Final Project Database – FARMS Restaurants

I am going to create a database for restaurants that are in the FARMS hotels. It will include their Inventory, Billing, Menu, Staff, StaffSchedule, Reservation, Customer, and Order. I will have the following business logic enforced upon the database:

User Defined Functions

* InsertCustomer(CustomerID, CustomerFirst, CustomerLast, CustomerEmail) – Inserts a customer row to the Customer table
* InsertEmployee(EmployeeID, EmployeeFirst, EmployeeLast, EmplyeeEmail) – Inserts an employee row into the Employee table
* InsertMenuItem(ItemID, ItemName, ItemDescription, ItemPrice, ItemCategory) – Inserts a menu into the Menu table
* InsertOrder(OrderID, CustomerID, OrderMenuItems, OrderDate, RestaurantID) – Inserts an Order into the Order table
* UpdatePrices(MenuItemID) – Updates the prices of food on the Menu table
* UpdateInventory(InventoryID) – Updates the inventory amount of a food type

Stored Procedures

* GetTaxes(OrderID) – Gets the taxes for an order
* ProduceBill(CustomerID) – Creates a bill for a given customer
* CalculateNightlyEarnings(RestaurantID) – Calculates how much money the restaurant has made for a given night
* CalculateCancellationFees(ReservationID) – Calculates the cancellation fee for a customer
* GetEmployeeSchedule(EmployeeID) – Gets the schedule for a given employee
* GetReservedSeats(RestaurantID) – Finds which seats are reserved at a given restaurant

Triggers

* tr\_CustomerIDMustExist on Reservation – A reservation must have a valid customerID associated with it
* tr\_UpdateReservation on Reservation -
* tr\_GenerateBill on Order – When an order is created generate a bill for the customer
* tr\_InsertOrder on Order -