Database Management System Project - UE19CS301

Assignment 2

Hospital management system

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ER to Relational Schema mapping:
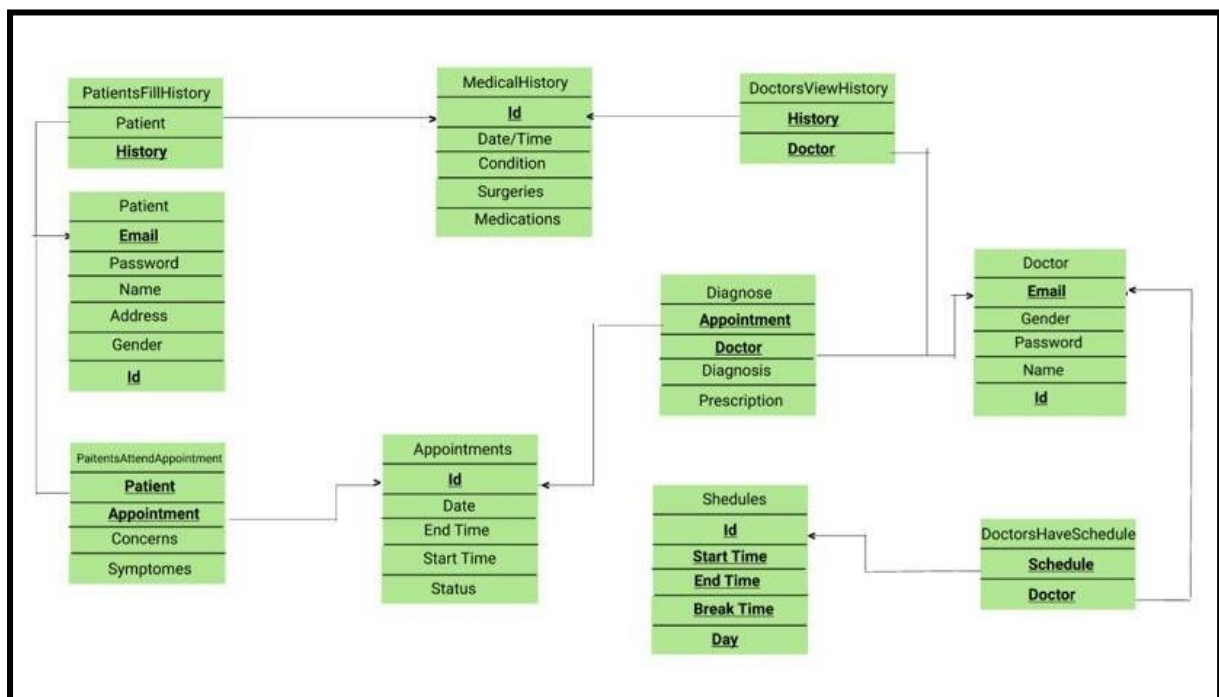
Implementational Details:

DBMS: RDBMS

Implementation Method: MySQL

Reasons for choosing RDBMS:

RDBMS allows users to interpret data easily by storing it in a clear table format. It provides easy usability and maintainability. Admins can control and update data into the database easily, which is required each time a new patient's records must be entered. It also reflects changes at every required location and saves a lot of time.

Reasons for choosing MySQL:

One of the major reasons to choose MYSQL is on-demand Scalability. Since the data produced can vary, scalability is one of the most important features in hospital management system. As we have seen during covid times, huge spike in number of patients was seen, and hence the data produced also increased. Now, due to a reduction in number of covid cases, comparatively less data is produced. Also, MySQL's security feature and data backup features which facilitate point-in-time recovery makes it one of the best choices for our project.