



HYDERABAD

School of Technology Management and Engineering

A Project Report On

Boutique Database Management System

Submitted By

Ananya P – 70572200052

Charala Pujitha– 70572200017

Malde Saicharan – 70572200033

Submitted To

Prof. Wasiha Tasneem

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ACKNOWLEDGEMENT

We are grateful to Prof. Wasiha Tasneem, whose guidance, inspiration and constructive suggestions throughout the project has resulted in a successful completion of this project. Without their willing disposition, cooperation this project could not have been completed in due time.

Date:.....

.....

Cse - 4th semester

Roll No: L033

Roll No: L053

Roll No: L028

CERTIFICATE OF ACCEPTANCE

The report of the Project titled “Boutique Database Management System” submitted by Ananya(L053), Saicharan(L037), Pujitha(L028) of CSE 4th Semester of 2024) is hereby recommended to be accepted for fulfilment of the semester 4.

Signature with date

Boutique Database Management System

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Problem Statement

In the boutique industry, managing customer information, processing orders, tracking payments, and recording measurements are vital aspects of daily operations. However, traditional methods of record-keeping, such as manual files or basic digital spreadsheets, often lead to inefficiencies, errors, and difficulties in scaling as the business grows.

The boutique faces challenges in efficiently organizing and accessing customer data, tracking orders throughout the production process, managing payments and outstanding dues, and maintaining accurate measurement records for each client. Without a structured and automated system in place, these tasks can become time-consuming, prone to errors, and hinder the overall efficiency of the business.

To address these challenges, there is a need for a comprehensive database solution tailored to the boutique's requirements. This solution will provide a centralized platform for storing and managing customer details, automating order processing, tracking payments, and recording measurements accurately. By implementing such a system, the boutique can optimize its operations, improve customer service, and make data-driven decisions to drive business growth.

Abstract

This project aims to develop a specialized database system tailored for boutique businesses, focusing on customer details, order processing, payments, and measurements. By centralizing and automating key operations, the database enhances efficiency, customer service, and decision-making. Through advanced analytics, it provides insights for strategic initiatives, while user-friendly features facilitate personalized interactions and streamline workflows. Ultimately, the database empowers boutique owners to optimize operations and elevate their businesses in a competitive market.

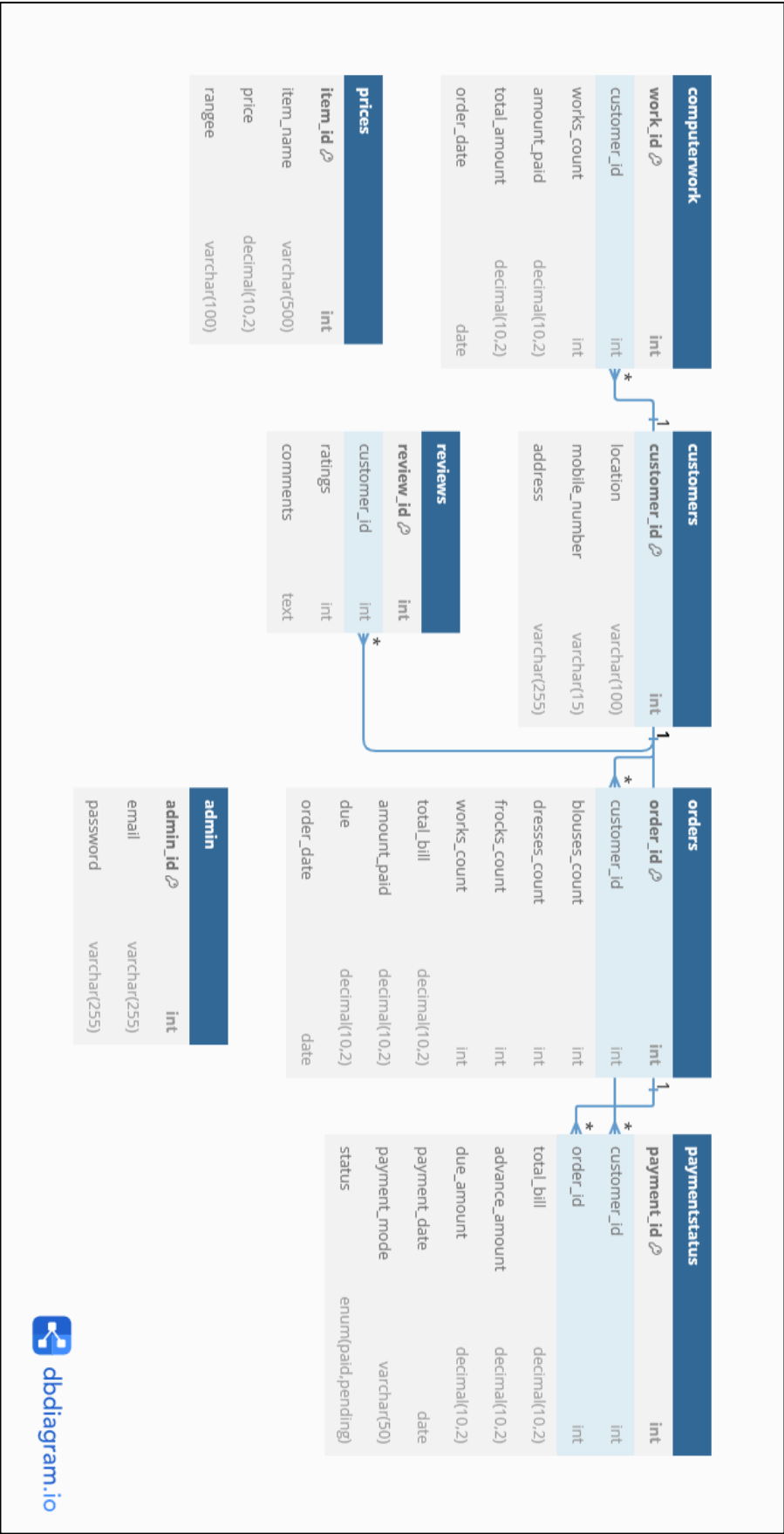
Entity Sets

1. **Computerwork:** Represents individual tasks or work items performed for customers, including details such as work count, amount paid, and order date.
2. **Customers:** Represents unique customers of the boutique, storing their personal information such as name, location, mobile number, and address.
3. **Orders:** Represents individual orders placed by customers, containing information about the items ordered (e.g., blouses, dresses, frocks), total bill, payment status, and order date.
4. **Paymentstatus:** Represents the payment status of orders made by customers, including details such as total bill, advance amount, due amount, payment date, payment mode, and status (paid or pending).
5. **Prices:** Stores the prices of different items offered by the boutique, including item name, price, and range.
6. **Reviews:** Records customer reviews and ratings, along with any comments they provide about their experience with the boutique.
7. **Admin:** Represents administrative users who have access to the system, storing their ID, email, and password for authentication purposes.

Relationship Sets

1. **Computerwork - Customers:** Each computer work task is associated with a specific customer, allowing the boutique to track the work performed for individual customers.
2. **Orders - Customers:** Each order is placed by a specific customer, establishing a one-to-many relationship between customers and their orders.
3. **Paymentstatus - Customers:** Each payment status entry is linked to a particular customer, enabling the boutique to manage payment details for each customer's orders.
4. **Paymentstatus - Orders:** Each payment status entry corresponds to a specific order, facilitating the tracking of payment information for individual orders.
5. **Reviews - Customers:** Each review is provided by a specific customer, allowing the boutique to associate reviews with the customers who provided them.

Entity Relationship Diagram



Relational Model

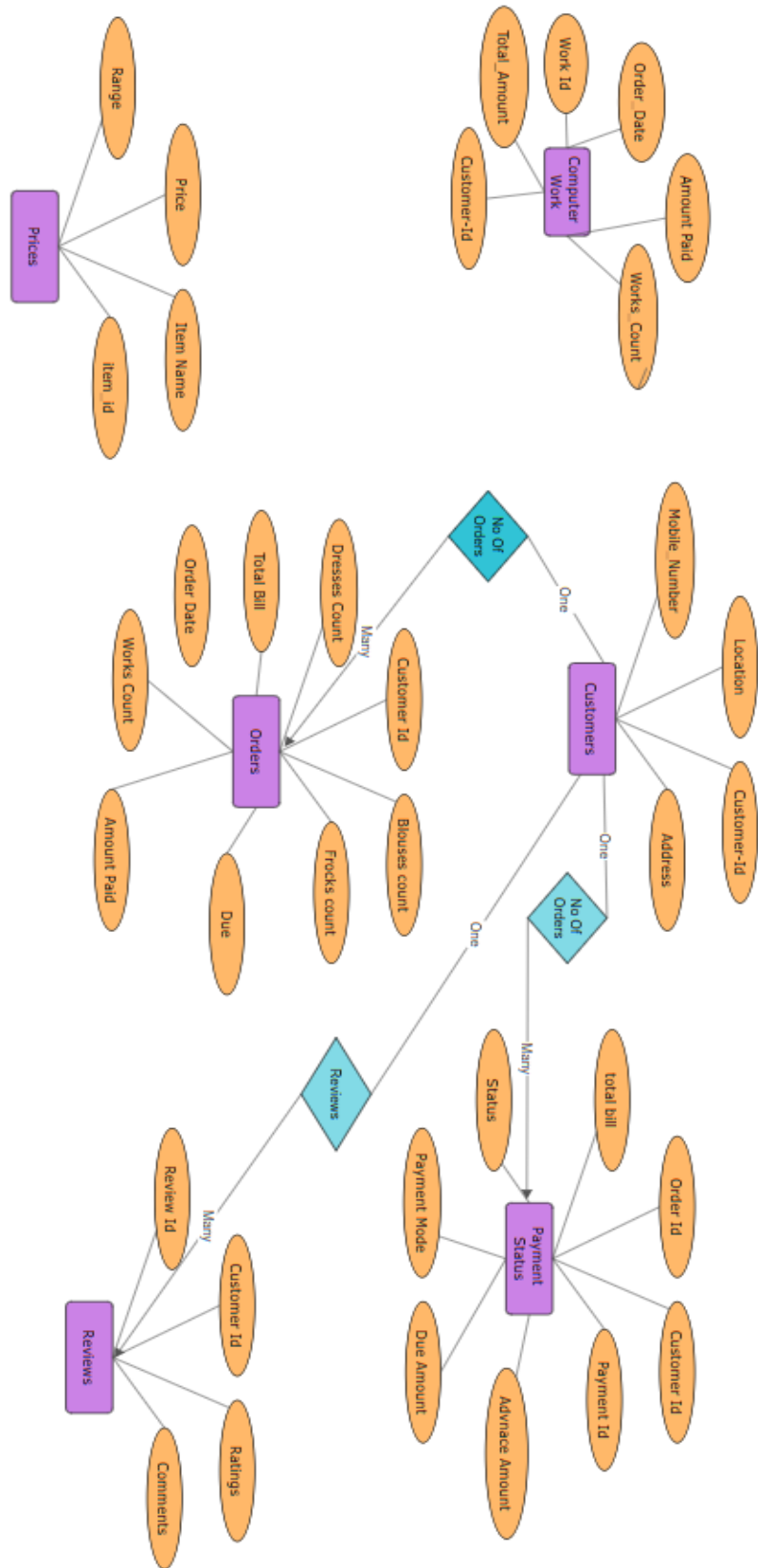


Table Creation

MySQL Program:

```
CREATE TABLE computerwork (  
    work_id int(11) NOT NULL AUTO_INCREMENT PRIMARY KEY,  
    customer_id int(11) DEFAULT NULL,  
    works_count int(11) DEFAULT NULL,  
    amount_paid decimal(10,2) DEFAULT NULL,  
    total_amount decimal(10,2) DEFAULT NULL,  
    order_date date DEFAULT NULL,  
    FOREIGN KEY (customer_id) REFERENCES customers(customer_id)  
);
```

```
CREATE TABLE customers (  
    customer_id int(11) NOT NULL AUTO_INCREMENT PRIMARY KEY,  
    name varchar(100) DEFAULT NULL,  
    location varchar(100) DEFAULT NULL,  
    mobile_number varchar(15) DEFAULT NULL,  
    address varchar(255) DEFAULT NULL  
);
```

```
CREATE TABLE orders (  
    order_id int(11) NOT NULL AUTO_INCREMENT PRIMARY KEY,  
    customer_id int(11) DEFAULT NULL,  
    blouses_count int(11) DEFAULT NULL,  
    dresses_count int(11) DEFAULT NULL,  
    frocks_count int(11) DEFAULT NULL,  
    works_count int(11) DEFAULT NULL,  
    total_bill decimal(10,2) DEFAULT NULL,  
    amount_paid decimal(10,2) DEFAULT NULL,  
    due decimal(10,2) DEFAULT NULL,  
    order_date date DEFAULT NULL,
```

```

        CONSTRAINT FK_customer_id_orders FOREIGN KEY (customer_id)
REFERENCES customers(customer_id) );
CREATE TABLE paymentstatus (
    customer_id int(11) DEFAULT NULL,
    order_id int(11) DEFAULT NULL,
    total_bill decimal(10,2) DEFAULT NULL,
    advance_amount decimal(10,2) DEFAULT NULL,
    due_amount decimal(10,2) DEFAULT NULL,
    payment_date date DEFAULT NULL,
    payment_mode varchar(50) DEFAULT NULL,
    status enum('paid','pending') DEFAULT NULL,
    FOREIGN KEY (customer_id) REFERENCES customers(customer_id),
    FOREIGN KEY (order_id) REFERENCES orders(order_id)
);

```

```

CREATE TABLE prices (
    item_id int(11) NOT NULL AUTO_INCREMENT PRIMARY KEY,
    item_name varchar(500) DEFAULT NULL,
    price decimal(10,2) DEFAULT NULL,
    rangee varchar(100) DEFAULT NULL
);

```

```

CREATE TABLE reviews (
    review_id int(11) NOT NULL AUTO_INCREMENT PRIMARY KEY,
    customer_id int(11) DEFAULT NULL,
    ratings int(11) DEFAULT NULL,
    comments text DEFAULT NULL,
    CONSTRAINT FK_customer_id_reviews FOREIGN KEY (customer_id)
REFERENCES customers(customer_id)
);

```

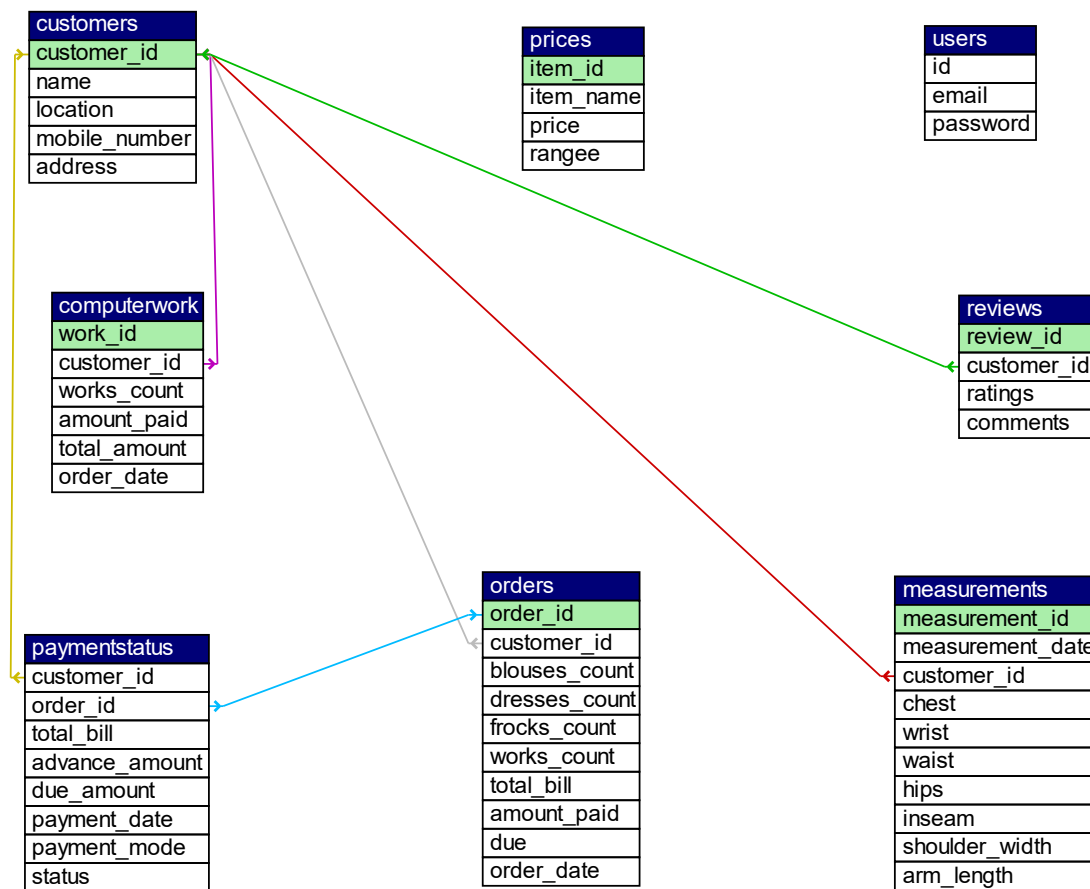
```

CREATE TABLE admin (
    id int(11) NOT NULL AUTO_INCREMENT PRIMARY KEY,
    email varchar(255) NOT NULL,

```

password varchar(255) NOT NULL
);

Database Foreign Key Diagram



Database Tables

All Tables

← Server: 127.0.0.1 » Database: lttailor

Structure SQL Search Query Export Import Open

Filters

Containing the word:

	Table	Action
<input type="checkbox"/>	computerwork	★ Browse Structure Search Insert Empty Drop
<input type="checkbox"/>	customers	★ Browse Structure Search Insert Empty Drop
<input type="checkbox"/>	measurements	★ Browse Structure Search Insert Empty Drop
<input type="checkbox"/>	orders	★ Browse Structure Search Insert Empty Drop
<input type="checkbox"/>	paymentstatus	★ Browse Structure Search Insert Empty Drop
<input type="checkbox"/>	prices	★ Browse Structure Search Insert Empty Drop
<input type="checkbox"/>	reviews	★ Browse Structure Search Insert Empty Drop
<input type="checkbox"/>	users	★ Browse Structure Search Insert Empty Drop
8 tables		Sum

☐ Check all With selected:



















Computer Work Table Structure

Table structure


























Relation view

	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	work_id	int(11)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/>	2	customer_id	int(11)			Yes	NULL			Change Drop More
<input type="checkbox"/>	3	works_count	int(11)			Yes	NULL			Change Drop More
<input type="checkbox"/>	4	amount_paid	decimal(10,2)			Yes	NULL			Change Drop More
<input type="checkbox"/>	5	total_amount	decimal(10,2)			Yes	NULL			Change Drop More
<input type="checkbox"/>	6	order_date	date			Yes	NULL			Change Drop More



































Customers Table Structure

<div>  Table structure  Relation view </div>									
#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 customer_id 	int(11)			No	None		AUTO_INCREMENT	 Change  Drop  More
<input type="checkbox"/>	2 name	varchar(100)	utf8mb4_general_ci		Yes	NULL			 Change  Drop  More
<input type="checkbox"/>	3 location	varchar(100)	utf8mb4_general_ci		Yes	NULL			 Change  Drop  More
<input type="checkbox"/>	4 mobile_number	varchar(15)	utf8mb4_general_ci		Yes	NULL			 Change  Drop  More
<input type="checkbox"/>	5 address	varchar(255)	utf8mb4_general_ci		Yes	NULL			 Change  Drop  More

Measurements Table Structure

<div>  Table structure  Relation view </div>									
#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 measurement_id 	int(11)			No	None		AUTO_INCREMENT	 Change  Drop  More
<input type="checkbox"/>	2 measurement_date	date			Yes	NULL			 Change  Drop  More
<input type="checkbox"/>	3 customer_id 	int(11)			Yes	NULL			 Change  Drop  More
<input type="checkbox"/>	4 chest	decimal(5,2)			Yes	NULL			 Change  Drop  More
<input type="checkbox"/>	5 wrist	decimal(5,2)			Yes	NULL			 Change  Drop  More
<input type="checkbox"/>	6 waist	decimal(5,2)			Yes	NULL			 Change  Drop  More
<input type="checkbox"/>	7 hips	decimal(5,2)			Yes	NULL			 Change  Drop  More
<input type="checkbox"/>	8 inseam	decimal(5,2)			Yes	NULL			 Change  Drop  More
<input type="checkbox"/>	9 shoulder_width	decimal(5,2)			Yes	NULL			 Change  Drop  More
<input type="checkbox"/>	10 arm_length	decimal(5,2)			Yes	NULL			 Change  Drop  More

Orders Table Structure

<div>  Table structure  Relation view </div>									
#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 order_id 	int(11)			No	None		AUTO_INCREMENT	 Change  Drop  More
<input type="checkbox"/>	2 customer_id 	int(11)			Yes	NULL			 Change  Drop  More
<input type="checkbox"/>	3 blouses_count	int(11)			Yes	NULL			 Change  Drop  More
<input type="checkbox"/>	4 dresses_count	int(11)			Yes	NULL			 Change  Drop  More
<input type="checkbox"/>	5 frocks_count	int(11)			Yes	NULL			 Change  Drop  More
<input type="checkbox"/>	6 works_count	int(11)			Yes	NULL			 Change  Drop  More
<input type="checkbox"/>	7 total_bill	decimal(10,2)			Yes	NULL			 Change  Drop  More
<input type="checkbox"/>	8 amount_paid	decimal(10,2)			Yes	NULL			 Change  Drop  More
<input type="checkbox"/>	9 due	decimal(10,2)			Yes	NULL			 Change  Drop  More
<input type="checkbox"/>	10 order_date	date			Yes	NULL			 Change  Drop  More

Payment Status Table Structure

<div> <div>Table structure</div> <div>Relation view</div> </div>									
#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 customer_id	int(11)			Yes	NULL			Change Drop More
<input type="checkbox"/>	2 order_id	int(11)			Yes	NULL			Change Drop More
<input type="checkbox"/>	3 total_bill	decimal(10,2)			Yes	NULL			Change Drop More
<input type="checkbox"/>	4 advance_amount	decimal(10,2)			Yes	NULL			Change Drop More
<input type="checkbox"/>	5 due_amount	decimal(10,2)			Yes	NULL			Change Drop More
<input type="checkbox"/>	6 payment_date	date			Yes	NULL			Change Drop More
<input type="checkbox"/>	7 payment_mode	varchar(50)	utf8mb4_general_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	8 status	enum('paid', 'pending')	utf8mb4_general_ci		Yes	NULL			Change Drop More

Prices Table Structure

<div> <div>Table structure</div> <div>Relation view</div> </div>									
#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 item_id	int(11)			No	None			Change Drop More
<input type="checkbox"/>	2 item_name	varchar(500)	utf8mb4_general_ci		Yes	NULL			Change Drop More
<input type="checkbox"/>	3 price	decimal(10,2)			Yes	NULL			Change Drop More
<input type="checkbox"/>	4 rangee	varchar(100)	utf8mb4_general_ci		Yes	NULL			Change Drop More

Review Table Structure

<div> <div>Table structure</div> <div>Relation view</div> </div>									
#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 review_id	int(11)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/>	2 customer_id	int(11)			Yes	NULL			Change Drop More
<input type="checkbox"/>	3 ratings	int(11)			Yes	NULL			Change Drop More
<input type="checkbox"/>	4 comments	text	utf8mb4_general_ci		Yes	NULL			Change Drop More

Users Table Structure

<div> <div>Table structure</div> <div>Relation view</div> </div>									
#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 id	int(11)			No	None			Change Drop More
<input type="checkbox"/>	2 email	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	3 password	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More

Inserting Data Into Tables

```
INSERT INTO `computerwork` (`work_id`, `customer_id`, `works_count`,  
`amount_paid`, `total_amount`, `order_date`) VALUES
```

```
(31, 41, 5, 2000.00, 3000.00, '2023-08-25'),  
(32, 42, 3, 1500.00, 1800.00, '2024-03-16'),  
(33, 43, 7, 2500.00, 4000.00, '2024-03-16'),  
(34, 44, 1, 500.00, 800.00, '2023-08-25'),  
(35, 45, 6, 2500.00, 3500.00, '2023-12-10'),  
(36, 46, 4, 2000.00, 3000.00, '2024-03-16'),  
(37, 47, 3, 1500.00, 1800.00, '2023-12-10'),  
(38, 48, 7, 2500.00, 4000.00, '2024-03-16'),  
(39, 49, 2, 500.00, 800.00, '2023-08-25'),  
(40, 50, 6, 2500.00, 3500.00, '2024-03-16');
```

```
-----  
INSERT INTO `customers` (`customer_id`, `name`, `location`,  
`mobile_number`, `address`) VALUES
```

```
(41, 'Pujitha', 'Hyderabad, Telangana', '9876543210', 'Convention Nagar,  
Hyderabad'),  
(42, 'Ananya', 'Visakhapatnam, Andhra Pradesh', '8765432109', 'Beach Road,  
Visakhapatnam'),  
(43, 'Pragnya', 'Vijayawada, Andhra Pradesh', '7654321098', 'Petabadi,  
Vijayawada'),  
(44, 'Yashwanthi', 'Guntur, Andhra Pradesh', '6543210987', 'Raju Road,  
Guntur'),  
(45, 'Akhila', 'Karimnagar, Telangana', '5432109876', 'Maitri Nagar,  
Karimnagar'),
```

(46, 'Rani', 'Rajamahendravaram, Andhra Pradesh', '4321098765', 'Mayil Road, Rajamahendravaram'),

(47, 'Avanthi', 'Hyderabad, Telangana', '3210987654', 'Bell Road, Hyderabad'),

(48, 'Manju', 'Visakhapatnam, Andhra Pradesh', '2109876543', 'Venkateshwarpuram, Visakhapatnam'),

(49, 'Vrushali', 'Warangal, Telangana', '1098765432', 'Lakeview Colony, Warangal'),

(50, 'Latha', 'Vijayawada, Andhra Pradesh', '9988776655', 'Chaitanya Nagar, Vijayawada');

INSERT INTO `measurements` (`measurement_id`, `measurement_date`,
`customer_id`, `chest`, `wrist`, `waist`, `hips`, `inseam`, `shoulder_width`,
`arm_length`) VALUES

(41, '2024-03-16', 41, 36.50, 7.80, 30.00, 38.00, 28.00, 16.00, 22.00),

(42, '2024-03-16', 42, 34.20, 7.50, 28.00, 36.00, 26.00, 15.00, 20.00),

(43, '2023-08-25', 43, 38.00, 8.00, 32.00, 40.00, 30.00, 17.00, 24.00),

(44, '2023-08-25', 44, 32.50, 7.00, 26.00, 34.00, 24.00, 14.00, 18.00),

(45, '2024-03-16', 45, 40.00, 8.50, 36.00, 44.00, 32.00, 18.00, 26.00),

(46, '2023-12-10', 46, 36.00, 8.20, 30.00, 38.00, 28.00, 16.00, 22.00),

(47, '2023-12-10', 47, 33.00, 7.30, 28.00, 36.00, 26.00, 15.00, 20.00),

(48, '2024-03-16', 48, 35.50, 7.60, 32.00, 40.00, 30.00, 17.00, 24.00),

(49, '2023-08-25', 49, 37.00, 7.90, 34.00, 42.00, 29.00, 16.50, 23.00),

(50, '2024-03-16', 50, 31.50, 6.80, 25.00, 33.00, 23.00, 13.00, 17.00);

INSERT INTO `orders` (`order_id`, `customer_id`, `blouses_count`,
`dresses_count`, `frocks_count`, `works_count`, `total_bill`, `amount_paid`,
`due`, `order_date`) VALUES

(1, 41, 3, 2, 0, 1, 2500.00, 1500.00, 1000.00, '2023-08-25'),

(2, 42, 2, 1, 0, 0, 1800.00, 1800.00, 0.00, '2024-03-16'),

(3, 43, 4, 3, 2, 1, 4000.00, 3000.00, 1000.00, '2024-03-16'),

```
(4, 44, 1, 0, 0, 0, 800.00, 800.00, 0.00, '2023-08-25'),
(5, 45, 5, 2, 0, 2, 3500.00, 2000.00, 1500.00, '2023-12-10'),
(6, 46, 3, 2, 1, 1, 3000.00, 1500.00, 1500.00, '2024-03-16'),
(7, 47, 2, 1, 0, 0, 1800.00, 1800.00, 0.00, '2023-12-10'),
(8, 48, 4, 3, 2, 1, 4000.00, 3000.00, 1000.00, '2024-03-16'),
(9, 49, 1, 0, 0, 0, 800.00, 800.00, 0.00, '2023-08-25'),
(10, 50, 5, 2, 0, 2, 3500.00, 2000.00, 1500.00, '2024-03-16');
```

```
-- -----
INSERT INTO `paymentstatus` (`customer_id`, `order_id`, `total_bill`,
`advance_amount`, `due_amount`, `payment_date`, `payment_mode`, `status`)
VALUES
```

```
(41, 1, 2500.00, 1500.00, 1000.00, '2023-08-25', 'Cash', 'paid'),
(42, 2, 1800.00, 1800.00, 0.00, '2024-03-16', 'Card', 'paid'),
(43, 3, 4000.00, 3000.00, 1000.00, '2024-03-16', 'Cash', 'paid'),
(44, 4, 800.00, 800.00, 0.00, '2023-08-25', 'Cash', 'paid'),
(45, 5, 3500.00, 2000.00, 1500.00, '2023-12-10', 'Cash', 'paid'),
(46, 6, 3000.00, 1500.00, 1500.00, '2024-03-16', 'Card', 'paid'),
(47, 7, 1800.00, 1800.00, 0.00, '2023-12-10', 'Cash', 'paid'),
(48, 8, 4000.00, 3000.00, 1000.00, '2024-03-16', 'Cash', 'paid'),
(49, 9, 800.00, 800.00, 0.00, '2023-08-25', 'Card', 'paid'),
(50, 10, 3500.00, 2000.00, 1500.00, '2024-03-16', 'Cash', 'paid');
```

```
-- -----
INSERT INTO `prices` (`item_id`, `item_name`, `price`, `rangee`) VALUES
```

```
(1, 'Blouse', 500.00, 'Rs. 500 - Rs. 1000'),
(2, 'Frock', 1200.00, 'Rs. 1000 - Rs. 2000'),
(3, 'Dress', 1800.00, 'Rs. 1500 - Rs. 2500'),
(4, 'Chudidhar', 1000.00, 'Rs. 800 - Rs. 1200'),
(5, 'Lehenga', 2500.00, 'Rs. 2000 - Rs. 3000'),
```

```
(6, 'Maggam Blouse', 1500.00, 'Rs. 1200 - Rs. 1800'),  
(7, 'Work Blouse', 800.00, 'Rs. 700 - Rs. 1000'),  
(8, 'Pico Fall', 300.00, 'Rs. 200 - Rs. 400');  
INSERT INTO `reviews` (`review_id`, `customer_id`, `ratings`, `comments`)  
VALUES
```

```
(1, 41, 4, 'The boutique offers a great variety of stylish outfits.'),  
(2, 42, 5, 'I adore the unique designs and attention to detail.'),  
(3, 43, 3, 'The quality of the fabric could be improved.'),  
(4, 44, 4, 'Friendly staff and efficient service.'),  
(5, 45, 5, 'I am always satisfied with my purchases from this boutique.'),  
(6, 46, 2, 'The sizes run smaller than expected.'),  
(7, 47, 5, 'Fantastic selection of accessories.'),  
(8, 48, 4, 'Reasonable prices for high-quality clothing.'),  
(9, 49, 3, 'The fitting could be more consistent.'),  
(10, 50, 5, 'Absolutely love shopping here! The staff is amazing.');
```

```
-----  
INSERT INTO `users` (`id`, `email`, `password`) VALUES  
(1, 'saicharanmalde@gmail.com', '123456');
```

Fetches Data from Database Using Queries

(Simple, Joins, Aggregation, Sub-query)

SQL Queries

Query 1: Fetching data from the database

Customer ID	Name	Location
41	Pujitha	Hyderabad, Telangana
42	Ananya	Visakhapatnam, Andhra Pradesh
43	Pragnya	Vijayawada, Andhra Pradesh
44	Yashwanthi	Guntur, Andhra Pradesh
45	Akhila	Karimnagar, Telangana
46	Rani	Rajamahendravaram, Andhra Pradesh
47	Avanthi	Hyderabad, Telangana
48	Manju	Visakhapatnam, Andhra Pradesh
49	Vrushali	Warangal, Telangana
50	Latha	Vijayawada, Andhra Pradesh

Query 2: Aggregation function (Count)

Total Orders
10

Query 3: Joining tables (Customers and Orders)

Customer	Total Bill
Pujitha	\$2500.00
Ananya	\$1800.00
Pragnya	\$4000.00
Yashwanthi	\$800.00
Akhila	\$3500.00
Rani	\$3000.00
Avanthi	\$1800.00
Manju	\$4000.00
Vrushali	\$800.00
Latha	\$3500.00

Query 4: Subquery

Customer ID	Payment Date	Amount Paid
43	2024-03-16	\$4000.00
48	2024-03-16	\$4000.00

Query 5: Filtering data with WHERE clause

Order ID	Total Bill
1	\$2500.00
3	\$4000.00
5	\$3500.00
6	\$3000.00
8	\$4000.00
10	\$3500.00

Query 6: Sorting data with ORDER BY

Customer Name	Location
Akhila	Karimnagar, Telangana
Ananya	Visakhapatnam, Andhra Pradesh
Avanthi	Hyderabad, Telangana
Latha	Vijayawada, Andhra Pradesh
Manju	Visakhapatnam, Andhra Pradesh
Pragnya	Vijayawada, Andhra Pradesh
Pujitha	Hyderabad, Telangana
Rani	Rajamahendravaram, Andhra Pradesh
Vrushali	Warangal, Telangana
Yashwanthi	Guntur, Andhra Pradesh

Query 7: Grouping data with GROUP BY

Customer ID	Total Spent
41	\$2500.00
42	\$1800.00
43	\$4000.00
44	\$800.00
45	\$3500.00
46	\$3000.00
47	\$1800.00
48	\$4000.00
49	\$800.00
50	\$3500.00

Query 8: Subquery

Customer Name	Location
Pragnya	Vijayawada, Andhra Pradesh
Akhila	Karimnagar, Telangana
Rani	Rajamahendravaram, Andhra Pradesh
Manju	Visakhapatnam, Andhra Pradesh
Latha	Vijayawada, Andhra Pradesh

Query 9: Join

Customer Name	Order ID	Total Bill
Pujitha	1	\$2500.00
Ananya	2	\$1800.00
Pragnya	3	\$4000.00
Yashwanthi	4	\$800.00
Akhila	5	\$3500.00
Rani	6	\$3000.00
Avanthi	7	\$1800.00
Manju	8	\$4000.00
Vrushali	9	\$800.00
Latha	10	\$3500.00

Query 10: Aggregation Function

Total Blouses Ordered
30

Query 11: Join Operation

Customer Name	Wrist	Shoulder_width	arm_length
Pujitha	7.80	16.00	22.00
Ananya	7.50	15.00	20.00
Pragnya	8.00	17.00	24.00
Yashwanthi	7.00	14.00	18.00
Akhila	8.50	18.00	26.00
Rani	8.20	16.00	22.00
Avanthi	7.30	15.00	20.00
Manju	7.60	17.00	24.00
Vrushali	7.90	16.50	23.00
Latha	6.80	13.00	17.00

Query 12: Aggregate Function

Average Rating
4.0000

Query 13: Subquery

Customer Id	Due amount
45	1500.00
46	1500.00
50	1500.00

Query 14: Joining Tables

Customer	Order ID	Total Bill	Order Date
Pujitha	1	\$2500.00	2023-08-25
Ananya	2	\$1800.00	2024-03-16
Pragnya	3	\$4000.00	2024-03-16
Yashwanthi	4	\$800.00	2023-08-25
Akhila	5	\$3500.00	2023-12-10
Rani	6	\$3000.00	2024-03-16
Avanthi	7	\$1800.00	2023-12-10
Manju	8	\$4000.00	2024-03-16
Vrushali	9	\$800.00	2023-08-25
Latha	10	\$3500.00	2024-03-16

Query 15: Aggregation Function

Total Orders
1200.000000

Conclusion

In conclusion, the development of a specialized database system for boutique businesses represents a significant step towards enhancing operational efficiency and customer service. By centralizing and automating key processes such as customer details management, order processing, payments, and measurements, the database system streamlines workflows and improves decision-making. The incorporation of advanced analytics enables boutique owners to gain valuable insights for strategic initiatives, while user-friendly features promote personalized interactions with customers. Overall, this project empowers boutique owners to optimize their operations, elevate their businesses, and remain competitive in the market.