

PES UNIVERSITY, BANGALORE
Department of Computer Science and
Engineering

B. Tech (CSE) – 5th Semester – Aug-Dec 2023

**UE21CS351A: DBMS
Project Report - Departmental store**

Team member 1

Name - Shreyas C

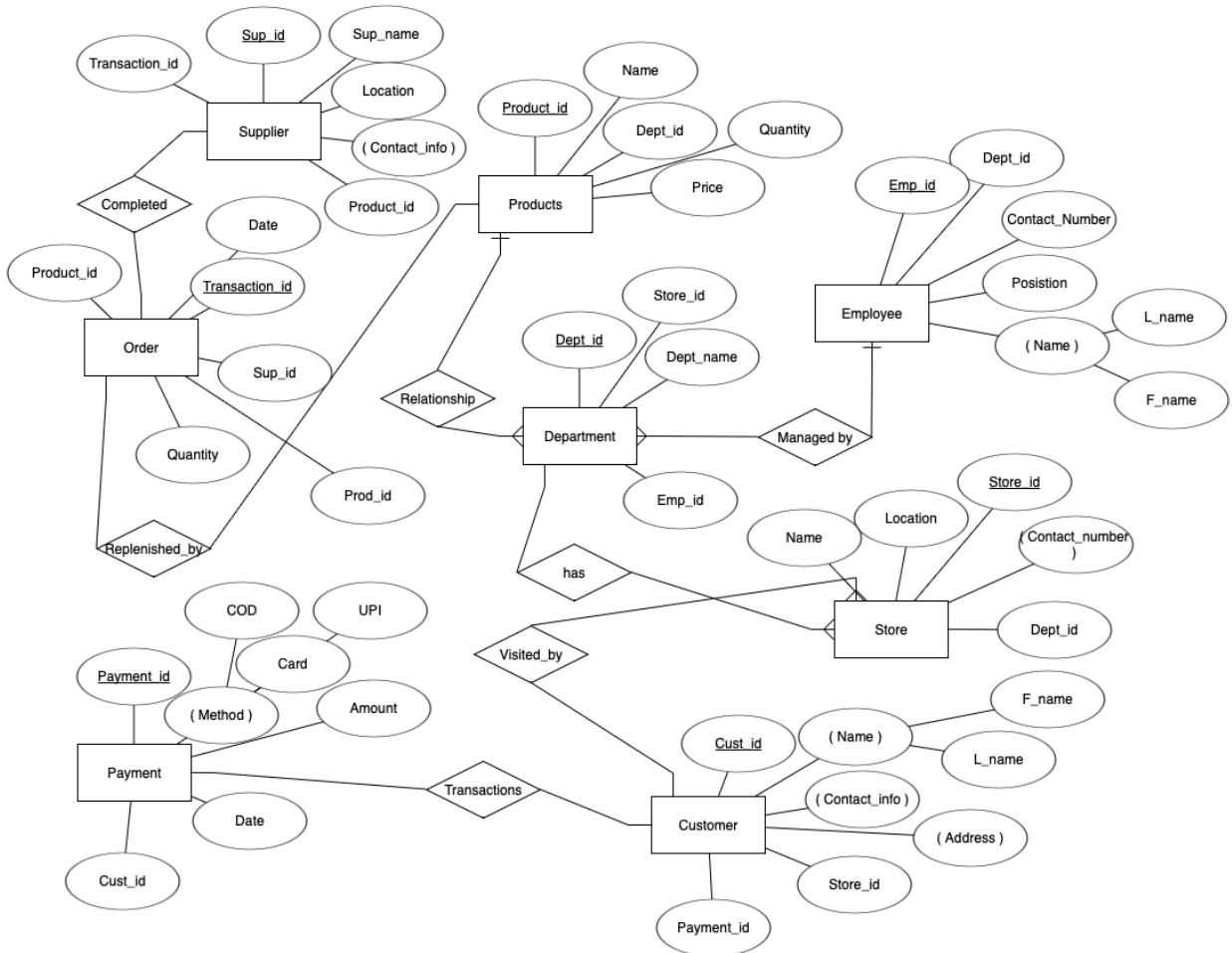
SRN - PES1UG21CS607

Team member 2

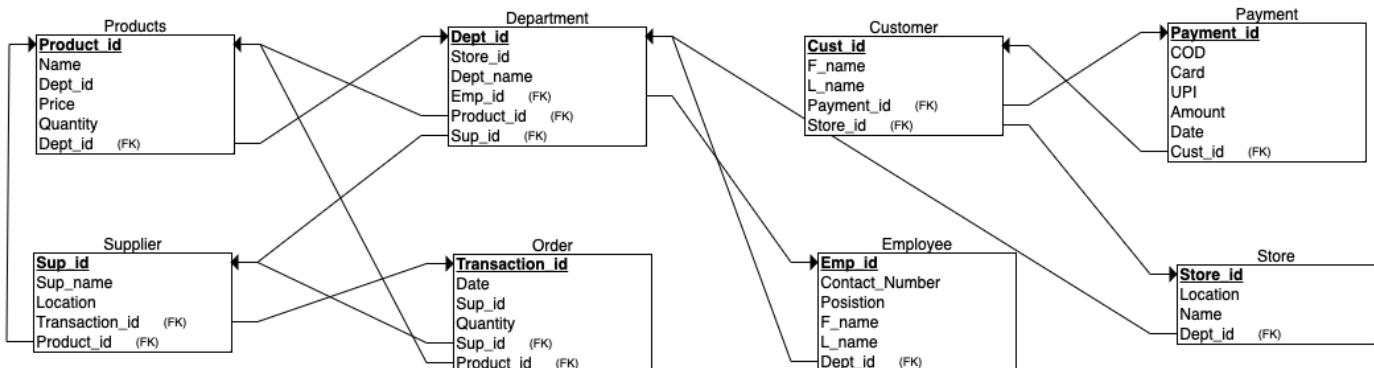
Name - Sonupatel A L

SRN - PES1UG21CS607

Entity-Relationship Diagram



Entity-Relationship Schema



Screenshot of Different tables :

localhost ERDPlus Start Page React App

Manager

Store	Department	Employee	Orders	Suppliers	Payment	Products	Customers	<u>Sign Out</u>																																										
SideMenu																																																		
Insert Delete Join Nest Sum update filter																																																		
<table border="1"> <thead> <tr> <th>store_id</th> <th>contact_store</th> <th>location</th> </tr> </thead> <tbody> <tr><td>1</td><td>1234567890</td><td>New York</td></tr> <tr><td>2</td><td>9876543210</td><td>Los Angeles</td></tr> <tr><td>3</td><td>5551234567</td><td>Chicago</td></tr> <tr><td>4</td><td>9990001111</td><td>San Francisco</td></tr> <tr><td>5</td><td>4447778888</td><td>Dallas</td></tr> <tr><td>6</td><td>6669990000</td><td>Miami</td></tr> <tr><td>7</td><td>3332221111</td><td>Seattle</td></tr> <tr><td>8</td><td>8881112222</td><td>Houston</td></tr> <tr><td>9</td><td>2224445555</td><td>Atlanta</td></tr> <tr><td>10</td><td>7776665555</td><td>Boston</td></tr> <tr><td>11</td><td>152563747</td><td>Ring road</td></tr> <tr><td>12</td><td>2345567819</td><td>Bengaluru</td></tr> <tr><td>13</td><td>857362134</td><td>Banashankari</td></tr> </tbody> </table>								store_id	contact_store	location	1	1234567890	New York	2	9876543210	Los Angeles	3	5551234567	Chicago	4	9990001111	San Francisco	5	4447778888	Dallas	6	6669990000	Miami	7	3332221111	Seattle	8	8881112222	Houston	9	2224445555	Atlanta	10	7776665555	Boston	11	152563747	Ring road	12	2345567819	Bengaluru	13	857362134	Banashankari	
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localhost

Prime Video: Tatsuma Tadbhava ERDPlus Start Page React App

Manager

- Store
- Department
- Employee**
- Orders
- Suppliers
- Payment
- Products
- Customers
- [Sign Out](#)

store_id	contact_employee	dept_id	emp_id	position	f_name
1	1112223333	1	1	Manager	John
2	4445556666	2	2	Sales Associate	Jane
3	7778889999	3	3	Clerk	Robert
4	9990001111	4	4	Cashier	Emily
5	2223334444	5	5	Stock Clerk	Michael
6	6667778888	6	6	Librarian	Sarah
7	3334445555	7	7	Assistant Manager	David
8	8889990000	8	8	Trainer	Jessica
9	2221114444	9	9	Beautician	Megan
10	7776665555	10	10	Jeweler	Ryan

Department Name

SideMenu

- Insert
- Delete
- Join
- Nest
- Sum
- update
- filter

localhost

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Manager

- Store
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- [Sign Out](#)

transactiondate	transaction_id	sup_id	store_id	quantity
2023-11-09T18:30:00.000Z	1	1	1	10
2023-11-08T18:30:00.000Z	2	2	2	20
2023-11-07T18:30:00.000Z	3	3	3	15
2023-11-06T18:30:00.000Z	4	4	4	30
2023-11-05T18:30:00.000Z	5	5	5	25
2023-11-04T18:30:00.000Z	6	6	6	12
2023-11-03T18:30:00.000Z	7	7	7	8
2023-11-02T18:30:00.000Z	8	8	8	5
2023-11-01T18:30:00.000Z	9	9	9	18
2023-10-30T18:30:00.000Z	10	10	10	34
2023-11-10T18:30:00.000Z	11	10	10	25

Department Name

SideMenu

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Manager

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sup_id	contact_supplier	sup_name
1	1112223333	TechSupplier
2	4445556666	ClothingWholesaler
3	7778889999	GroceryDistributor
4	8889990000	ToyManufacturer
5	5554443333	ShoeSupplier
6	6667778888	BookPublisher
7	3332221111	HomeGoodsSupplier
8	9990001111	SportingGoodsSupplier
9	2223334444	BeautySupplier
10	7776665555	JewelrySupplier

Department Name

filter

SideMenu

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Manager

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- Products
- Customers
- [Sign Out](#)

payment_id	amount	paymentdate	cust_id
1	100	2023-11-10T18:30:00.000Z	1
2	50	2023-11-09T18:30:00.000Z	2
3	75	2023-11-08T18:30:00.000Z	3
4	120	2023-11-07T18:30:00.000Z	4
5	200	2023-11-06T18:30:00.000Z	5
6	30	2023-11-05T18:30:00.000Z	6
7	45	2023-11-04T18:30:00.000Z	7
8	80	2023-11-03T18:30:00.000Z	8
9	25	2023-11-02T18:30:00.000Z	9
10	60	2023-11-01T18:30:00.000Z	10

Department Name

filter

SideMenu

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Manager

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dept_id	store_id	price	quantity	product_id	name
1	1	1200	50	1	Laptop
2	2	50	200	2	Jeans
3	3	5	1000	3	Cereal
4	4	10	300	4	Action Figure
5	5	80	150	5	Sneakers
6	6	15	120	6	Novel
7	7	500	20	7	Couch
8	8	30	50	8	Basketball
9	9	8	300	9	Shampoo
10	10	100	30	10	Necklace
3	6	45	20	11	Laptop
3	5	345	45	12	Mouse
2	6	243	56	13	T-shirt
2	4	23	456	14	Car
8	6	45	80	16	Bike

Department Name

localhost

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Manager

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- [Sign Out](#)

cust_id	contact_customer	f_name
1	9998887777	Alice
2	3332221111	Bob
3	6665554444	Charlie
4	1114447777	Diana
5	5558881111	Ethan
6	2225558888	Fiona
7	7772225555	George
8	4441118888	Hannah
9	8884441111	Ian
10	5557772222	Julia

Department Name

[filter](#)

CRUD operations :

Insert

The screenshot shows a web browser window with the URL `localhost`. The page title is `ERDPlus`. A sidebar on the left contains a navigation menu with items: Delete, Join, Nest, Sum, update, and filter. The main content area displays a table with columns: `store_id`, `contact_store`, and `location`. The table has 13 rows, each containing a value for these three fields. Below the table is a form with input fields for `store_id`, `contact_store`, and `location`, followed by a blue `insert` button.

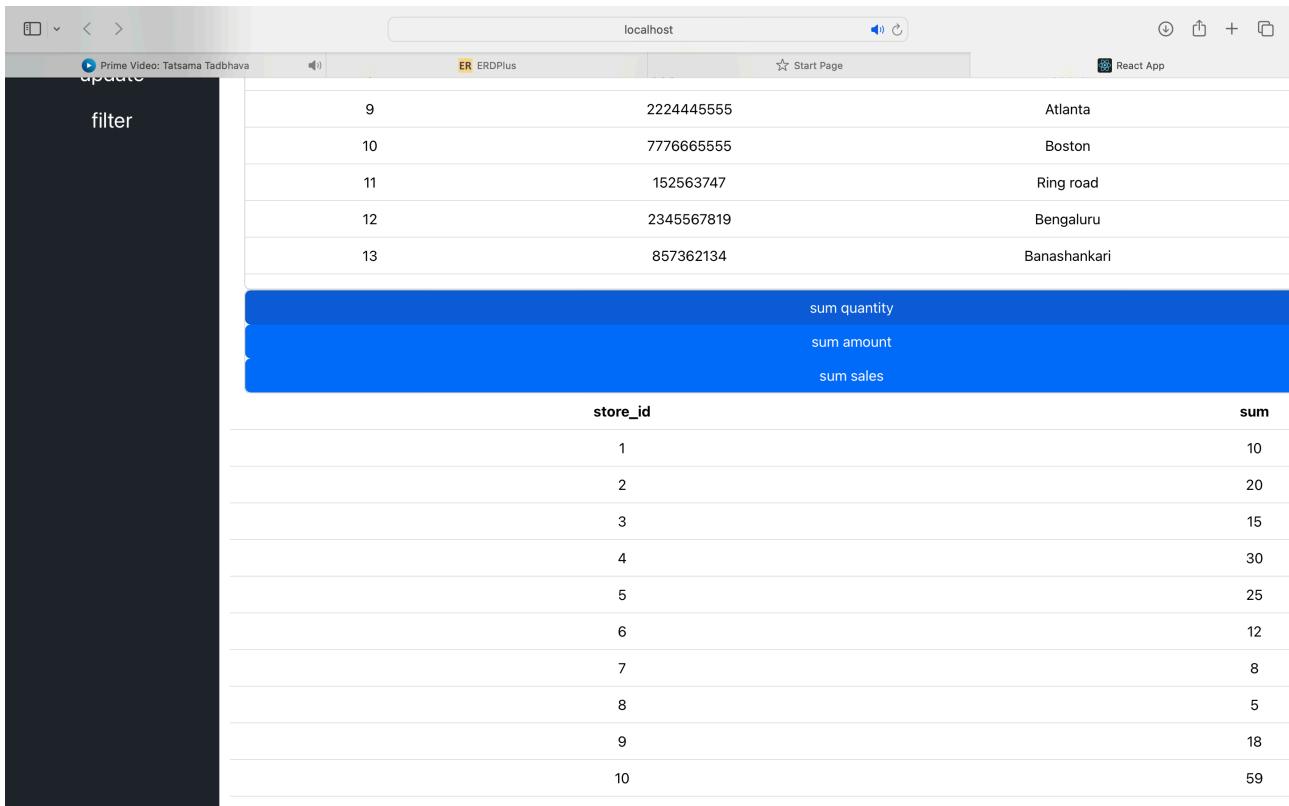
	store_id	contact_store	location
1	5551234567		Chicago
2	9990001111		San Francisco
3	4447778888		Dallas
4	6669990000		Miami
5	3332221111		Seattle
6	8881112222		Houston
7	2224445555		Atlanta
8	7776665555		Boston
9	152563747		Ring road
10	2345567819		Bengaluru
11	857362134		Banashankari
12			
13			

Delete :

The screenshot shows a web browser window with the URL `localhost`. The page title is `ERDPlus`. A sidebar on the left contains a navigation menu with items: SideMenu, Insert, Delete, Join, Nest, Sum, update, and filter. The main content area displays a table with columns: `store_id`, `contact_store`, and `location`. The table has 13 rows, each containing a value for these three fields. Below the table is a form with input fields for `store_id`, `contact_store`, and `location`, followed by a blue `delete` button.

	store_id	contact_store	location
1	1234567890		New York
2	9876543210		Los Angeles
3	5551234567		Chicago
4	9990001111		San Francisco
5	4447778888		Dallas
6	6669990000		Miami
7	3332221111		Seattle
8	8881112222		Houston
9	2224445555		Atlanta
10	7776665555		Boston
11	152563747		Ring road
12	2345567819		Bengaluru
13	857362134		Banashankari
14			
15			

Join operations :



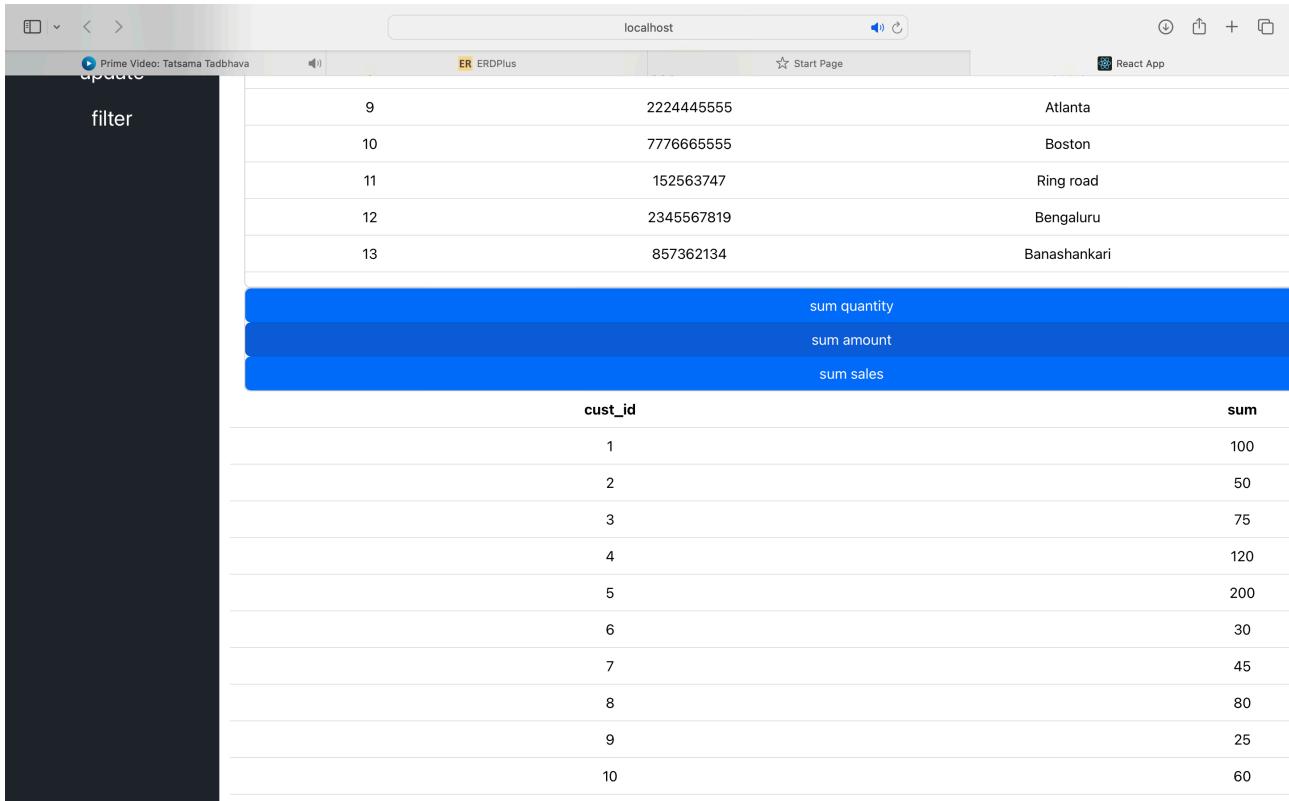
A screenshot of a web browser window titled "localhost". The page displays a table with data from a database. On the left, there is a sidebar with a "filter" button. The main content area shows two tables stacked vertically.

The top table has columns for store_id, quantity, amount, and sales. The bottom table has columns for store_id and sum. A blue rectangular box highlights the first three columns of both tables.

9	2224445555	Atlanta
10	7776665555	Boston
11	152563747	Ring road
12	2345567819	Bengaluru
13	857362134	Banashankari

	sum quantity	
	sum amount	
	sum sales	

store_id	sum
1	10
2	20
3	15
4	30
5	25
6	12
7	8
8	5
9	18
10	59



A screenshot of a web browser window titled "localhost". The page displays a table with data from a database. On the left, there is a sidebar with a "filter" button. The main content area shows two tables stacked vertically.

The top table has columns for cust_id, quantity, amount, and sales. The bottom table has columns for cust_id and sum. A blue rectangular box highlights the first three columns of both tables.

9	2224445555	Atlanta
10	7776665555	Boston
11	152563747	Ring road
12	2345567819	Bengaluru
13	857362134	Banashankari

	sum quantity	
	sum amount	
	sum sales	

cust_id	sum
1	100
2	50
3	75
4	120
5	200
6	30
7	45
8	80
9	25
10	60

localhost

ERDPlus

Start Page

React App

The screenshot shows a web browser window with the URL 'localhost'. The title bar includes 'ERDPlus' and 'React App'. The main content area displays a table with columns: store_id, contact_store, and location. Below the table is a blue navigation bar with three items: 'sum quantity', 'sum amount', and 'sum sales'. Underneath this bar is another table with columns: store_id and sum. The data for both tables is identical to the one above.

9	2224445555	Atlanta
10	7776665555	Boston
11	152563747	Ring road
12	2345567819	Bengaluru
13	857362134	Banashankari

sum quantity
sum amount
sum sales

store_id	sum
1	100000
2	75000
3	120000
4	50000
5	90000
6	60000
7	80000
8	110000
9	45000
10	75000

Filter :

localhost

ERDPlus

Start Page

React App

The screenshot shows a web browser window with the URL 'localhost'. The title bar includes 'ERDPlus' and 'React App'. The main content area displays a table with columns: store_id, contact_store, and location. Below the table is a search bar labeled 'Department Name' and a blue 'filter' button. To the left of the table is a vertical sidebar titled 'SideMenu' containing links: Insert, Delete, Join, Nest, Sum, update, and filter, where 'filter' is highlighted with a blue background.

store_id	contact_store	location
1	1234567890	New York
2	9876543210	Los Angeles
3	5551234567	Chicago
4	9990001111	San Francisco
5	4447778888	Dallas
6	6669990000	Miami
7	3332221111	Seattle
8	8881112222	Houston
9	2224445555	Atlanta
10	7776665555	Boston
11	152563747	Ring road
12	2345567819	Bengaluru
13	857362134	Banashankari

Department Name
<input type="text"/>
<button>filter</button>

