This document will serve as a step-by-step procedure of actions taken place during the db capstone project.

- First MySQL was downloaded and installed.

- A user account was created in MySQL workbench and given administrative access

- A connection instance of MySQL server was created using the new user account and the connection was tested.

- A schema was created for the database project “littlelemondb”

- An entity-relationship model diagram was created using MySQL workbench. See additional file “ER-Diagram” within the repository.

- A view was created called “OrdersView” which queries order ID, quantity, and cost from the orders table. “CreateOrdersView.sql”

- A query was developed for the client to extract information from four tables that contain orders which costed more than $150. “ClientOrderInfoQuery.sql”

- A query was developed for the client to determine which menu items had an order quantity of 2 or more. “ClientPopularMenuItemQuery.sql”

- A stored procedure was created “GetMaxQuantity” which returns the maximum ordered quantity from the orders table.

- A prepared statement was created “GetOrderDetails” to get order id, quantity, and cost details using a customer id variable.

- A stored procedure was created “CancelOrder” carrying in an integer ID variable which deletes the record from the Orders table with the matching id.

- A stored procedure was created “CheckBooking” which carries in 2 parameters of booking date and table number to and returns a message which tells the user whether the table has already been booked or not.

- A stored procedure was created “AddValidBooking” which carries in 2 parameters of booking date and table number. It starts a transaction statement that attempts to create a booking using the input parameters, committing the change if it is available but will rollback the change if the booking already exists.

- A stored procedure was created “AddBooking” which carries in 3 parameters of customer id, booking date, and table number and inserts a record into the bookings table.

- A stored procedure was created “UpdateBooking” which carries in 2 parameters of booking id and booking date. It updates record of the booking id with the new carried in date.

- A stored procedure was created “CancelBooking” which carries in 1 parameter of booking id and removes the related record from the bookings table.