# CS374 – Intro to Database Management

# Application Development Project

# Rubric for Second Deliverable

## Group Member #1: Apoorv Joshi

|  |  |  |  |
| --- | --- | --- | --- |
| 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 * Are there features that will not be implemented? What are they, and why won’t you fulfill them? | 10 |  |
| Project Management -Schedule | * Detailed schedule of who will do what part of project, by when | 5 |  |
| Logical Diagram | * Logical diagram in UML or E-R * Discussion of how your data model will satisfy the needs of your application * Discussion of alternative designs that you did not do (and why) | 15 |  |
| Queries Required | * Required queries in English (not SQL) * What entities and/or relationships are required for each query? * How will each query satisfy the needs of your application | 15 |  |
| Grammar, punctuation, syntax, and references | * Follow rules from the Penguin handbook on writing * References as appropriate (e.g. if you are modeling your application after an existing application, make note of that) | 5 |  |

Description:

The application is a registration form/database. The user has the ability to add themselves/new users in the registration form, manipulate the data like changing the user names, user phone, replace users, deleting users, etc. The project is coded in python and is connected via MySQL workbench. There is an assigned database and password that has been embedded into the python code. The project is simple to run – just by executing the main.py file in the VSCode terminal. There are no external UI implementations. This is so because I did not have enough time to create both front and back end of the application and also because I do not have any other project members. But, given the time and opportunity in the future, I would love to expand this project.

Project Management – Schedule:

Since I did everything myself, there nothing to say about other group members regarding the schedule and timeline.

Queries Required:

The project uses embedded SQL queries in the Python Code. Some SQL queries are as follows:

* create table if not exist
* insert into user(userId,userName,phone) values
* select \* from user
* Delete from user where userId = {}
* update user set userName ='{}', phone ='{}' where userId = {}

For each query, a relationship between user’s ID, Name, and Phone number is required. Each query executes a particular command to manipulate data within the registration form. For example, the queries listed above can add, delete, extract information that have been inputted into the registration form. This creates a backbone to the application.