HTTP – 5112: Project Proposal

1. My project is about managing a financial institute’s data.
2. The database has 4 tables, 2 procedures, 2 views and 2 triggers.
3. The tables are admin table, client table, loan table, and secured card table.
   1. The Admin table have an admin\_id(Primary key), name(Varchar), email(varchar),password(varchar).
   2. The client table have client\_id(primary key), name(Varchar), email(varchar), address(varchar), password(varchar).
   3. The loan table have id(primary key), account\_number(bigint), loan\_amount(int), current\_balance(int), due\_date(date), and the client\_id as foreign\_key)
   4. The secured card table have id(primary key), account\_number(bigint), credit\_limit(int), current\_balance(int), credit\_remaining(int), due\_date(date), and the client\_id as foreign\_key)
4. To normalize the data, I have added the client\_id as a foreign key in both loan and secured card tables.
5. I have created 2 procedures to easily update the balance and due date in accounts tables.
6. To simplify the process of checking accounts with passed due date, I have created 1 view for each of the account table, which will create a view for displaying accounts with passed due date.
7. After updating the current balance, users may need to check the previous balance. So for that, I have created 2 triggers to keep log of the old balance and new balance for both accounts.
8. The estimated time for creating this database is approximately 5 hours or less.