMARY KEY	UNIQUEIDENTIFIER IS USED TO STORE GLOBALLY UNIQUE IDENTIFIERS, IT IS A HEXADECIMAL DIGIT IN THE RANGE 0-9.
CATEGORY_NAME	NVARCHAR	25	NOT NULL	NVARCHAR COLUMN STORES ANY UNICODE DATA. IT STORES CHARACTER DATA IN A VARIABLE-LENGTH FIELD.
CATEGORY_DESCRIPTION	NVARCHAR	100	NULL	NVARCHAR COLUMN STORES ANY UNICODE DATA. IT STORES CHARACTER DATA IN A VARIABLE-LENGTH FIELD.
STOCK_QTY	INT	6	NOT NULL	STORES STOCK QUANTITY.
ISACTIVE	BIT	1	NOT NULL	STORES THE STATUS OF A CATEGORY.

EMPLOYEE

FIELD NAME	DATA TYPE	SIZE	CONSTRAINTS	DESCRIPTION
EMPID	UNIQUE IDENTIFIER	16	PRIMARY KEY	EMPLOYEE ID, AUTO-GENERATED FIELD.
EMP_USERNAME	UNIQUE IDENTIFIER	60	NOT NULL	STORES THE USERNAME OF THE EMPLOYEE. ALL THE USERNAME'S ARE STORED UNIQUELY.
EMP_FIRSTNAME	NVARCHAR	25	NOT NULL	STORES THE EMPLOYEE'S FIRSTNAME.
EMP_LASTNAME	NVARCHAR	25	NOT NULL	STORES THE EMPLOYEE'S LASTNAME.
EMP_EMAIL	NVARCHAR	100	NOT NULL	STORES THE EMPLOYEE'S EMAIL ADDRESS.
EMP_PHONENO	NVARCHAR	20	NOT NULL	STORES THE EMPLOYEE'S PHONE NUMBER.
ISACTIVE	BIT	1	NOT NULL	STORES WEATHER THE EMPLOYEE IS ACTIVE OT NOT.
EMP_DATEOFJOINING	DATETIME	8	NOT NULL	STORES THE DATE OF EMPLOYEE JOINING.

INWARD

FIELD NAME	DATA TYPE	SIZE	CONSTRAINTS	DESCRIPTION
INWARD_ID	UNIQUE IDENTIFER	16	PRIMARY KEY	INWARD ID, FIELD IS AUTO-GENERATED.
PRODUCTID	UNIQUE IDENTIFER	16	FOREIGN KEY	PRODUCT ID, IT HELPS INWARD TO UNIQUELY IDENTIFY A PRODUCT IN INWARD.
INWARD_PURCHASE_DATE	DATETIME	8	NOT NULL	STORES PURHCASE DATE.
INWARD_PURCHASE_QTY	INT	3	NOT NULL	STORES PURCHASE QUANTITY.
ISACTIVE	INT	6	NOT NULL	STORES WEATHER THE PRODUCT IS ACTIVE OR NOT.
INWARD_COST	FLOAT	8	NOT NULL	STORES THE COST OF THE PURCHASE.

MODULES				
FIELD NAME	DATA TYPE	SIZE	CONSTRAINTS	DESCRIPTION
MODULE_ID	UNIQUE IDENTIFER	16	PRIMARY KEY	MODULE ID, AUTO-GENERATED FIELD.
MODULE_NAME	UNIQUE IDENTIFER	25	NOT NULL	STORES THE NAME OF THE MODULE.
NAVIGATION_URL	VARCHAR	MAX	NOT NULL	STORES THE LINK OF THE MODULE TO NAVIGATE.
MODULEACCESS CODE	VARCHAR	50	NOT NULL	STORES THE CODE OF MODULE ACCESS.
MODULE_DISPLAY_ORDER	INT	5	NULL	STORES THE VALUE OF MODULE DISPLAY ORDER.
ISDISPLAYMENU	FLOAT	5	NULL	STORES WEATHER THIS MODULE SHOULD BE DISPLAYED TO THE USER OR NOT.
ISACTIVE	BIT	1	NOT NULL	STORES WEATHER THIS MODULE IS ACTIVE OR NOT.

MODULE MAPPING TO ROLES

FIELD NAME	DATA TYPE	SIZE	CONSTRAINTS	DESCRIPTION
MMRID	INT	16	PRIMARY KEY	MODULE MAPPING TO ROLES ID, AUTO-GENERATED FIELD.
ROLEID	INT	2	FOREIGN KEY	HELPS MMR TO UNIQUELY IDENTIFY A ROLE.
ALLOW_MENU	BIT	1	NULL	STORES WEATHER THE MENU ACCESS SHOULD BE ALLOWED OR NOT.
ALLOW_VIEW	BIT	1	NULL	STORES WEATHER THE MENU VIEW SHOULD BE DISPLAYED OR NOT.
ALLOW_INSERT	BIT	1	NULL	STORES WEATHER THE ACCESS TO WRITE SHOULD BE GIVEN OR NOT.
ALLOW_UPDATE	BIT	1	NULL	STORES WEATHER THE ACCESS TO UPDATE SHOULD BE GIVEN OR NOT.
FULLRIGHTS	BIT	1	NULL	STORES WEATHER ALL RIGHTS SHOULD BE GIVEN OR NOT.

PRODUCT

FIELD NAME	DATA TYPE	SIZE	CONSTRAINTS	DESCRIPTION
PRODUCTID	UNIQUE IDENTIFER	16	PRIMARY KEY	PRODUCT ID, AUTO GENERATED FIELD.
PRODUCT_NAME	NVARCHAR	25	NOT NULL	STORES PRODUCT NAME.
PRODUCT_MODEL_NO	NVARCHAR	50	NOT NULL	STORES MODEL NUMBER OF THE PRODUCT.
SERIAL_NO	NVARCHAR	16	NOT NULL	STORES SERIAL NUMBER OF THE PRODUCT.
PRODUCT_CODE	NVARCHAR	10	NOT NULL	STORES PRODUCT CODE OF THE PRODUCT.
ISACTIVE	BIT	1	NOT NULL	STORES WEATHER THE PRODUCT IS ACTIVE OR NOT.
STATUS	UNIQUE IDENTIFER	16	NOT NULL	STORES THE STATUS OF THE PRODUCT WEATHER IS AVAILAVLEOR OUT OF STOCK.

PRODUCT MAPPING TO EMPLOYEE				
FIELD NAME	DATA TYPE	SIZE	CONSTRAINTS	DESCRIPTION
PMEID	UNIQUE IDENTIFER	16	PRIMARY KEY	PRODUCT MAPPING TO EMPLOYEE ID, AUTO-GENERATED FIELD.
PRODUCTID	UNIQUE IDENTIFER	16	FOREIGN KEY	HELPS THE PME TO UNIQUELY IDENTIFY A PRODUCT.
RECOVEREDFROM	VARCHAR	25	NOT NULL	STORES THE NAME OF THE EMPLOYEE FROM THE PRODUCT IS RECOVERED.
RECOVEREDBY	VARCHAR	25	NOT NULL	STORES THE NAME OF THE PERSON WHO RECOVERED THE PRODUCT FROM EMPLOYEE.
RECOVEREDON	DATETIME	8	NOT NULL	STORES THE DATE AND TIME ON WHICH THE PRODUCT WAS RECOVERED.
ASSIGNEDTO	UNIQUE IDENTIFER	16	NOT NULL	STORES THE NAME OF THE ASSIGNED EMPLOYEE.
ASSIGNEDBY	VARCHAR	25	NOT NULL	STORES THE NAME OF THE PERSON WHO ASSIGNED THE PRODUCT TO THE EMPLOYEE.
ASSIGNEDON	DATETIME	8	NOT NULL	STORES THE DATE AND TIME ON WHICH THE PRODUCT WAS ASSIGNED.

ROLE

FIELD NAME	DATA TYPE	SIZE	CONSTRAINTS	DESCRIPTION
ROLEID	UNIQUE IDENTIFER	16	PRIMARY KEY	ROLE ID, AUTO-GENERATED FIELD.
ROLENAME	UNIQUE IDENTIFER	25	NOT NULL	STORES THE ROLE NAME LIKE ADMIN OR USER.
ROLECODE	DATETIME	10	NOT NULL	STORES THE CODE OF THE ROLE.
ISACTIVE	BIT	1	NOT NULL	STORES WEATHER THE ROLE IS ACTIVE OR NOT.

PRODUCT HISTORY

FIELD NAME	DATA TYPE	SIZE	CONSTRAINTS	DESCRIPTION
PHID	UNIQUE IDENTIFER	16	PRIMARY KEY	PRODUCT HISTORY ID, AUTO-GENERATED FIELD.
PH_STATUS	UNIQUE IDENTIFER	60	NOT NULL	STORES THE CURRENT STATUS OF THE PRODUCT WEATHER IT IS ASSIGNED OR NOT
RECOVER_FROM	NVARCHAR	50	FOREIGN KEY	STORES THE NAME FROM WHOM TO RECOVER THE PRODUCT.
RECOVERED_ON	NVARCHAR	50	NOT NULL	STORES THE TIME WHEN THE PRODUCT WAS RECOVERD.
RECOVERED_BY	NVARCHAR	100	NOT NULL	STORES THE NAME WHO RECOVERED THE PRODUCT.
ASSIGNED_ON	NVARCHAR	50	NOT NULL	STORES THE TIME OF ASSIGING THE PRODUCT.
ASSIGNED_TO	UNIQUE IDENTIFER	1	FOREIGN KEY	STORES THE NAME TO WHOM THE PRODUCT IS ASSIGNED TO.
ASSIGNED_BY	DATETIME	50	NOT NULL	STORES THE NAME WHO ASSIGNED THE PRODUCT.

MODULES



Assets Summary

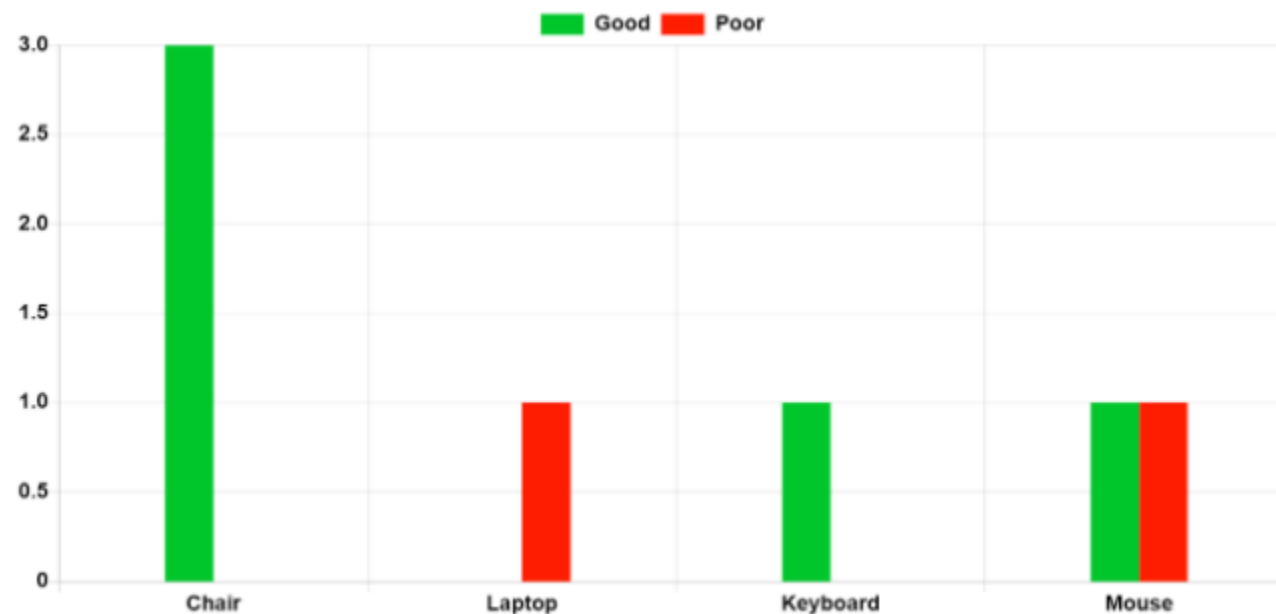
TOTAL ASSETS
11

ASSETS AVAILABLE
4


ASSETS ASSIGNED
7

ASSETS OUT OF STOCK
0


Assets Availability By Condition




Assest Reports

[Category](#) 


Click here to download the report for CATEGORY.

[Product](#) 


Click here to download the report for PRODUCT.

[Employee](#) 

Click here to download the report for EMPLOYEE.

[Inward](#) 

Click here to download the report for INWARD.

[Assigned prd](#) 

Click here to download the report for ASSIGNED PRODUCT.

Forgot Password

Email ID

Submit



Change Password

Old Password:

New Password:



















Confirm New Password:

Save



Category List

[Add](#) 

All	Name	Display Order	Stock Qty	Active	Action
Accessory	Accessory	2	0		 
Electronic	Electronic	1	8		 
Furniture	Furniture	3	0		 
	Laptop	4	8		 
	Mouse	7	0		 
	MousePad	6	0		 

Category

Name*

Please enter Category Name.

Display Order*

The Category Order field is required.

Parent Category

Description

Active

☒[Save](#)[Back To List](#)

Product

Category*

--Select Category--

please select the category

Code*

Please enter Product Code

Product*

Please enter Product Name.

Condition*

--Select Condition--

Please select the product condition

Model No.*

Please enter ModelNo.

Serial No.*

Please enter SerialNo.

Location*

--Select Location--


Status*

--Select Status--

FileName

Choose File No file chosen

Purchase Date:

dd-mm-yyyy 

Active



Save

















Back To List

Product List

Add

All

- All
- Chair
- Laptop
- Keyboard
- Mouse

	Name	Model No.	Category	Condition	Location	Status	Active	Action
	Savya Home	2252	Chair	Good	Ahmedabad	Available		 
	Lenovo Laptop	1234	Laptop	Poor	Banglore	Assigned		 
	AB Designs	2253	Chair	Good	Banglore	Available		 
	Logi Keyboard	keyboard123	Keyboard	Good	Ahmedabad	Assigned		 



iPhone 13

[Dashboard](#) [Category](#) [Product](#) [Employee](#) [Inward](#) [System](#) [Report](#) [Godhanishubham](#) 



Condition
Good

Status
Assigned

Asset Model No
Pho7567

Asset Category
Phone

Location
Ahmedabad

Purchased ON
04/21/2022

Created ON
4/21/2022 5:37:21 PM

Asset History

Assets Assigned

Updated By: Irfan

Assigned to	Yash
Assigned On	19/03/2022
Assigned by	Irfan
Recovered by	
Recovered from	
Recovered On	

Product

Category*

--Select Category--

Code*

Product*

Condition*

--Select Condition--

Model No.*

Serial No.*

Location*

--Select Location--

Status*

--Select Status--

FileName

Choose File

No file chosen

Purchase Date:

dd-mm-yyyy

Active



Save

Back To List

Apps

AITM

Build an app with A...

(1) Home

Comple...

localhost:44379 says
Are you sure you want to Delete??

OK

Cancel

IMS

Employee Inward System Godhanishubham

G

Product List

Add

All

search













All

Chair

Laptop

Keyboard

Mouse

	Name	Model No.	Category	Condition	Location	Status	Active	Action
	Savya Home	2252	Chair	Good	Ahmedabad	Available	<div>✓</div>	<div></div> <div></div>
	Lenovo Laptop	1234	Laptop	Poor	Banglore	Assigned	<div>✓</div>	<div></div> <div></div>
	AB Designs	2253	Chair	Good	Banglore	Available	<div>✓</div>	<div></div> <div></div>
	Logi Keyboard	keyboard123	Keyboard	Good	Ahmedabad	Assigned	<div>✓</div>	<div></div> <div></div>

Page 1 of 2.

1

2

»

Edit Product

Category

Chair

Code

CHR02

Product

Savya Home

Condition

GOOD

Model No.

2252

Serial No.

1256906565

Location

AHMEDABAD

Status

Available

FileName

Choose File

No file chosen

Purchase Date:

23-02-2022

Active



Save

Back To List

Employee List

[Add](#)

All

Code	Name	Email Id	Phone No.	Department	Status	Date Of Joining	Active	Action
AI117	Dheer Patel	dpatel@aakashinformatics.com	6353996710	Software Developer	Active	04-02-2022		
AI119	Tanvi bhut	tbhut@aakashinformatics.com	5689565625	Software Developer	Active	23-02-2022		
AI120	Shubham Godhani	sgodhani@aakashinformatics.com	1234567890	Front End Developer	Active	04-02-2022		

Employee

Employee Code*

Employee Code is required.

First Name*

FirstName is required.

Last Name*

LastName is required.

User Name*

Name is required.

Email*

Email is required.

Department*

Please Select the Department.

Status*

Please Select the Status.

Phone Number*

Mobile number is required.

Profile Pic.

 No file chosen

Date of joining:

Active

[Save](#)[Back To List](#)



Employee

Employee Code

AI117

First Name

Dheer

Last Name

Patel

User Name

DheerPatel

Email

dpatel@aakashinformatics.com

Department

Software Developer

Status

Active

Phone Number

6353996710

Profile Pic.

Choose File

No file chosen

Date of joining:

04-02-2022

Active









Save

Back To List



Department

Add

Name	Code	Display Order	Active	Action
UI/UX Designer	designer	4		
Software Developer	developer	2		
Accountant	ACCOUNTANT	3		



Department

Name

UI/UX Designer

Software Developer

Accountant

1 2 3 »

Add

Create



Name*

Department Name is required.

Code*

Department Code is required.

DisplayOrder

Active

☒

Submit

Active

Action





Department

Name

UI/UX Designer

Software Developer

Accountant

1 2 3 »

Edit



Name*

UI/UX Designer

Code

designer

DisplayOrder

4

Active



Submit

Add







Active

Action



Inward

[Add](#)

Product Name	Purchase Qty	Cost	Supplier Name	Purchase Date	Action
Mouse	3	₹ 500	Parth	11-11-2021	 
Laptop	2	₹ 100000	Pavan	31-01-2022	 
Laptop	1	₹ 50000	Parth	31-01-2022	 
Mouse	7	₹ 6000	Sachin	04-02-2022	 
Chair	2	₹ 2000	Pavan	04-02-2022	 
Laptop	5	₹ 100000	Parth	04-02-2022	 

Inward

Product Name*

Select Product

Supplier Name

Select Supplier

Purchase Date:

dd-mm-yyyy



Purchase Qty*

Cost*

Submit


Back To List

Inward

Product Name

Supplier Name

Purchase Date:

Purchase Qty







Cost

Submit

Back To List

Status List

[Add](#)

Name	Code	Display Order	Type	Active	Action
Unassigned	UNASSIGNED	7	Product		
Resigned	RESIGNED	4	Employee		
Available	AVAILABLE	2	Product		






Status List

Name	Code
Unassigned	UNASSIGNED
Resigned	RESIGNED
Available	AVAILABLE

Add

Active Action

✓	
✓	
✓	

Create



Status Name*

Name is required.

Status Code*

The Code field is required.

Display Order*

Type*

Active

☒

Submit

Cancel



Status List

Name	Code
Unassigned	UNASSIGNED
Resigned	RESIGNED
Available	AVAILABLE

Add

Edit

Name*

Unassigned

Status Code*

UNASSIGNED

Display Order*

7

Type*

Product

Active



Submit

Cancel













Active

Action



Common Lookup

[Add](#)

Name	Type	Code	Display Order	Active	Action
Ahmedabad	Location	AHMEDABAD	1		
Vadodara	Location	VADODARA	4		
Plastic	Material	PLASTIC	2		
Wood	Material	WOOD	4		
Banglore	Location	BANGLORE	2		
Mumbai	Location	MUMBAI	4		

DashboardCategoryProductEmployeeInwardSystem

Create

×

Code*

The Code field is required.

Type*

Type is Required

Name*

Name is Required

DisplayOrder*

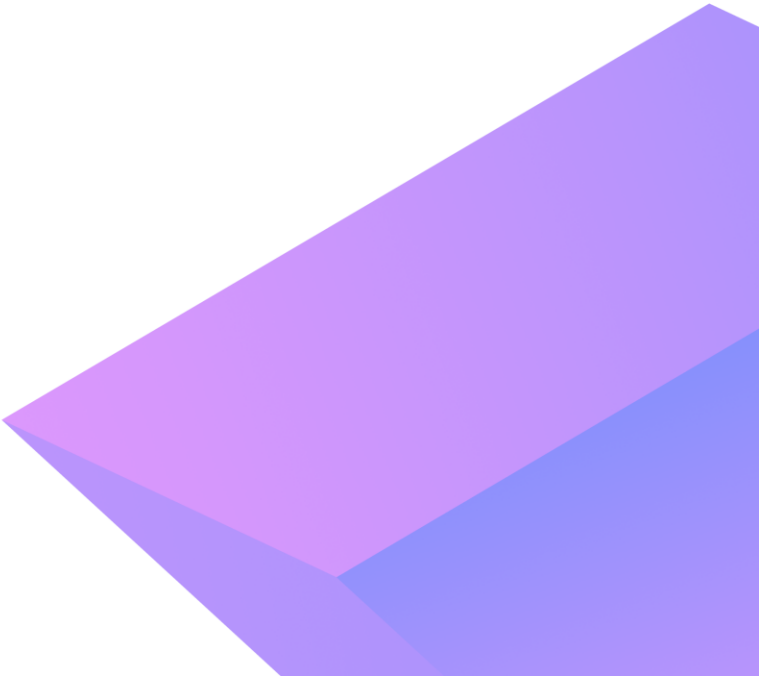
0

Is Active

Submit

Cancel

Type	Active
Location	✓
Location	✓
Material	✓
Material	✓
Location	✓
Location	✓



DashboardCategoryProductEmployeeInwardSystem

Type

Location

Location

Material

Material

Location

Location

Code

AHMEDABAD

Type

Location

Name

Ahmedabad

DisplayOrder

1

Active

Submit

Cancel

Active

✓

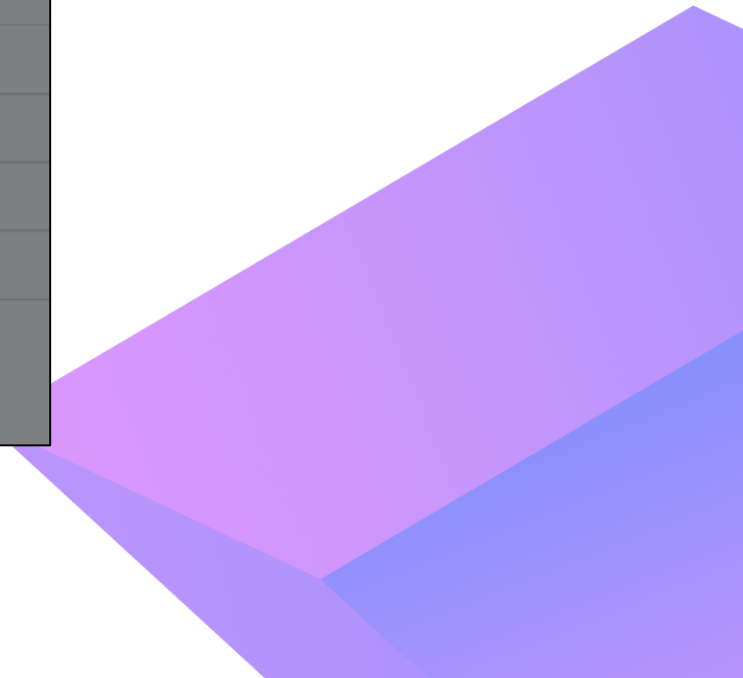
✓

✓

✓

✓

✓



Thank you!