# CS374 – Intro to Database Management

# Application Development Project

# Rubric for First Deliverable

## Group Member #1: Apoorv Joshi

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| --- | --- | --- | --- |
| Name | Requirements | Points | Awarded |
| Description of Application | * An overview of your application * System requirements (e.g. hardware, DBMS, other software) * A detailed description of your application | 25 |  |

**Overview:**

I want to create a registration form database application. The goal of the application is for users to create a manipulate their entry to their form, and they can also add other users to the form which gets saved in a database. This is the first step to create a more advanced UI enabled application.

**Detailed Description:**

The application will provide the user with a menu of different actions when the program opens

The following features will be available to the user:

* The ability for a user to add a user. This could be themselves or a new user
* The ability for a user to query to display all the users that have been added
* The ability for a user to delete a user completely from the database
* The ability for users to update the user with additional information. This also includes replacing a user

These features can be created by using some of the following relations and their relationships. Here are some ideas for what the database will include:

* Entities: User ID, User Names, User’s Phone number, Number of users.
* Relationships:
  + Adding users to the database: UserId, UserNames – user relationship
  + Update Users : Existing Users – New Users

**System Requirements:**

I plan to create this program using MySQL Workbench as my database management. I plan to use embedded SQL in Visual Studio Code and Python 3.10 to connect to the database.

In the scope of this project, I will not implement our application into a mobile app or website, though in the future this would be a great way to make the application easy for people to use. At this point there is not any other hardware or software that I want to use but this could change if I continue to expand the vision for this application.