

Extra Lab Assignment 6

CIS 530 Database Systems

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1. You are building a Social Network Web Service System named **FriendBook** for Users as in Facebook Friend List or Google + Contact List.

One of the functions of the System is Contact List (Friends List) Management.

1. Design a Class Diagram and an E-R Diagram.
2. Transform it to Database Design with Table Scheme for Contact List (Friends List) Management Subsystem.

Assume that there is no Contact Groups (as in Google+) for the Contact List of each User. The system specifications are as follow:

1. Every user creates an User account with Userid and Personal Profile Info (Name, Address, email, Phone Number)
2. Each user has Contact List that is a list of Contacts (that is, many contacts) that the user added in his contact list.
3. All the contacts in each user's contact list are actually users in your Social Network System (Friend as in Facebook), so each Contact has his/her user account in your Social Network site.
4. Create each table schema with column names and add 3-4 objects (tuples) into each table that shows M-N relationship.
5. Add all the constraints in the database.
6. Add CRUDE (Create, Retrieve, Update, Delete, Execute) Functions for Contact List Management in the User Class.