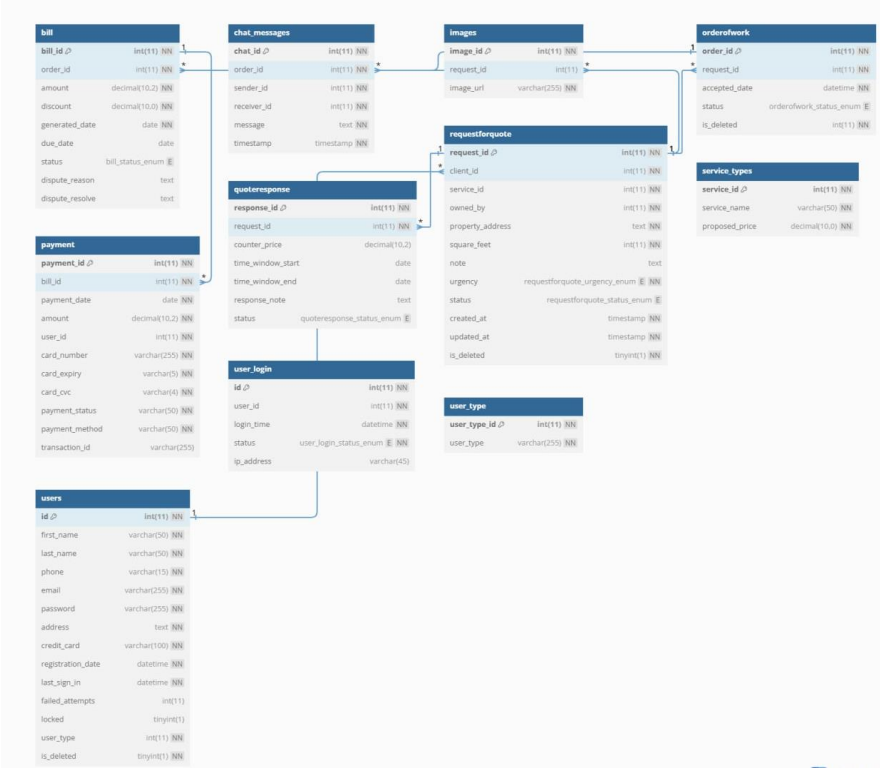
CSC 6710: Database Management Systems - I
Project part-3
Fall 2024

Project Partner:
Arun Ramkrishna Thangapalam (HR9292)
Sravani Bethelly (HS3571)

No of Hours Contributed:

Arun	- 20	- Backend, Toggle Actions, Navigations and Options and Buttons
Sravani	- 10	- JWT, pop-ups actions, Tables and Form Structures
Together	- 30	- SQL for Reports and other Data retrieving and User Type Differentiation
Total	- 60	

1. URL to Presentation: https://drive.google.com/file/d/1b1ou1Wrd6bolmuXyyNC75cGOVGZp1GPs/view?usp=drive_link
2. URL to GitHub Repository: reactmysql/project2 at main · huharun/reactmysql
3. SQL Statements File: project2/sql_pr2_arun.txt
4. Database SQL for table creation and sample data: project2.sql
5. ER Diagram:



Relationships:

- users ↔ user_login: Each user can have multiple login records (1:N relationship).
- users ↔ requestforquote: Each user can create multiple service requests (1:N relationship).
- requestforquote ↔ service_types: Each request is linked to a specific service type (N:1 relationship).
- requestforquote ↔ orderofwork: Each request can generate one or more orders (1:N relationship).
- requestforquote ↔ quotesresponse: A request can have multiple quote responses (1:N relationship).
- orderofwork ↔ bill: Each work order can generate a single bill (1:1 relationship).
- bill ↔ payment: Each bill can have multiple payments (1:N relationship).
- requestforquote ↔ images: Each request can have multiple related images (1:N relationship).
- users ↔ chat_messages: Each user can send and receive multiple messages (1:N relationship).

Overall Functionality

This database design is intended for managing a service-oriented platform, covering user registration, service requests, order processing, billing, payments, and communication. Each entity plays a role in tracking specific aspects of user interactions, services, and financial transactions.