

Database Project Document Submission Outline

Factory Management System

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Abstract

It is for a Factory, used as an advanced type of central management system. Mainly to upgrade from the paper-based environment to digital environment.

Chapter 1

Problem Statement

The purpose of this project is to help the administering personal and other personal that are working in the factory by providing them a software, a digital way of doing their task and replace the currently used paper-based system with this digital system.

Introduction (Overview)

The software THE MANAGER™ version 1.0 is to be developed for a Factory. The Factory is a small Industry where specific products are made and then sold to whole sale dealers. THE MANAGER™ would provide the whole sale dealers an automated ordering environment, while to the factory administrator's it would provide ease in managing and overlooking the production of the product, and to the staff it would provide an overview of the services they have provided. Through THE MANAGER™ factory administrators, staff and whole sale dealers interact with a user-friendly interface that enables them to overlook their part in the production and selling of the product.

Scope

This Software would run inside the factory, providing its services to the Administration, Finance, Sales, Supplies, HR, Production, Inventory Department, so that the personnel of these mentioned departments can easily manage the production and supply of the products of the factory. Limitations are that many of the processes in this software can be automated, which at the time are not, like giving order of raw material when raw material reaches a certain low limit and many more such task like this.

Users

- Administration
 - can register user
 - can login
 - can logout
 - can add employee
 - can remove employee
 - can check product inventory
 - can check raw material inventory
 - can place product order
 - can verify payment

- can request product order
 - can place raw material order
 - can check product production
 - can check product production progress
 - can check product order progress
- Finance Department
 - can login
 - can logout
 - can add raw material order payment
 - can verify payment
- HR Department
 - can register user
 - can login
 - can logout
 - can add employee
 - can remove employee
- Sales Department
 - can login
 - can logout
 - can check product inventory
 - can place product order
 - can check product order progress
 - can check product production
- Supplies Department
 - can login
 - can logout
 - can check raw material inventory
 - can place raw material order
- Production Department
 - can login
 - can logout
 - can check product inventory
 - can check raw material inventory
 - can check product production
 - can check product production progress
 - can check product order progress
- Inventory Department
 - can login
 - can logout
 - can check product inventory
 - can check raw material inventory

- can check product production
- Seller
 - can login
 - can logout
 - can check product order progress
 - can add product payment
 - can request product order
 - can check product order progress
- Employees
 - can login
 - can logout

Functional Requirement

1. Making Order

Description;

The customer will be provided with a screen to make order of the product.

2. Tracking Order

Description;

The Administrator, Customer and Finance personal can check on the percentage of the production of the product that is completed for order.

3. Canceling Order

Description;

The Customer can request for the canceling of an order. The administrator can cancel the order.

4. Checking Books

Description;

The Administrator and Finance personal can check all the books.

5. Updating Books

Description;

The Finance personal can update the books.

6. Making New Employments

Description;

The HR personnel can make new employment on behalf of the administrator.

7. Checking Profile

Description;

The employees can check the different details of their work in their profile and can request for changes.

Non-Functional Requirement

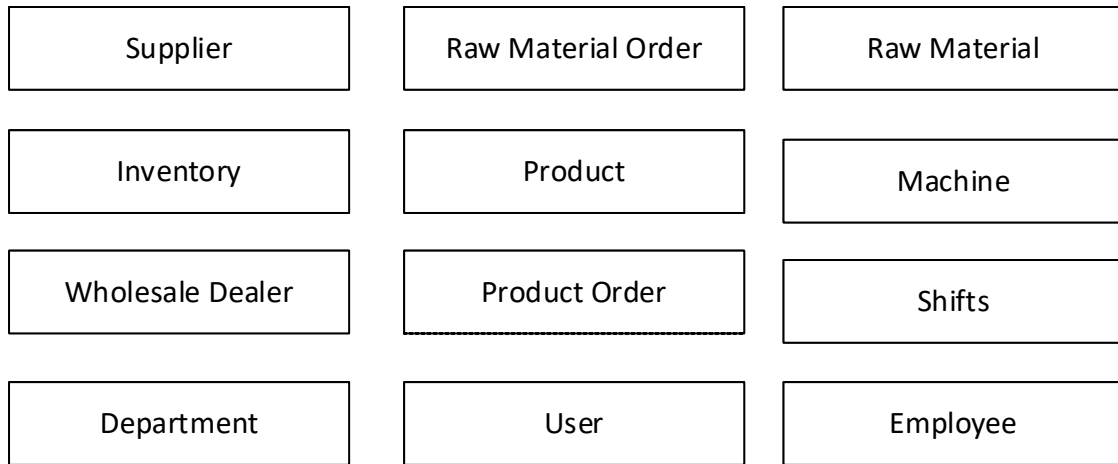
- i. **Easy to use:** Users are able to use the system with a very user friendly and simple interface
- ii. **Reliable:** User data is stored on a server and also in the device that is secured and saved from data loss.
- iii. **Robust to failure:** The system can run on different platforms without crashing
- iv. **Better Responsiveness:** Users should not have to wait for server connection as it will be seamless.

Software / tools / Programming Languages used

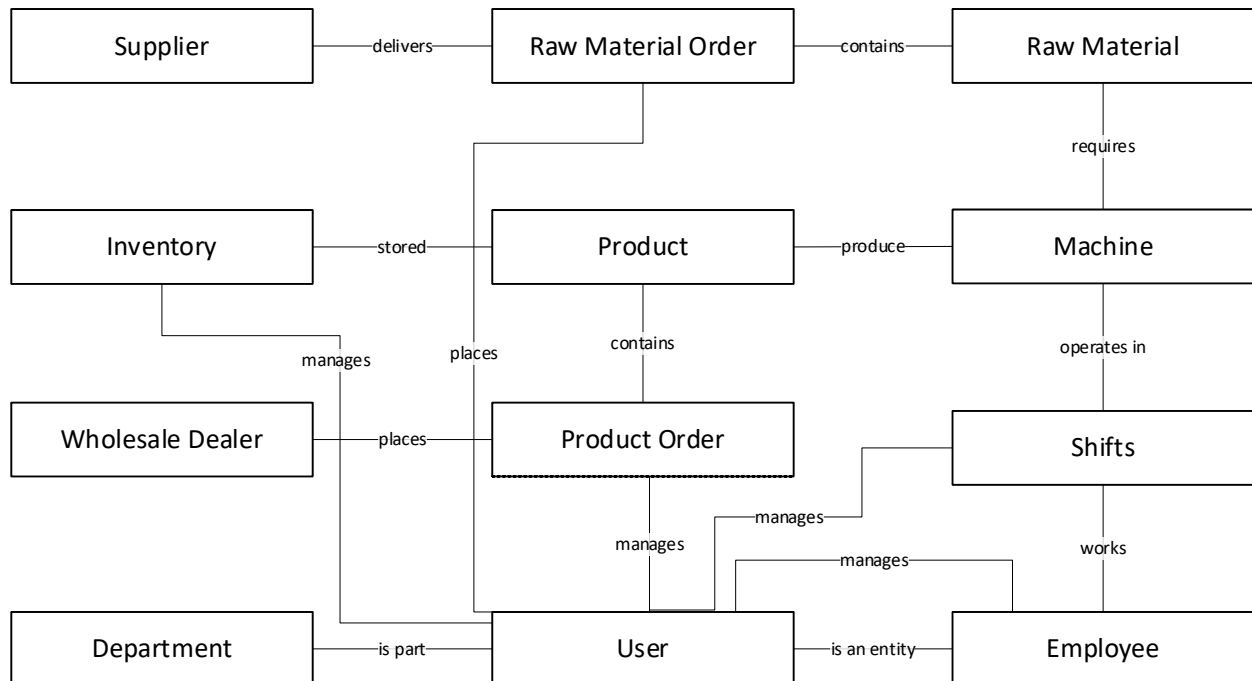
- 1. Front-End
 - a. HTML
 - b. CSS
 - c. Bootstrap
 - d. Vue JS
- 2. Back-End
 - a. Laravel
- 3. Database
 - a. MYSQL

Chapter 2 Database Design Process

Conceptual Design

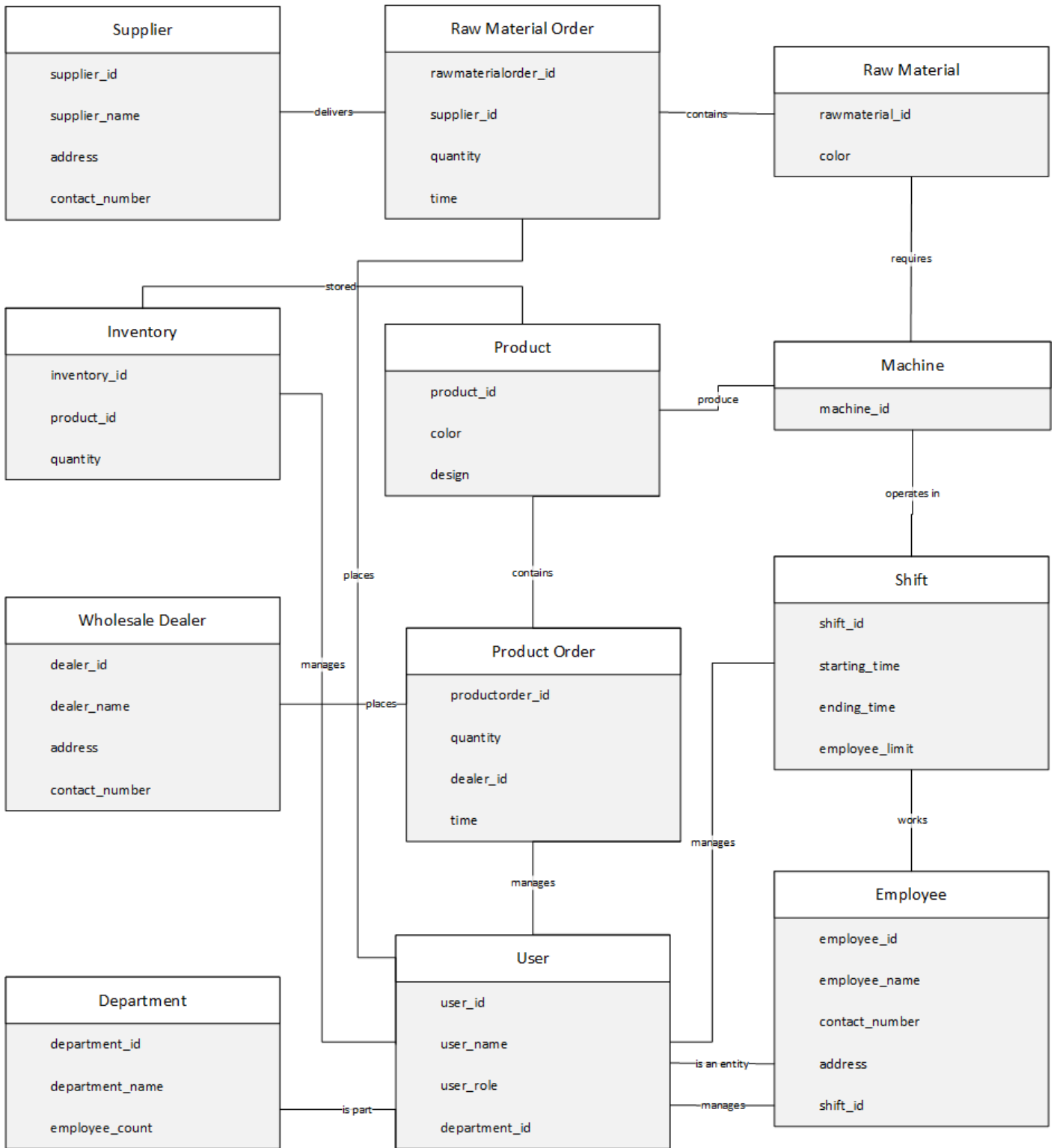


Conceptual Design 1

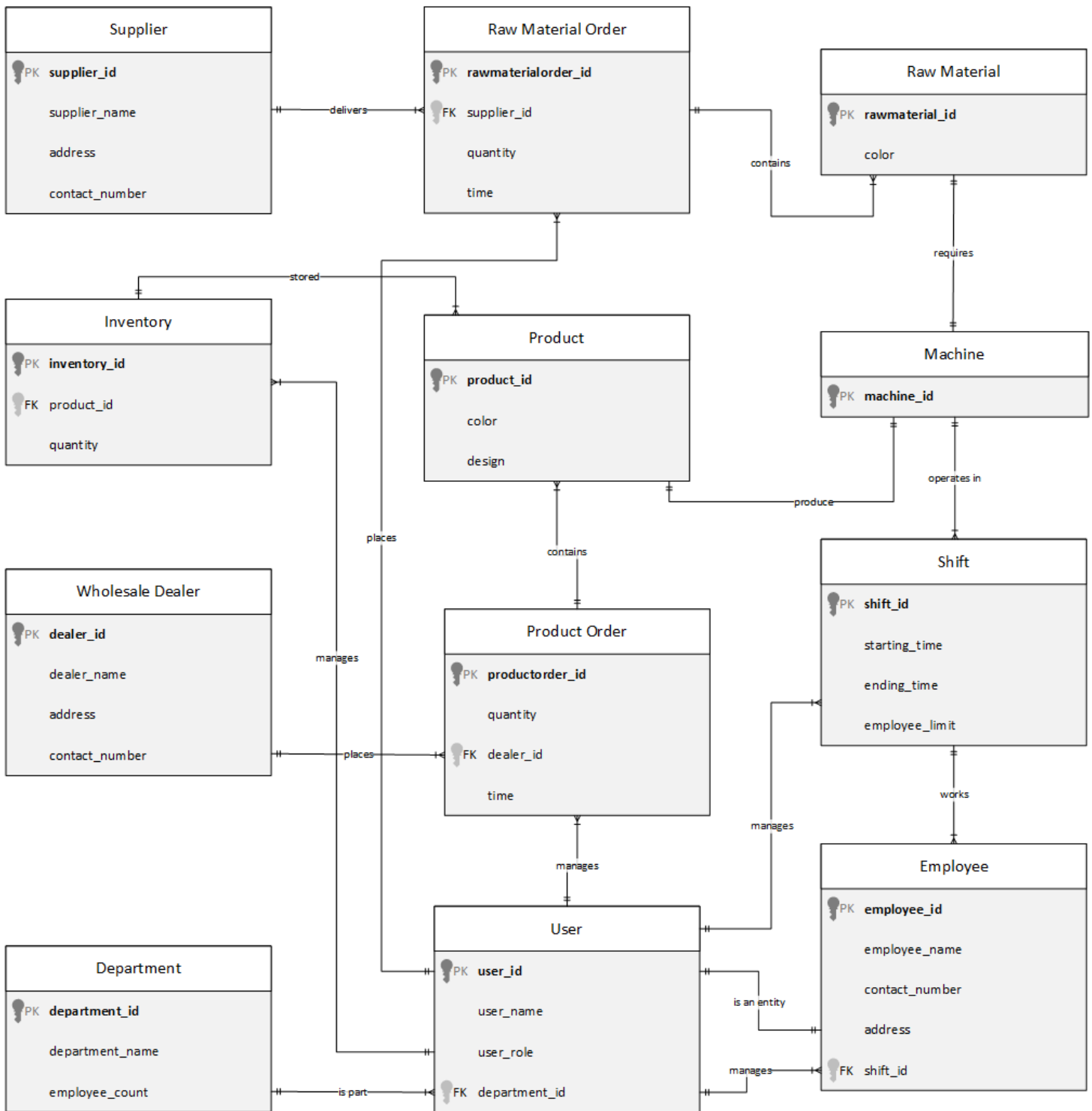


Conceptual Design 2

Logical Design

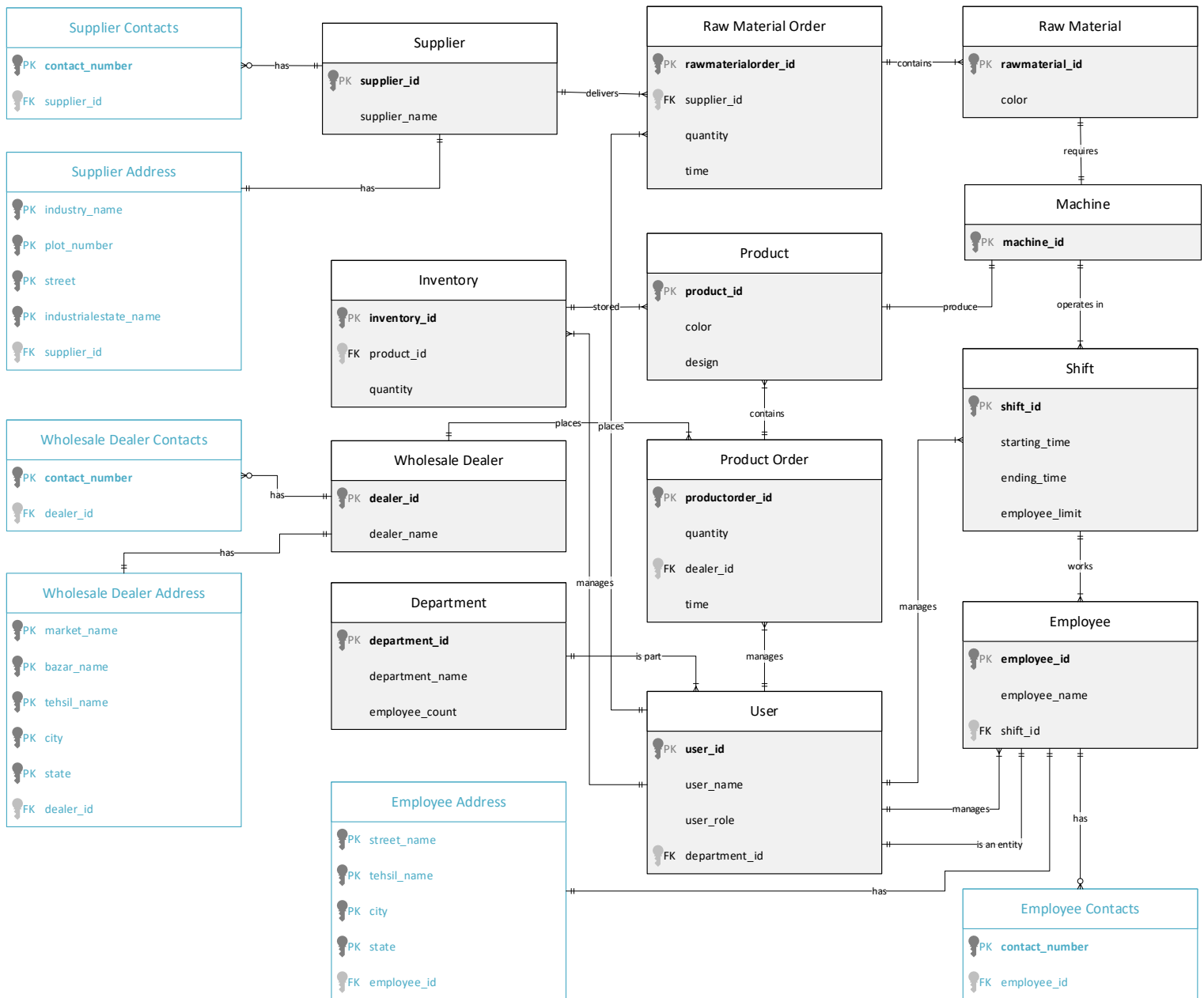


Logical Design 1



Logical Design 2

1NF (First Normal Form)



2NF (Second Normal Form)

No change

3NF (Third Normal Form)

No change

Chapter 3 Database Implementation

Database Creation Queries

Database Name: **AKPdatabase**

Query: **CREATE DATABASE AKPdatabase;**

Tables along with Queries:

- Department
 - CREATE TABLE `akpdatabase`.`department` (`department_id` INT NOT NULL AUTO_INCREMENT , `department_name` VARCHAR(50) NOT NULL , `employee_count` INT NOT NULL , PRIMARY KEY (`department_id`), UNIQUE (`department_name`)) ENGINE = InnoDB;
- Employee
 - CREATE TABLE `akpdatabase`.`employee` (`employee_id` INT NOT NULL AUTO_INCREMENT , `employee_name` VARCHAR(50) NOT NULL , `shift_id` INT NOT NULL , PRIMARY KEY (`employee_id`)) ENGINE = InnoDB;
 - ALTER TABLE `employee` ADD FOREIGN KEY (`shift_id`) REFERENCES `shift`(`shift_id`) ON DELETE SET NULL ON UPDATE CASCADE;
- Employee Address
 - CREATE TABLE `akpdatabase`.`employee address` (`street_name` VARCHAR(25) NOT NULL , `tehsil_name` VARCHAR(25) NOT NULL , `city` VARCHAR(25) NOT NULL , `state` VARCHAR(25) NOT NULL , `employee_id` INT NOT NULL , PRIMARY KEY (`street_name`, `tehsil_name`, `city`, `state`)) ENGINE = InnoDB;
 - ALTER TABLE `employee address` ADD FOREIGN KEY (`employee_id`) REFERENCES `employee`(`employee_id`) ON DELETE CASCADE ON UPDATE CASCADE;
- Employee Contacts
 - CREATE TABLE `akpdatabase`.`employee contacts` (`contact_number` INT NOT NULL , `employee_id` INT NOT NULL , PRIMARY KEY (`contact_number`)) ENGINE = InnoDB;

- ALTER TABLE `employee contacts` ADD FOREIGN KEY (`employee_id`) REFERENCES `employee`(`employee_id`) ON DELETE RESTRICT ON UPDATE RESTRICT;
- Inventory
 - CREATE TABLE `akpdatabase`.`inventory` (`inventory_id` INT NOT NULL AUTO_INCREMENT , `product_id` INT NOT NULL , `quantity` INT NOT NULL , PRIMARY KEY (`inventory_id`)) ENGINE = InnoDB;
 - ALTER TABLE `inventory` ADD FOREIGN KEY (`product_id`) REFERENCES `product`(`product_id`) ON DELETE RESTRICT ON UPDATE RESTRICT;
- Machine
 - CREATE TABLE `akpdatabase`.`machine` (`machine_id` INT NOT NULL AUTO_INCREMENT , PRIMARY KEY (`machine_id`)) ENGINE = InnoDB;
- Product
 - CREATE TABLE `akpdatabase`.`product` (`product_id` INT NOT NULL AUTO_INCREMENT , `color` VARCHAR(25) NOT NULL , `design` VARCHAR(25) NOT NULL , PRIMARY KEY (`product_id`), UNIQUE (`color`, `design`)) ENGINE = InnoDB;
- Product Order
 - CREATE TABLE `akpdatabase`.`product order` (`productorder_id` INT NOT NULL AUTO_INCREMENT , `quantity` INT NOT NULL , `dealer_id` INT NOT NULL , `time` DATE NOT NULL , PRIMARY KEY (`productorder_id`)) ENGINE = InnoDB;
 - ALTER TABLE `product order` ADD FOREIGN KEY (`dealer_id`) REFERENCES `wholesale dealer`(`dealer_id`) ON DELETE RESTRICT ON UPDATE RESTRICT;
- Raw Material
 - CREATE TABLE `akpdatabase`.`raw material` (`rawmaterial_id` INT NOT NULL AUTO_INCREMENT , `color` VARCHAR(25) NOT NULL , PRIMARY KEY (`rawmaterial_id`)) ENGINE = InnoDB;
- Raw Material Order
 - CREATE TABLE `akpdatabase`.`raw material order` (`rawmaterialorder_id` INT NOT NULL AUTO_INCREMENT , `supplier_id` INT NOT NULL , `quantity` INT NOT NULL , `time` DATE NOT NULL , PRIMARY KEY (`rawmaterialorder_id`)) ENGINE = InnoDB;

- ALTER TABLE `raw material order` ADD FOREIGN KEY (`supplier_id`) REFERENCES `supplier`(`supplier_id`) ON DELETE RESTRICT ON UPDATE RESTRICT;
- Shift
 - CREATE TABLE `akpdatabase`.`shift` (`shift_id` INT NOT NULL AUTO_INCREMENT , `employee_limit` INT NULL , `starting_time` DATE NOT NULL , `ending_time` DATE NOT NULL , PRIMARY KEY (`shift_id`)) ENGINE = InnoDB;
- Supplier
 - CREATE TABLE `akpdatabase`.`supplier` (`supplier_id` INT NOT NULL AUTO_INCREMENT , `supplier_name` VARCHAR(50) NOT NULL , PRIMARY KEY (`supplier_id`)) ENGINE = InnoDB;
- Supplier Address
 - CREATE TABLE `akpdatabase`.`supplier address` (`industry_name` VARCHAR(50) NOT NULL , `plot_number` VARCHAR(10) NOT NULL , `street` VARCHAR(50) NOT NULL , `industrialestate_number` VARCHAR(50) NOT NULL , `supplier_id` INT NOT NULL , PRIMARY KEY (`industry_name`, `plot_number`, `street`, `industrialestate_number`)) ENGINE = InnoDB;
 - ALTER TABLE `supplier address` ADD FOREIGN KEY (`supplier_id`) REFERENCES `supplier`(`supplier_id`) ON DELETE CASCADE ON UPDATE CASCADE;
- Supplier Contacts
 - CREATE TABLE `akpdatabase`.`supplier contacts` (`contact_number` INT NOT NULL , `supplier_id` INT NOT NULL , PRIMARY KEY (`contact_number`)) ENGINE = InnoDB;
 - ALTER TABLE `supplier contacts` ADD FOREIGN KEY (`supplier_id`) REFERENCES `supplier`(`supplier_id`) ON DELETE CASCADE ON UPDATE CASCADE;
- User
 - CREATE TABLE `akpdatabase`.`user` (`user_id` INT NOT NULL AUTO_INCREMENT , `user_role` VARCHAR(25) NOT NULL , `department_id` INT NOT NULL , `employee_id` INT NOT NULL , PRIMARY KEY (`user_id`)) ENGINE = InnoDB;
 - ALTER TABLE `user` ADD FOREIGN KEY (`department_id`) REFERENCES `department`(`department_id`) ON DELETE RESTRICT ON UPDATE RESTRICT;
- Wholesale Dealer

- CREATE TABLE `akpdatabase`.`wholesale dealer` (`dealer_id` INT NOT NULL AUTO_INCREMENT , `dealer_name` VARCHAR(50) NOT NULL , PRIMARY KEY (`dealer_id`)) ENGINE = InnoDB;
- Wholesale Dealer Address
 - CREATE TABLE `akpdatabase`.`wholesale dealer address` (`market_name` VARCHAR(50) NOT NULL , `bazar_name` VARCHAR(25) NOT NULL , `tehsil_name` VARCHAR(25) NOT NULL , `city` VARCHAR(25) NOT NULL , `state` VARCHAR(25) NOT NULL , `dealer_id` INT NOT NULL , PRIMARY KEY (`market_name`, `bazar_name`, `tehsil_name`, `city`, `state`)) ENGINE = InnoDB;
 - ALTER TABLE `wholesale dealer address` ADD FOREIGN KEY (`dealer_id`) REFERENCES `wholesale dealer`(`dealer_id`) ON DELETE RESTRICT ON UPDATE RESTRICT;
- Wholesale Contacts
 - CREATE TABLE `akpdatabase`.`wholesale dealer contacts` (`contact_number` INT NOT NULL , `dealer_id` INT NOT NULL , PRIMARY KEY (`contact_number`)) ENGINE = InnoDB;
 - ALTER TABLE `wholesale dealer contacts` ADD FOREIGN KEY (`dealer_id`) REFERENCES `wholesale dealer`(`dealer_id`) ON DELETE RESTRICT ON UPDATE RESTRICT;

Tables Implementation Screenshots
















































All Tables;

Table	Action	Rows	Type	Collation	Size	Overhead
<input type="checkbox"/> department	★ Browse Structure Search Insert Empty Drop	7	InnoDB	utf8mb4_general_ci	16.0 KiB	-
<input type="checkbox"/> employee	★ Browse Structure Search Insert Empty Drop	15	InnoDB	utf8mb4_general_ci	32.0 KiB	-
<input type="checkbox"/> employee address	★ Browse Structure Search Insert Empty Drop	15	InnoDB	utf8mb4_general_ci	32.0 KiB	-
<input type="checkbox"/> employee contacts	★ Browse Structure Search Insert Empty Drop	19	InnoDB	utf8mb4_general_ci	32.0 KiB	-
<input type="checkbox"/> inventory	★ Browse Structure Search Insert Empty Drop	18	InnoDB	utf8mb4_general_ci	32.0 KiB	-
<input type="checkbox"/> machine	★ Browse Structure Search Insert Empty Drop	1	InnoDB	utf8mb4_general_ci	16.0 KiB	-
<input type="checkbox"/> product	★ Browse Structure Search Insert Empty Drop	18	InnoDB	utf8mb4_general_ci	32.0 KiB	-
<input type="checkbox"/> product order	★ Browse Structure Search Insert Empty Drop	6	InnoDB	utf8mb4_general_ci	32.0 KiB	-
<input type="checkbox"/> raw material	★ Browse Structure Search Insert Empty Drop	6	InnoDB	utf8mb4_general_ci	16.0 KiB	-
<input type="checkbox"/> raw material order	★ Browse Structure Search Insert Empty Drop	2	InnoDB	utf8mb4_general_ci	32.0 KiB	-
<input type="checkbox"/> shift	★ Browse Structure Search Insert Empty Drop	3	InnoDB	utf8mb4_general_ci	16.0 KiB	-
<input type="checkbox"/> supplier	★ Browse Structure Search Insert Empty Drop	1	InnoDB	utf8mb4_general_ci	16.0 KiB	-
<input type="checkbox"/> supplier address	★ Browse Structure Search Insert Empty Drop	1	InnoDB	utf8mb4_general_ci	32.0 KiB	-
<input type="checkbox"/> supplier contacts	★ Browse Structure Search Insert Empty Drop	1	InnoDB	utf8mb4_general_ci	32.0 KiB	-
<input type="checkbox"/> user	★ Browse Structure Search Insert Empty Drop	7	InnoDB	utf8mb4_general_ci	48.0 KiB	-
<input type="checkbox"/> wholesale dealer	★ Browse Structure Search Insert Empty Drop	3	InnoDB	utf8mb4_general_ci	16.0 KiB	-
<input type="checkbox"/> wholesale dealer address	★ Browse Structure Search Insert Empty Drop	3	InnoDB	utf8mb4_general_ci	32.0 KiB	-
<input type="checkbox"/> wholesale dealer contacts	★ Browse Structure Search Insert Empty Drop	5	InnoDB	utf8mb4_general_ci	32.0 KiB	-
18 tables	Sum	131	InnoDB	utf8mb4_general_ci	496.0 KiB	0 B














































Department:

	department_id	department_name	employee_count
<input type="checkbox"/> Edit Copy Delete	1	Administration	1
<input type="checkbox"/> Edit Copy Delete	2	Human Resource	1
<input type="checkbox"/> Edit Copy Delete	3	Finance	1
<input type="checkbox"/> Edit Copy Delete	4	Production	1
<input type="checkbox"/> Edit Copy Delete	5	Inventory	1
<input type="checkbox"/> Edit Copy Delete	6	Supplies	1
<input type="checkbox"/> Edit Copy Delete	7	Sales	1




























































Employee:

 				employee_id	employee_name	shift_id
<input type="checkbox"/>	 Edit	 Copy	 Delete	1	Samama Khan	3
<input type="checkbox"/>	 Edit	 Copy	 Delete	2	Baqir Shah	3
<input type="checkbox"/>	 Edit	 Copy	 Delete	3	Yusha Khan	3
<input type="checkbox"/>	 Edit	 Copy	 Delete	4	Shery	3
<input type="checkbox"/>	 Edit	 Copy	 Delete	5	Rauf Lala	3
<input type="checkbox"/>	 Edit	 Copy	 Delete	6	Mustafa	3
<input type="checkbox"/>	 Edit	 Copy	 Delete	7	Hashir	3
<input type="checkbox"/>	 Edit	 Copy	 Delete	8	Kamran	1
<input type="checkbox"/>	 Edit	 Copy	 Delete	9	Salim	1
<input type="checkbox"/>	 Edit	 Copy	 Delete	10	Hamid	1
<input type="checkbox"/>	 Edit	 Copy	 Delete	11	Atif	1
<input type="checkbox"/>	 Edit	 Copy	 Delete	12	Imran	2
<input type="checkbox"/>	 Edit	 Copy	 Delete	13	Hamza	2
<input type="checkbox"/>	 Edit	 Copy	 Delete	14	Aslam	2
<input type="checkbox"/>	 Edit	 Copy	 Delete	15	Ali	2





















































Employee Address:

		addressline1	tehsil_name	city	state	employee_id
<input type="checkbox"/>	 Edit  Copy  Delete	House#123, Street#1, Sector A-1, Hayatabad		Peshawar	KPK	1
<input type="checkbox"/>	 Edit  Copy  Delete	Kuz Kuladan	Umerzai	Charsadda	KPK	2
<input type="checkbox"/>	 Edit  Copy  Delete	Bara Kuladan	Umerzai	Charsadda	KPK	3
<input type="checkbox"/>	 Edit  Copy  Delete	Kalabat	Topi	Charsadda	KPK	4
<input type="checkbox"/>	 Edit  Copy  Delete	Babrra	Charsadda	Charsadda	KPK	5
<input type="checkbox"/>	 Edit  Copy  Delete	House#2, Street#1, Sector A-1, Hayatabad	Peshawar	Peshawar	KPK	6
<input type="checkbox"/>	 Edit  Copy  Delete	House#3, Street#1, Sector A-1, Hayatabad	Peshawar	Peshawar	KPK	7
<input type="checkbox"/>	 Edit  Copy  Delete	House#4, Street#1, Sector A-1, Hayatabad	Peshawar	Peshawar	KPK	8
<input type="checkbox"/>	 Edit  Copy  Delete	House#5, Street#1, Sector A-1, Hayatabad	Peshawar	Peshawar	KPK	9
<input type="checkbox"/>	 Edit  Copy  Delete	House#6, Street#1, Sector A-1, Hayatabad	Peshawar	Peshawar	KPK	10
<input type="checkbox"/>	 Edit  Copy  Delete	House#7, Street#1, Sector A-1, Hayatabad	Peshawar	Peshawar	KPK	11
<input type="checkbox"/>	 Edit  Copy  Delete	House#8, Street#1, Sector A-1, Hayatabad	Peshawar	Peshawar	KPK	12
<input type="checkbox"/>	 Edit  Copy  Delete	House#9, Street#1, Sector A-1, Hayatabad	Peshawar	Peshawar	KPK	13
<input type="checkbox"/>	 Edit  Copy  Delete	House#10, Street#1, Sector A-1, Hayatabad	Peshawar	Peshawar	KPK	14
<input type="checkbox"/>	 Edit  Copy  Delete	House#11, Street#1, Sector A-1, Hayatabad	Peshawar	Peshawar	KPK	15

Employee Contacts:

 				contact_number	employee_id
<input type="checkbox"/>	 Edit	 Copy	 Delete	923359052299	1
<input type="checkbox"/>	 Edit	 Copy	 Delete	923449352299	1
<input type="checkbox"/>	 Edit	 Copy	 Delete	923116684684	2
<input type="checkbox"/>	 Edit	 Copy	 Delete	923133382883	2
<input type="checkbox"/>	 Edit	 Copy	 Delete	923463756326	2
<input type="checkbox"/>	 Edit	 Copy	 Delete	923159529356	3
<input type="checkbox"/>	 Edit	 Copy	 Delete	923425667872	3
<input type="checkbox"/>	 Edit	 Copy	 Delete	923144992744	4
<input type="checkbox"/>	 Edit	 Copy	 Delete	923456789010	5
<input type="checkbox"/>	 Edit	 Copy	 Delete	923123456789	6
<input type="checkbox"/>	 Edit	 Copy	 Delete	923139199433	7
<input type="checkbox"/>	 Edit	 Copy	 Delete	923098765432	8
<input type="checkbox"/>	 Edit	 Copy	 Delete	923987654321	9
<input type="checkbox"/>	 Edit	 Copy	 Delete	923234567890	10
<input type="checkbox"/>	 Edit	 Copy	 Delete	923876543211	11
<input type="checkbox"/>	 Edit	 Copy	 Delete	923456123456	12
<input type="checkbox"/>	 Edit	 Copy	 Delete	923123678911	13
<input type="checkbox"/>	 Edit	 Copy	 Delete	923123123123	14
<input type="checkbox"/>	 Edit	 Copy	 Delete	923987987987	15
























































Inventory:

<div> <div>← T →</div> <div>▼</div> </div>				inventory_id	product_id	quantity
<input type="checkbox"/>	 Edit	 Copy	 Delete	1	1	100
<input type="checkbox"/>	 Edit	 Copy	 Delete	2	2	50
<input type="checkbox"/>	 Edit	 Copy	 Delete	3	3	0
<input type="checkbox"/>	 Edit	 Copy	 Delete	4	4	500
<input type="checkbox"/>	 Edit	 Copy	 Delete	5	5	25
<input type="checkbox"/>	 Edit	 Copy	 Delete	6	6	75
<input type="checkbox"/>	 Edit	 Copy	 Delete	7	7	200
<input type="checkbox"/>	 Edit	 Copy	 Delete	8	8	300
<input type="checkbox"/>	 Edit	 Copy	 Delete	9	9	0
<input type="checkbox"/>	 Edit	 Copy	 Delete	10	10	400
<input type="checkbox"/>	 Edit	 Copy	 Delete	11	11	150
<input type="checkbox"/>	 Edit	 Copy	 Delete	12	12	250
<input type="checkbox"/>	 Edit	 Copy	 Delete	13	13	100
<input type="checkbox"/>	 Edit	 Copy	 Delete	14	14	350
<input type="checkbox"/>	 Edit	 Copy	 Delete	15	15	200
<input type="checkbox"/>	 Edit	 Copy	 Delete	16	16	50
<input type="checkbox"/>	 Edit	 Copy	 Delete	17	17	50
<input type="checkbox"/>	 Edit	 Copy	 Delete	18	18	50



















Machine:

	machine_id
<input type="checkbox"/>  Edit  Copy  Delete	1



















Product:

		product_id		color	design
<input type="checkbox"/>  Edit  Copy  Delete		1		Blue	Square
<input type="checkbox"/>  Edit  Copy  Delete		2		Blue	Open Rectangle
<input type="checkbox"/>  Edit  Copy  Delete		3		Blue	Closed Rectangle
<input type="checkbox"/>  Edit  Copy  Delete		4		Red	Square
<input type="checkbox"/>  Edit  Copy  Delete		5		Red	Open Rectangle
<input type="checkbox"/>  Edit  Copy  Delete		6		Red	Closed Rectangle
<input type="checkbox"/>  Edit  Copy  Delete		7		Green	Square
<input type="checkbox"/>  Edit  Copy  Delete		8		Green	Open Rectangle
<input type="checkbox"/>  Edit  Copy  Delete		9		Green	Closed Rectangle
<input type="checkbox"/>  Edit  Copy  Delete		10		Grey	Square
<input type="checkbox"/>  Edit  Copy  Delete		11		Grey	Open Rectangle
<input type="checkbox"/>  Edit  Copy  Delete		12		Grey	Closed Rectangle
<input type="checkbox"/>  Edit  Copy  Delete		13		White	Square
<input type="checkbox"/>  Edit  Copy  Delete		14		White	Open Rectangle
<input type="checkbox"/>  Edit  Copy  Delete		15		White	Closed Rectangle
<input type="checkbox"/>  Edit  Copy  Delete		16		Black	Square
<input type="checkbox"/>  Edit  Copy  Delete		17		Black	Open Rectangle
<input type="checkbox"/>  Edit  Copy  Delete		18		Black	Closed Rectangle







Product Order:

<div><div>↔T↔</div><div>▼</div></div>						productorder_id	quantity	dealer_id	time	
<input type="checkbox"/>		Edit		Copy		Delete	1	1000	1	2020-08-03 10:30:00
<input type="checkbox"/>		Edit		Copy		Delete	2	500	3	2020-08-06 12:00:00
<input type="checkbox"/>		Edit		Copy		Delete	3	500	3	2020-08-13 09:30:00
<input type="checkbox"/>		Edit		Copy		Delete	4	2000	2	2020-08-13 11:00:00
<input type="checkbox"/>		Edit		Copy		Delete	5	2000	1	2020-08-17 10:00:00
<input type="checkbox"/>		Edit		Copy		Delete	6	500	2	2020-08-17 15:00:00




Raw Material:

<div><div>↔T↔</div><div>▼</div></div>				rawmaterial_id	color
<input type="checkbox"/>		Edit	 Copy  Delete	1	Blue
<input type="checkbox"/>		Edit	 Copy  Delete	2	Red
<input type="checkbox"/>		Edit	 Copy  Delete	3	Green
<input type="checkbox"/>		Edit	 Copy  Delete	4	Grey
<input type="checkbox"/>		Edit	 Copy  Delete	5	White
<input type="checkbox"/>		Edit	 Copy  Delete	6	Black

Raw Material Order:

<div><div>←T→</div><div>▼</div></div>				rawmaterialorder_id	supplier_id	quantity	time
<div><div><input type="checkbox"/></div><div><div></div>Edit</div><div><div></div>Copy</div><div><div></div>Delete</div></div>	1	1	10	2020-08-03 10:00:00			
<div><div><input type="checkbox"/></div><div><div></div>Edit</div><div><div></div>Copy</div><div><div></div>Delete</div></div>	2	1	2	2020-08-13 15:00:00			

Shift:

				shift_id	employee_limit	starting_time	ending_time			
<input type="checkbox"/>		Edit		Copy		Delete	1	NULL	06:00:00	14:00:00
<input type="checkbox"/>		Edit		Copy		Delete	2	NULL	14:00:00	22:00:00
<input type="checkbox"/>		Edit		Copy		Delete	3	NULL	09:00:00	17:00:00

Supplier:

<div><div><div>↔T↔</div><div>▼</div></div></div>				supplier_id	supplier_name
<div><div><div><div><div></div></div></div><div><div>✎</div><div>Edit</div></div><div><div>📋</div><div>Copy</div></div><div><div>🗑</div><div>Delete</div></div></div></div>	1	Murad Khan			

Supplier Address:

		industry_name	plot_number	street	industrialestate_number	supplier_id
<input type="checkbox"/>	 Edit  Copy  Delete	Al-Khaleej Plastic	3B	Khyber Match Street	Hayatabad	1










Supplier Contacts:

				contact_number	supplier_id	
<input type="checkbox"/>		Edit	 Copy	 Delete	923345123901	1

User:

<div><div><div>←</div><div>T</div><div>→</div></div></div>				user_id	user_role	department_id	employee_id	
<input type="checkbox"/>		Edit	 Copy	 Delete	1	Administrator	1	1
<input type="checkbox"/>		Edit	 Copy	 Delete	2	Head	2	2
<input type="checkbox"/>		Edit	 Copy	 Delete	3	Head	3	3
<input type="checkbox"/>		Edit	 Copy	 Delete	4	Head	4	4
<input type="checkbox"/>		Edit	 Copy	 Delete	5	Head	5	5
<input type="checkbox"/>		Edit	 Copy	 Delete	6	Head	6	6
<input type="checkbox"/>		Edit	 Copy	 Delete	7	Head	7	7
















Wholesale Dealer:

				dealer_id	dealer_name
<input type="checkbox"/>		Edit	 Copy	 Delete	1 Ali Khan
<input type="checkbox"/>		Edit	 Copy	 Delete	2 Aslam Khan
<input type="checkbox"/>		Edit	 Copy	 Delete	3 Akram Khan

Wholesale Dealer Address:

<div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div>market_name</div><div>bazar_name</div><div>tehsil_name</div><div>city</div><div>state</div><div>dealer_id</div></div>				
<div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div> <div>Old Market</div> <div>Qissa Khwani Bazar</div> <div>Peshawar</div> <div>Peshawar</div> <div>KPK</div> <div>1</div>				
<div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div> <div>Charsadda Market</div> <div>Charsadda Bazar</div> <div>Charsadda</div> <div>Charsadda</div> <div>KPK</div> <div>2</div>				
<div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div> <div>New Market</div> <div>Kalabat Bazar</div> <div>Topi</div> <div>Sawabi</div> <div>KPK</div> <div>3</div>				

Wholesale Dealer Contacts:

				contact_number	dealer_id
<input type="checkbox"/>		Edit	 Copy	 Delete	923101231231 1
<input type="checkbox"/>		Edit	 Copy	 Delete	9230012345678 1
<input type="checkbox"/>		Edit	 Copy	 Delete	9234412345678 2
<input type="checkbox"/>		Edit	 Copy	 Delete	9232112345678 3
<input type="checkbox"/>		Edit	 Copy	 Delete	9235012345678 3