**String translateCredentials (String username, String password, String table)**

This function shall return the SQL statement for looking through a specific table for a username and a password.

Ex: “Select \* From Restaurant WHERE Username = “Admin”;

**String translateFindRestaurantByFilters (String typeOfFood,int intPriceMin,int intPriceMax,String location,String time)**

This function shall return the SQL statement to find a specific restaurant given a set of filters. Important to take into account that the statement shall depend on the status of 3 of the values (typeOfFood, location, time)which can be the default “All”. Given that these variables contain “All” then jump over them.

Ex: say typeOfFodd is “All” and the other two aren’t the statement would say:

Select \* from Restaurant where MinPrice <= 50 and MaxPrice >= 150 and Address = ‘Haga’ and OpeningTime <= ’14:00’ and ClosingTime >= ’23:00’;

In the case of both location and time being “All”

Select \* from Restaurant where Type = ‘Indian’ and MinPrice <= 50 and MaxPrice >= 150;

**String translateAllRestaurants ()**

This function shall return the SQL statement to find all restaurants.

**String translateRestaurantExists (String Name, String Address, String Type, String OpeningHours, String ClosingHours**

**, int MinPrice, int MaxPrice, int Owner)**

This function shall return the SQL statement to find out if a restaurant exists given the values.

Ex: Select \* from Restaurants where Name = ‘Example’ and Address = ‘Lindholmen’ and Type=’Indian’ and OpeningHours = ’08:00’ and ClosingHours = ’14:00’ and MinPrice = 50 and MaxPrice = 150 and Owner = 1;

**String translateUpdateRecord (String name, String Address, String Type, String OpeningHours, String ClosingHours, int MinPrice, int MaxPrice, int Owner, int ID)**

This function shall return the SQL statement to update the database. It is similar to the add function in term of variables received (all the variables). Where to set it depends always on the ID.

Ex: Update Restaurant set Name = ‘Example’, Address = ‘Haga’, Type = ‘Indian’, OpeningHours = ’10:00’, ClosingHours = ’16:00’, MinPrice = 100, MaxPrice = 250, Owner = 1 where ID = 2;

**String translateDeleteRecord (int ID)**

This function shall return the SQL statement to delete a specific record from the DB.

Example: Delete from Restaurant where ID = 4;

**String translateAddRestaurant (String Name, String Address, String Type, String OpeningHours, String ClosingHours, int MinPrice, int MaxPrice, int Owner)**

This function shall return the SQL statement to Insert the values into the Restaurant table. Where the values will be the variables received. Please take into account the Structure of the table and the variable types of each value. For example Name is a string and shall be respresented as ‘Name’. Also take into account that the ID is not needed to include in the statement given that the ID is autoincrement in the DB.

Ex: “Insert into Restaurant (Name,Address,Type,OpeningHours,ClosingHours,MinPrice,MaxPrice,Owner) " +

"VALUES (Name,Address,Type,OpeningHours,ClosingHours,MinPrice,MaxPrice,Owner);