

AI Supplements



Eric Rainer, Chad Magee, Tushar Sharma,
Xiaoxian Wang



AI Supplements

- Started in 2013 and is located on Campustown, Ames, Iowa.
- It sells high quality and affordable nutritional supplements.
- Maintains a strong presence, but only on social media channels like Facebook
- It also has online shopping available that makes it easier to order the products.

Sample query function Design



Customer_Q:

Report:

Function1: List the Customer Table:
SQL: SELECT *
FROM Customer_Q;

Function1: Count how many customer information we have stored:
SQL: SELECT COUNT(CustomerID)
FROM Customer_Q;

Find:

Function2: Find Customer by name:
SQL: SELECT *
FROM Customer_Q;

Function3: Find Customer by Phone:
SQL: SELECT *
FROM Customer_Q
WHERE Phone_Number = ?;

Add:

SQL: INSERT INTO Customer_Q
VALUES (New ID, New Name, New Phone);

Remove:

DELETE FROM Customer_Q
WHERE CustomerID = ?;

Modify:

UPDATE Customer_Q
SET Phone_Number TO ???
WHERE CustomerID = ???;

Product_Q:

Report:

Function1: Report all the product information
SQL: SELECT *
FROM Product;

Function5: Report the product prices in ascending order.

SQL: SELECT ProductID, Product_Name, Price,
FROM Product_Q
ORDER BY Price;

Function: Report the product prices in descending order.

SQL: SELECT ProductID, Product_Name, Price,
FROM Product_Q
ORDER BY Price DESC;

Find:

Function2: Find Product with specific description:
SQL: SELECT ProductID, Product_Description, Price
FROM Product_Q
WHERE ProductID = ?;

Function3: Find out the product with the highest price.

SQL: SELECT ProductID, Price
FROM Product
WHERE Price = (SELECT MAX(Price) FROM Product);

Function4: Find out the product with the lowest price.

SQL: SELECT ProductID, Price
FROM Product_Q
WHERE Price = (SELECT MIN(Price) FROM Product);

Store_Q:

Report:

Function1: Report all the store information
SQL: SELECT *
FROM Store;

Find:

Function2: Find Store by store_ID
SQL: SELECT *
FROM Store
WHERE store_id = ?;

Add:

SQL: INSERT INTO Store_Q
VALUES (New id, Contact, Location, Inventory);

Remove:

DELETE FROM Store_Q
WHERE Store_ID = ?;

Modify:

UPDATE Store_Q
SET Inventory TO ???
WHERE Store_ID = ???;

Supplier_Q:

Report:

Function1: Report all the supplier information
SQL: SELECT *
FROM Supplier_Q;

Function3: Report Supplier numbers we have

SQL: SELECT COUNT(Supplier_ID)
FROM Supplier_Q

Customers Q

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AI Supplements CRM Log Out

Home Customers Q Orders Q Product Q

Customers Q

Action Processed.

Customerid Customer Name Phone Number

	Customerid	Customer Name	Phone Number
	10	Sally Adams	515-555-555
	11	Ben Johnson	515-555-7777
	12	Jason Yager	515-555-8888
	13	Gavin Wang	515-268-7945

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release 1.0 Set Screen Reader Mode On

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Product Q

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AI Supplements CRM

Home Customers Q Orders Q Product Q

Product Q / Product Q

Edit PRODUCT_Q

Product ID: 22

Product Desc: HGC

Price: 23.25

On Hand: 5

Amount Ordered: 3

[Cancel](#) [Create](#)

release 1.0.5

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Conclusion

- Having a database management system can make the job a lot easier.
- Customer loyalty programs are one way of attracting new and existing customers, and having a database can really help in making that possible.
- It can ultimately help in spreading the word about the company after offering discounts and promotions.



Questions?

