

### **ERD Version Notes v3:**

1. Added the Friend ID in User Friends table
2. Made the year as a composite key for the Elite Years table
3. Attribute value moved to Business Attributes bridge table
4. Removed the redundant Opening and Closing hours columns from Business Hours table.

### **Views:**

We have incorporated 2 views in our database that serve the following purpose:

1. **CategoryRatings** – Gives an overview of what are the ratings for each Business Category sorted in a descending order of average ratings.
2. **MutualFriends** – Suggests the friends to other users based on any mutual friends in the system.

### **Triggers:**

This trigger we created is used to update the review counts for every business if there are any changes made to the Reviews table for any business. This way, we get to use the calculated column feature of SQL using a Trigger and Stored Procedures which follows a modular approach and we don't have to worry about changing the review counts in the Business table manually.

### **Stored Procedures:**

The Stored Procedure UpdateReviewCounts uses the trigger's ability to fetch the last inserted records Business ID to update the review counts for a business in Business table.

### **Constraints:**

1. Apart from the Primary and Foreign key constraints, we thought of adding a table level Check constraint on the column Closing Hours of Business Hours table that ensures that the closing hours is greater than opening hours.
2. The Review rating has a Check constraint to ensure the ratings to be between 0 and 5(both inclusive).

### **Connection Details:**

We thought of using the cloud instance for easier access to all the project member to enable concurrent access, real time data manipulation abilities and hosting dashboard/reports accessibility in future without relying on local machines.

- **Server Name:** shweta-azure-cloud.database.windows.net
- **Username:** INFO6210
- **Password:** INFO@6210
- **Database:** INFO\_6210\_DB

**-Project Team 1**