Little Lemon Database Project

# 1. Project Setup

* Setup db and MySQL Server
* ER Diagram
* Commit project (Git)
* New MySQL user setup

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## Required entities

* Bookings
* Orders
* Order delivery status
* Menu
* Customer details
* Staff information

## Conceptual Model

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## MySQL ERD Model

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## Forward Engineering

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# Part 2 Creating Report Queries

## OrdersView Virtual Table

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## JOIN operation needed

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## Finding all menu items where more than 2 orders placed

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## Stored Procedure that displays max ordered quantity in Orders

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## Prepared statement – GetOrderDetail

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## CancelOrder procedure

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# Part 3: Table Booking System

## SQL Queries to check available bookings

### Task1

Little lemon requires to keep track of table bookings, also they need a stored procedure that checks available bookings per user.

**Required to meet Foreign Key Constraint**

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Now we can insert into bookings

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### Task2: Stored Procedure CheckBooking

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### Task 3 Adding booking validation

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## Creating SQL Queries to add and Update Bookings

### Task1: AddBooking Procedure

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### Task 2 – UpdateBooking

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### Task 3 – CancelBooking

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# Part 4: Tableau

## Setup Tableau Workspace

### Task1 Connect Tableau to Excel sheet, and filter data to select US

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### Task2 new data field for First Name and Last Name.

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### Task3 new data field for profits

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## Interactive Dashboard for sales and profits

### Task1 Customer sales with filter of sales >= $70

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### Task2 Sales trend from 2019-2022

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### Task3 Bubble Chart of sales for all customers.

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### Task4 Sales of the Cuisines

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### Task5 Interactive Dashboard

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