



PES UNIVERSITY, BANGALORE
 Department of Computer Science and Engineering
 B. Tech (CSE) – 5th Semester – Aug-Dec 2023

UE21CS351A: DBMS

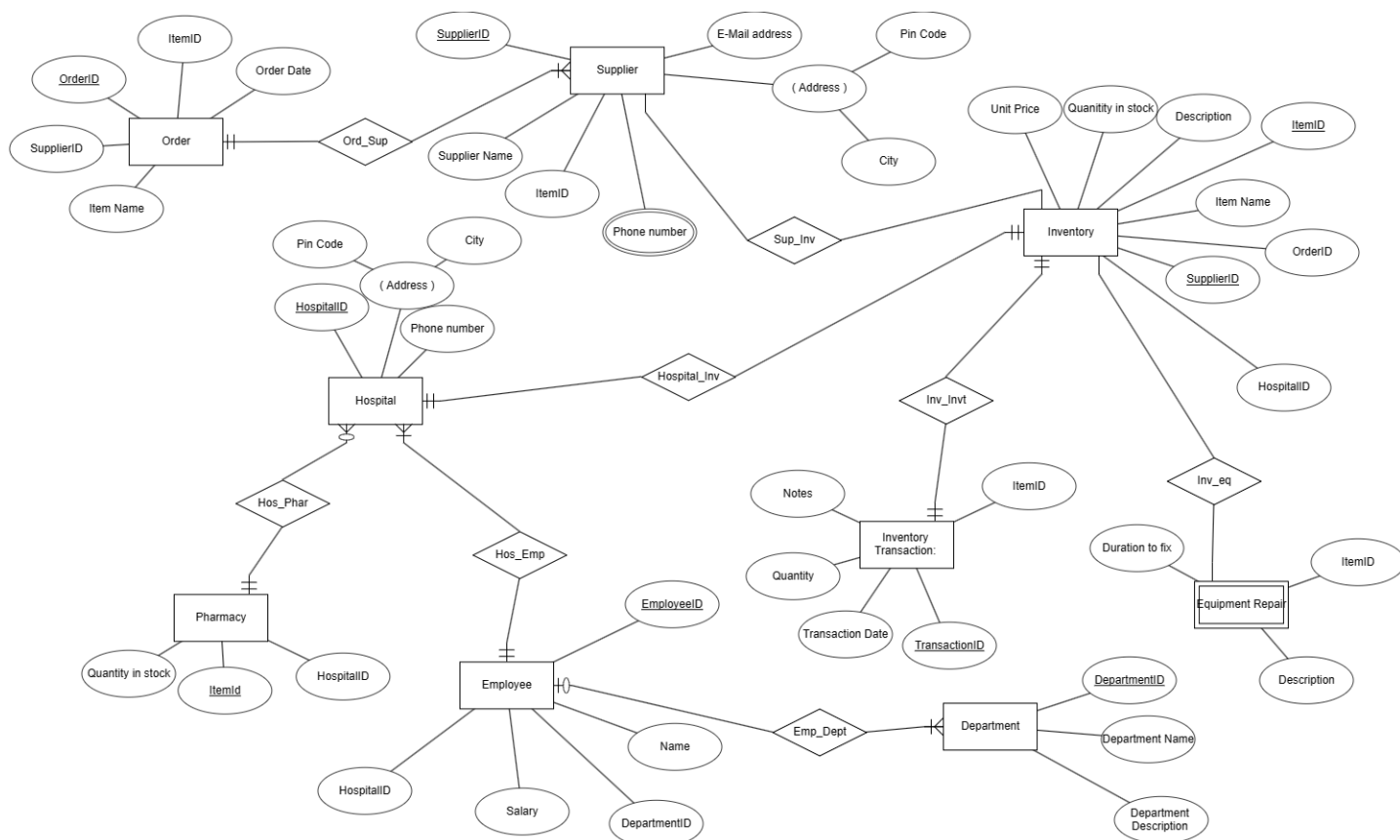
Project Report

Hospital Inventory Management System

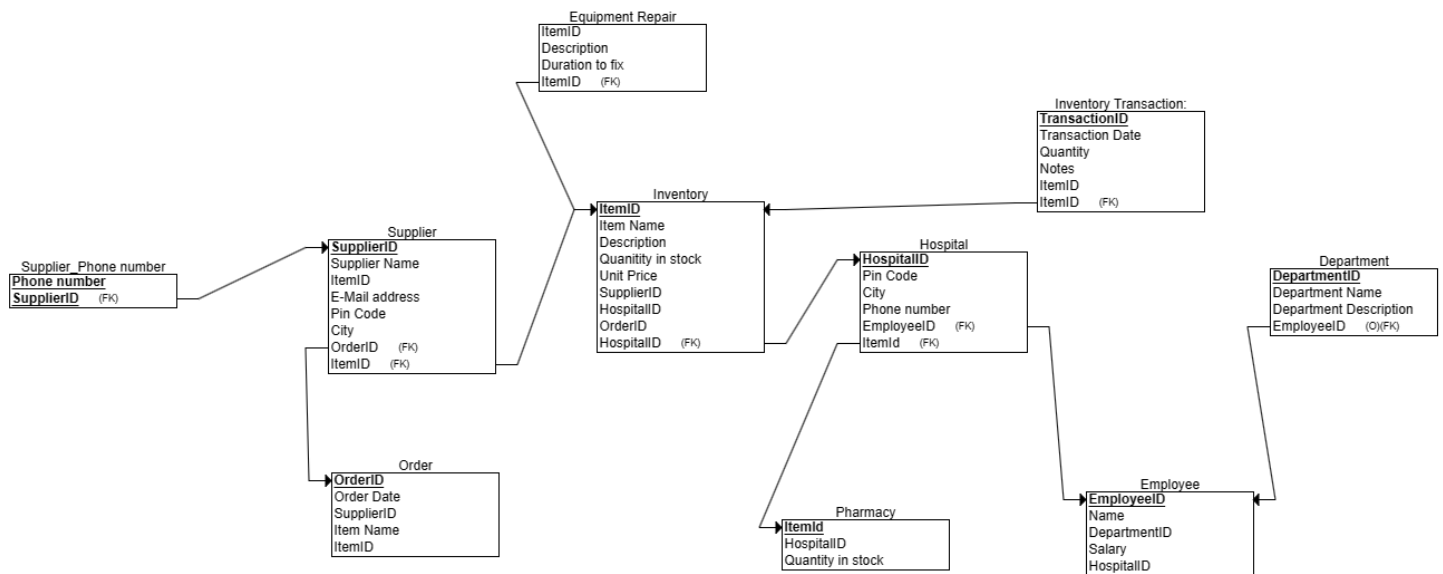
Team Member 1	PES1UG21CS903
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Entity-Relationship Diagram



Entity-Relationship Schema



Screenshots of outputs:

Webpage for delete and update operations

Sohan Hospitals

View
Inventory

View
Orders

View
Pharmacy

View
Equipment
Repair

View
Inventory
Transaction

Sign Out

Enter Table Name for Update

Enter Row ID for Update

Enter Column Name for Update

Enter Updated Value

Delete Row based on Update Fields

Update Row

localhost:3001

Different tables present in our project:

• Inventory table

HMS							
ItemID	ItemName	Description	QuantityInStock	UnitPrice	SupplierID	HospitalID	OrderID
7	Item 3	Description for Item 3	50	15.75	1	1	103
8	Item 4	Description for Item 4	80	10.99	3	1	104
9	Item 5	Description for Item 5	60	20.50	2	1	105
10	Item 9	Description for item 9	55	18.00	2	3	111
12	Item 10	Description for Item 10	30	12.00	1	2	112
13	Item 13	something	20	20.00	2	2	112
14	item 14	aef	40	10.00	2	1	1
15	item 15	wiwurbg	30	20.00	2	1	1
20	Paracetamol	Cold medicine	1000	20.00	3	2	24

Go

• Orders table

Orders			
OrderID	OrderDate	SupplierID	ItemID
8	2023-11-21T18:30:00.000Z	2	9
10	2023-11-21T18:30:00.000Z	2	9
11	2023-11-21T18:30:00.000Z	2	9
12	2023-11-21T18:30:00.000Z	2	9
13	2023-11-21T18:30:00.000Z	2	9
14	2023-11-21T18:30:00.000Z	2	9
15	2023-11-21T18:30:00.000Z	2	9
16	2023-11-21T18:30:00.000Z	2	9
17	2023-11-21T18:30:00.000Z	2	9
18	2023-11-21T18:30:00.000Z	2	9
19	2023-11-29T18:30:00.000Z	2	7

Go

PharmacyID	HospitalID	QuantityInStock	ItemID
6	2	22	8
7	3	222	9

Hospital ID

Quantity In Stock

Item ID

Add to Pharmacy

HMS			
EquipmentRepairID	Description	DurationToFix	ItemID
1	Problem in motor	2	9
2	problem	2	8
3		123	9

• Inventory Transaction table

Inventory Transactions

Transaction ID	Transaction Date	Quantity	Notes	Item ID
1	2023-11-14T18:30:00.000Z	1	good	8
2	2023-11-20T18:30:00.000Z	7	ok	9
3	2023-11-14T18:30:00.000Z	44	jj	7

CRUD Operations:

• Create (can create a new row by giving the values for the attributes)

HMS

ItemID	ItemName	Description	QuantityInStock	UnitPrice	SupplierID	HospitalID	OrderID
7	Item 3	Description for Item 3	50	15.75	1	1	103
8	Item 4	Description for Item 4	80	10.99	3	1	104
9	Item 5	Description for Item 5	60	20.50	2	1	105
10	Item 9	Description for item 9	55	18.00	2	3	111
12	Item 10	Description for Item 10	30	12.00	1	2	112
13	Item 13	something	20	20.00	2	2	112
14	item 14	aef	40	10.00	2	1	1
15	item 15	wiwurbg	30	20.00	2	1	1
20	Paracetamol	Cold medicine	1000	20.00	3	2	24

1 • select * from inventory;

Limit to 1000 rows

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: ☐

ItemID	ItemName	Description	QuantityInStock	UnitPrice	SupplierID	HospitalID	OrderID
7	Item 3	Description for Item 3	50	15.75	1	1	103
8	Item 4	Description for Item 4	80	10.99	3	1	104
9	Item 5	Description for Item 5	60	20.50	2	1	105
10	Item 9	Description for item 9	55	18.00	2	3	111
12	Item 10	Description for Item 10	30	12.00	1	2	112
13	Item 13	something	20	20.00	2	2	112
14	item 14	aef	40	10.00	2	1	1
15	item 15	wiwurbg	30	20.00	2	1	1
20	Paracetamol	Cold medicine	1000	20.00	3	2	24
21	Dolo 650	Tablet	30	2.00	1	1	1
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL

• Read (can search based on any of the different attributes)

HMS

ItemID	ItemName	Description	QuantityInStock	UnitPrice	SupplierID	HospitalID	OrderID
20	Paracetamol	Cold medicine	1000	20.00	3	2	24

Go

- **Update (update any attribute by giving the table name, row id and attribute name that needs to be updated)**

Sohan Hospitals

View Inventory

View Orders

View Pharmacy

View Equipment Repair

View Inventory Transaction

Sign Out

inventory

20

QuantityInStock

40

Delete Row based on Update Fields

Update Row

1 • select * from inventory where ItemID = 20;

Result Grid

Filter Rows:

Edit:

Export/Import:

Wrap Cell Content:

ItemID	ItemName	Description	QuantityInStock	UnitPrice	SupplierID	HospitalID	OrderID
20	Paracetamol	Cold medicine	40	20.00	3	2	24
...

- **Delete (delete an item using table name and row id)**

Sohan Hospitals

View Inventory

View Orders

View Pharmacy

View Equipment Repair

View Inventory Transaction

Sign Out

orders

19

Enter Column Name for Update

Enter Updated Value

Delete Row based on Update Fields

Update Row

1 `select * from orders;`

Limit to 1000 rows

Result Grid

	OrderID	OrderDate	SupplierID	ItemID
8	2023-11-22	2	9	
10	2023-11-22	2	9	
11	2023-11-22	2	9	
12	2023-11-22	2	9	
13	2023-11-22	2	9	
14	2023-11-22	2	9	9
15	2023-11-22	2	9	
16	2023-11-22	2	9	
17	2023-11-22	2	9	
18	2023-11-22	2	9	
ROLL	ROLL	ROLL	ROLL	

orders 3 x

Apply Revert

Result Grid
Form Editor
Field Types
Query Stats