# Bostin' Botanicals

MySQL database

# Overview

- This was a quick team project using MySQL to create a database for a fictional company, Bostin' Botanicals, the following slides are designed to mock a real-life pitch to the company. LETS analytics was a fictional company based on the initials of the people involved in the group project.
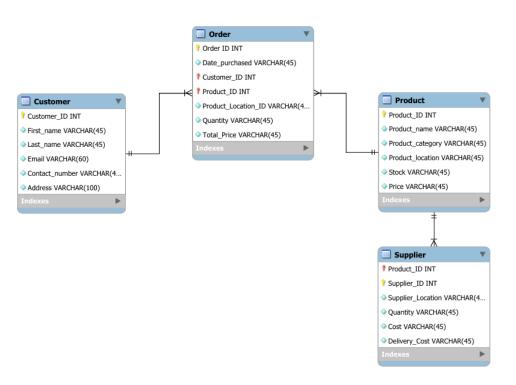
# Brief

- To create a database for the start-up company Bostin' Botanicals, which specialises in cultivating British botanicals.

- The company wanted to be able to track orders made from suppliers, the location of stock they currently hold, and sales generated.

# The Schema

- The schema outlines four tables: Customer, Product, Supplier, and Orders.

- The fact table is the Order table, which links to the Customer via a one-to-many relationship, focusing on the shared column of 'Customer ID'.

- The Supplier table is linked to the Product table, in a one-to-many relationship.

- Finally, a one-to-many relationship connects the Product table to the fact table, Orders.

# Orders

- The order table records the customer sale, which includes: the quantity of items purchased, the sale, and VAT cost. It also lists the unique customer order number, date of purchase, the customer and product IDs, and product location.

| Order ID | Date_purchased | Customer_ID | Product_ID | Product_Location_ID | Quantity | Total_Price | VAT |
|---|---|---|---|---|---|---|---|
| 1 | 1/1/2024 | 1 | 2 | Nursery_2 | 6 | 20.94 | 4.18 |
| 2 | 3/1/2024 | 2 | 3 | Nursery_2 | 20 | 39.80 | 7.96 |
| 3 | 4/1/2024 | 3 | 1 | Nursery_1 | 1 | 59.99 | 11.99 |
| 4 | 6/1/2024 | 4 | 4 | Nursery_3 | 2 | 7.98 | 1.59 |
| 5 | 8/1/2024 | 5 | 5 | Nursery_2 | 14 | 41.86 | 8.37 |
| NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

# Customer

- The customer table records the customer information, including name, address, and contact information. Having this in a separate table allows for the company to maintain GDPR guidelines with customer details.

| Customer_ID | First_name | Last_name | Email | Contact_number | House_Number | Street | Town | City | Postcode |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Joetta | Turner | JoJoTurner19@hotmail.co.uk | +44 7911 882428 | 28 | Schamberger Passage | Longtown | Lesleyburgh | EW0 7ZY |
| 2 | Brooke | Micheal | BrookM93@gmail.com | +44 7919 772811 | 44 | Howell Islands | Cresly | Raynorborough | QX93 4LB |
| 3 | Mavis | Wootton | MavisWooton@gmail.com | +44 7452 729344 | 69 | Florence Cliffs | Armar | Vienna | VG2 0ZQ |
| 4 | Rickie | Cruickshank | RickieShank@aol.com | +44 7911 059142 | 752 | Kunde Locks | Porterloo | Wildermanside | ZB90 6FC |
| 5 | Finnley | Roberts | FinRobo@yahoomail.co.uk | +44 7457 547023 | 22865 | Louisa Rest | Scone | Kristianchester | CY6 3MZ |
| NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

# Product and Supplier

| Product_ID | Supplier_ID | Supplier_Location | Quantity | Cost | Delivery_Cost |
|---|---|---|---|---|---|
| 1 | 1 | Newcastle | 3 | 44.99 | 0 |
| 2 | 2 | Birmingham | 12 | 2.61 | 0 |
| 3 | 2 | Birmingham | 60 | 1.49 | 0 |
| 4 | 3 | Manchester | 8 | 2.99 | 0 |
| 5 | 2 | Birmingham | 40 | 2.24 | 0 |
| NULL | NULL | NULL | NULL | NULL | NULL |

- The supplier table lists supplier information and orders from suppliers. This feeds into the product table.

- The product table has a name and description of stock, a location to where the stock is, and a sale price, which includes profit margins

| Product_ID | Product_name | Product_category | Product_Description | Product_location | Stock | Price |
|---|---|---|---|---|---|---|
| 1 | Bonsai Tree | Tree | Bonsai specimens are ordinary trees and shrubs... | Tree | 2 | 59.99 |
| 2 | Tulips | Flower | Consists of three to four bell shaped petals. | Flowers | 6 | 3.49 |
| 3 | Lavendar | Flower | Small purple petals that release a strong distinct... | Flowers | 40 | 1.99 |
| 4 | Cherry Blossom Sapling | Seeds | Will bloom into a pink fluffy tree in a spacious en... | Seedlings | 6 | 3.99 |
| 5 | Bluebells | Flower | A bulbous perennial plant found in Atlantic areas. | Flowers | 26 | 2.99 |
| NULL | NULL | NULL | NULL | NULL | | NULL |

# Thank you for your time.

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