

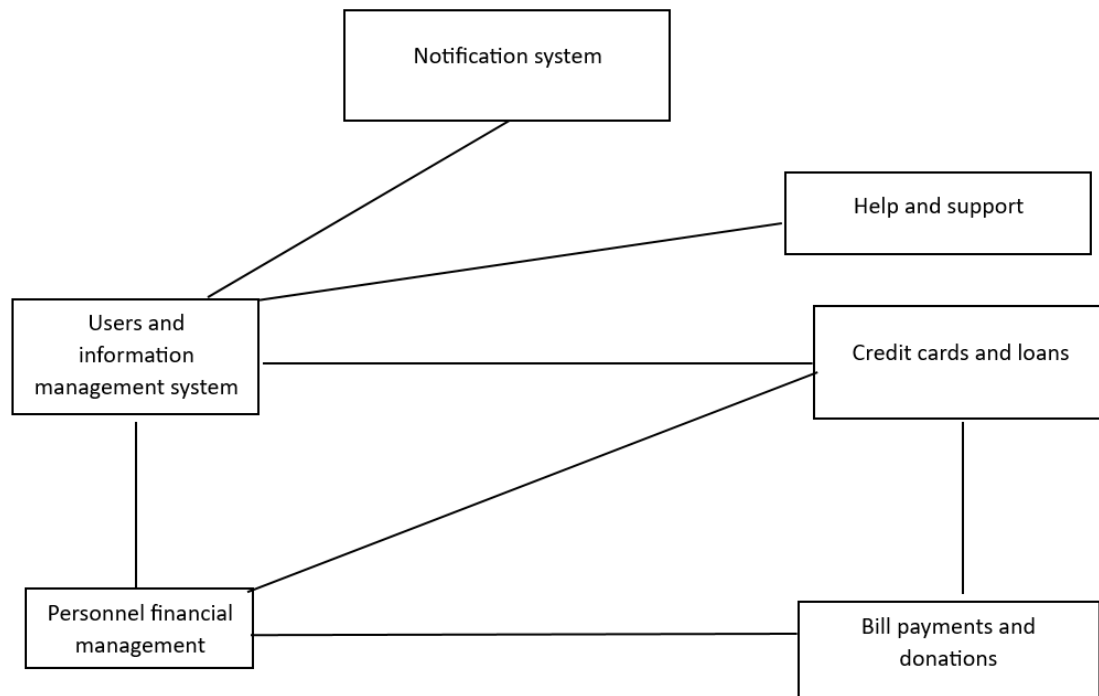


## **Software Engineering Milestone 2**

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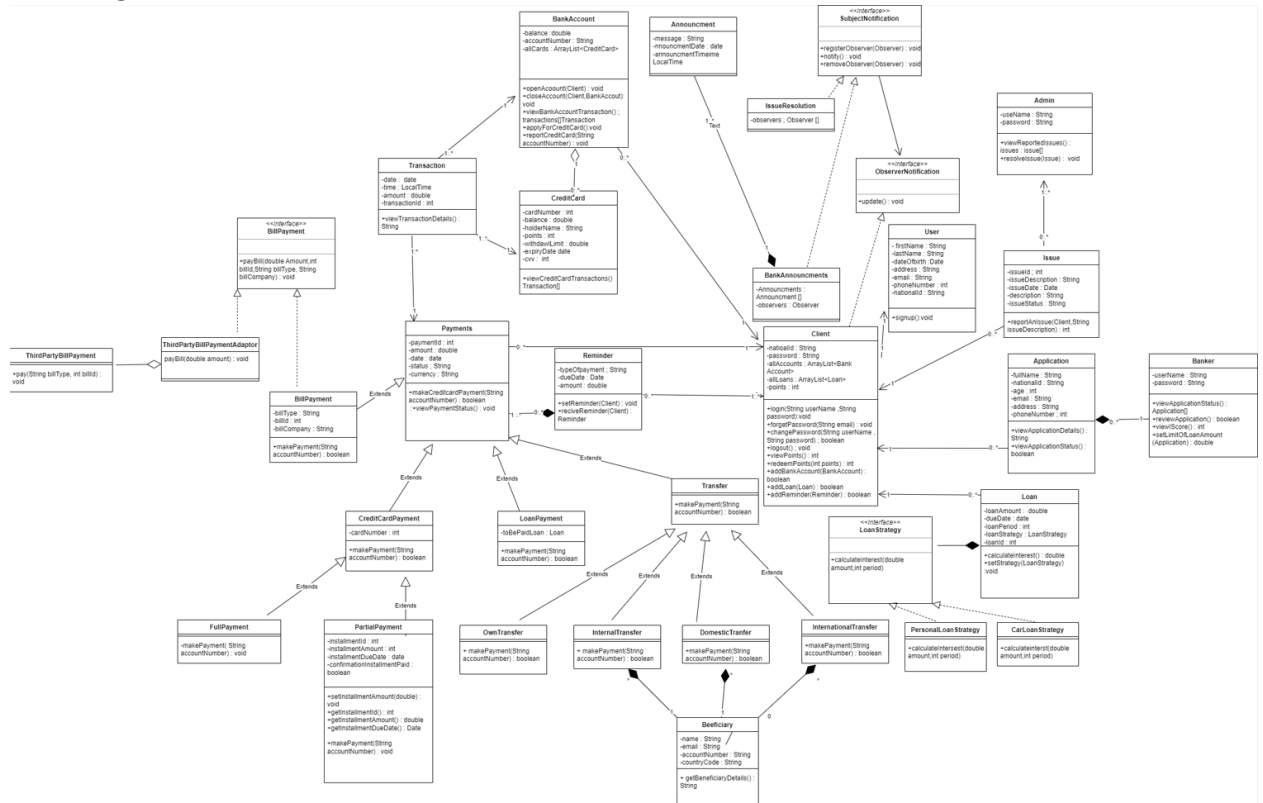
1) **Component diagram :**



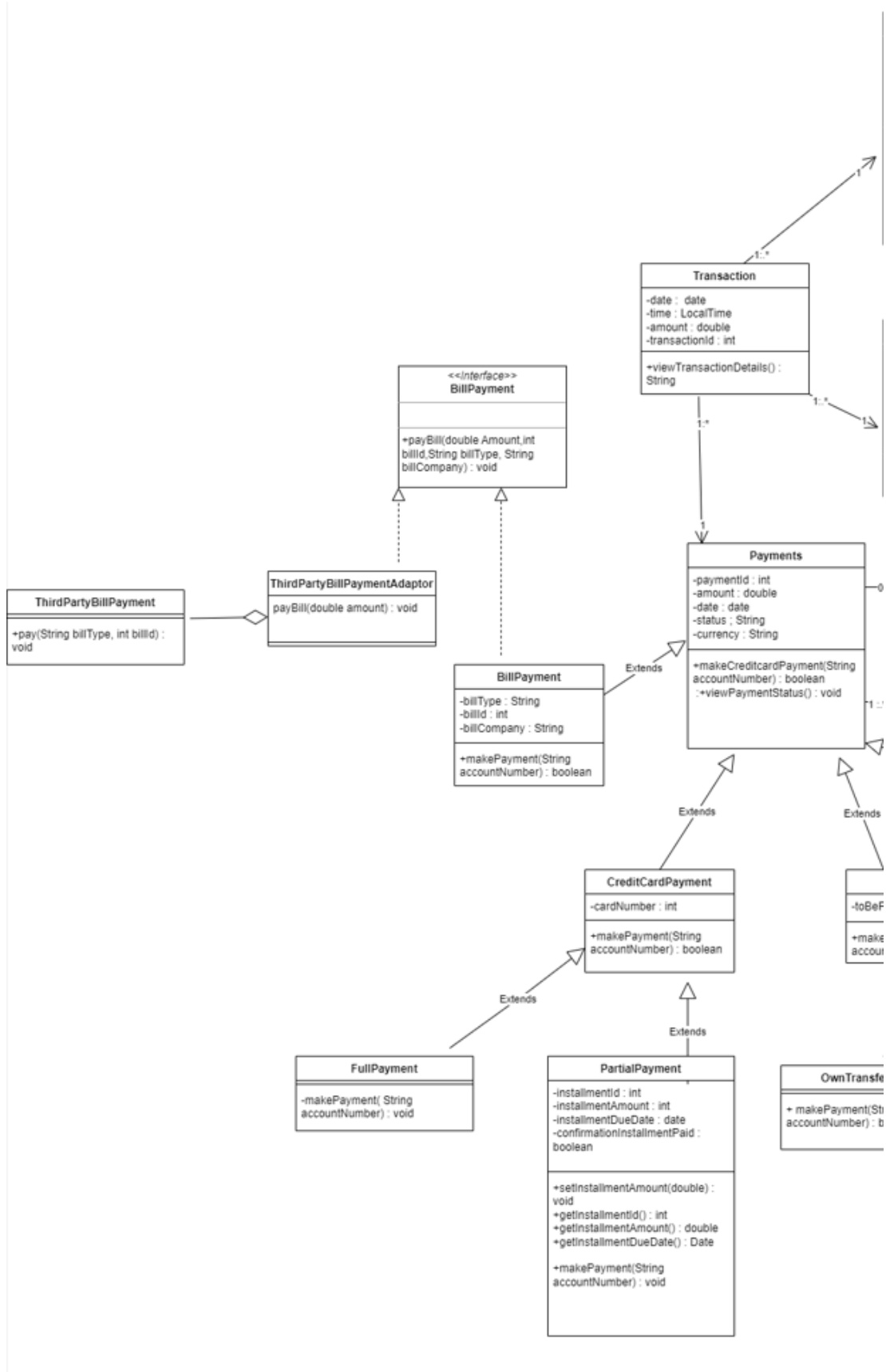
**Description:**

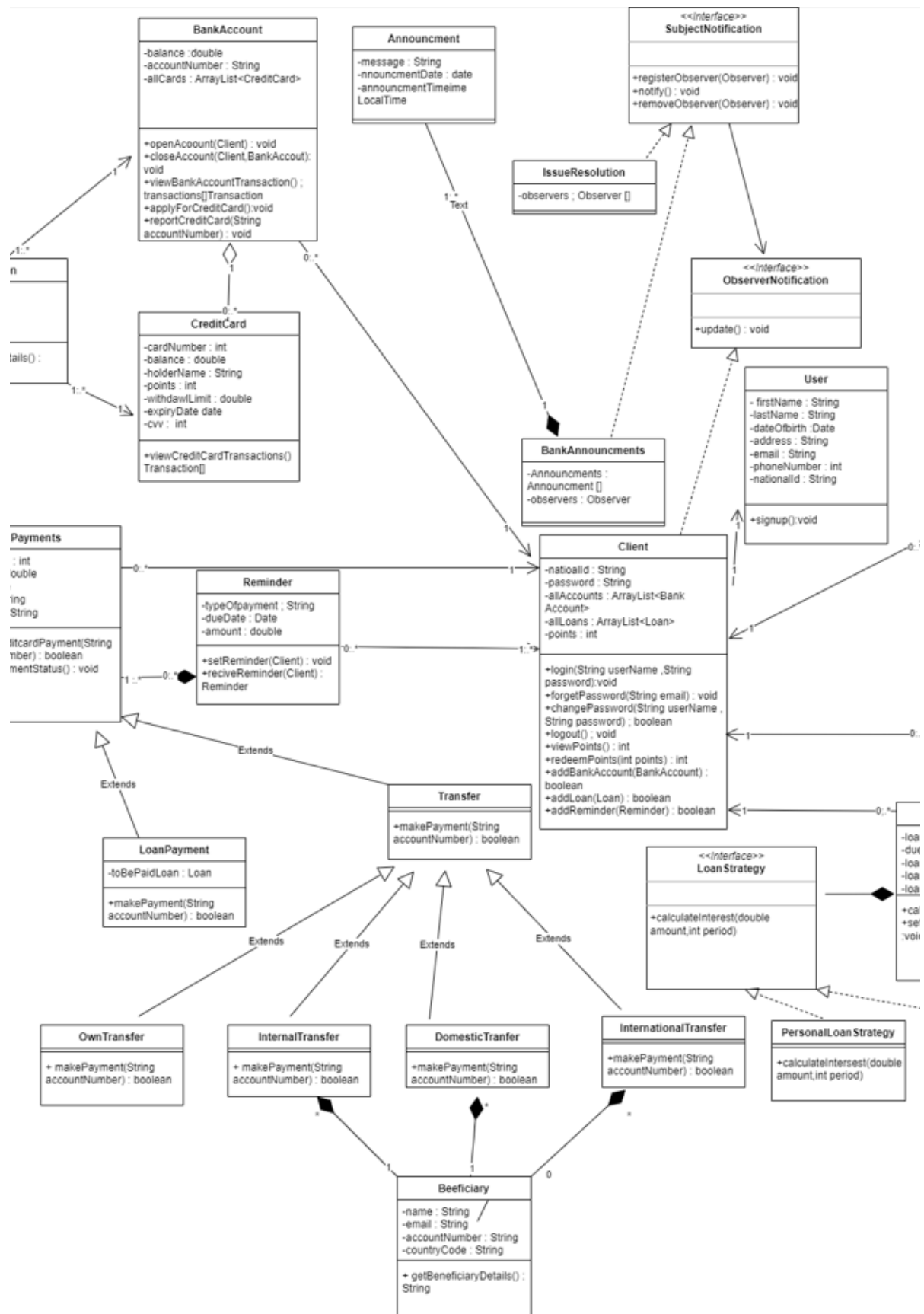
- Users and information management system is related to credit cards and loans as the user can check their loan status, and credit card transaction history.
- User and information management system is related to personal financial management as the user can check each and every financial detail as soon as he logs in such as the balance available in their account, account activity, and amounts due if any are available.
- Credit cards and loans are related to personal financial management as the loan application and/ or payment should appear in the account activity.
- Credit cards and loans are related to bill payments and donations as the user can issue a credit card or take a loan to pay bills or donate to their favorite charities.
- Personal financial management is related to bill payments and donations as the user can be able to check the remaining balance after donations and/or bill payments. Also, the user can use the points or rewards he earned to pay a bill or transfer a donation.
- Users and information management system is related to help and support, including the FAQ section and the Chabot.
- Notification system is related to user and information management system when any transaction happens, a notification for the transaction should be sent to the user (such as OTP sent when doing online transactions, SMS sent when withdrawals occur).

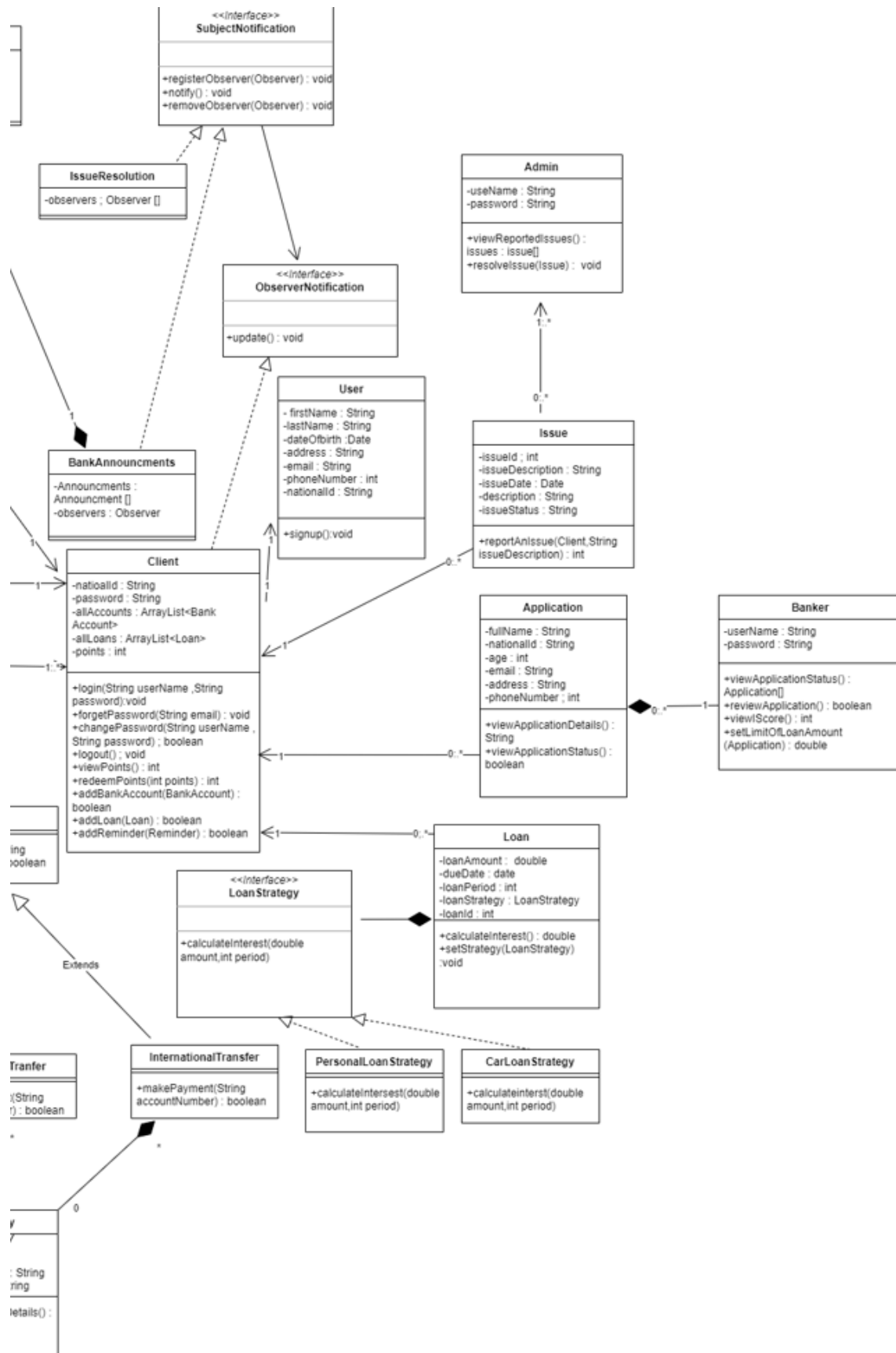
## 2) Class diagram:



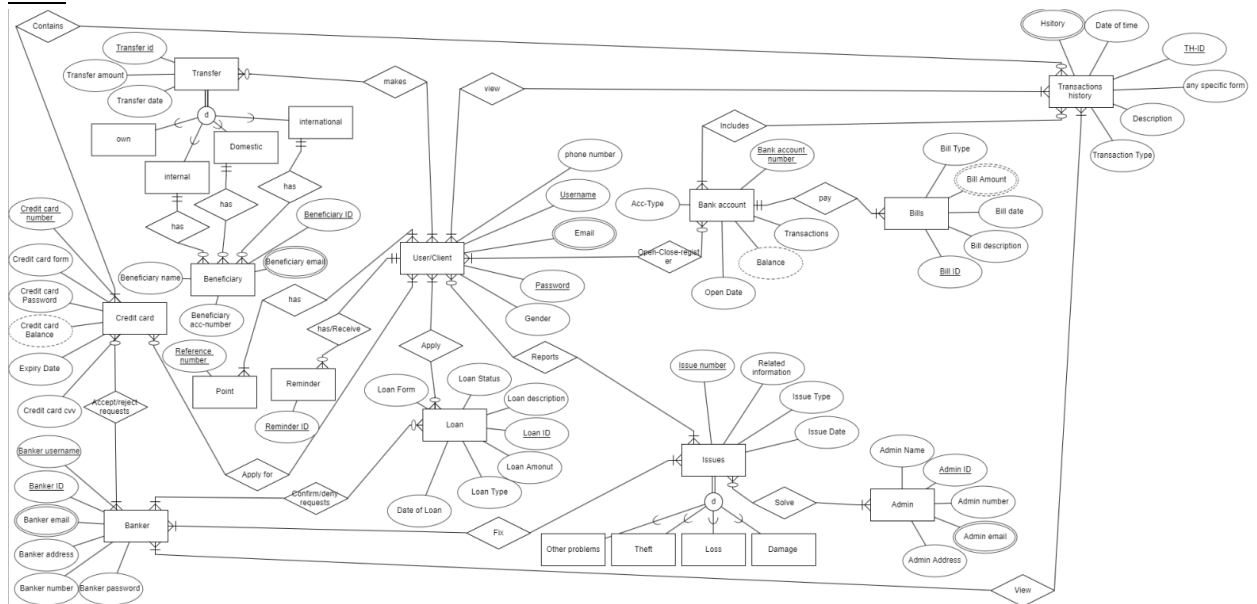
## More details:



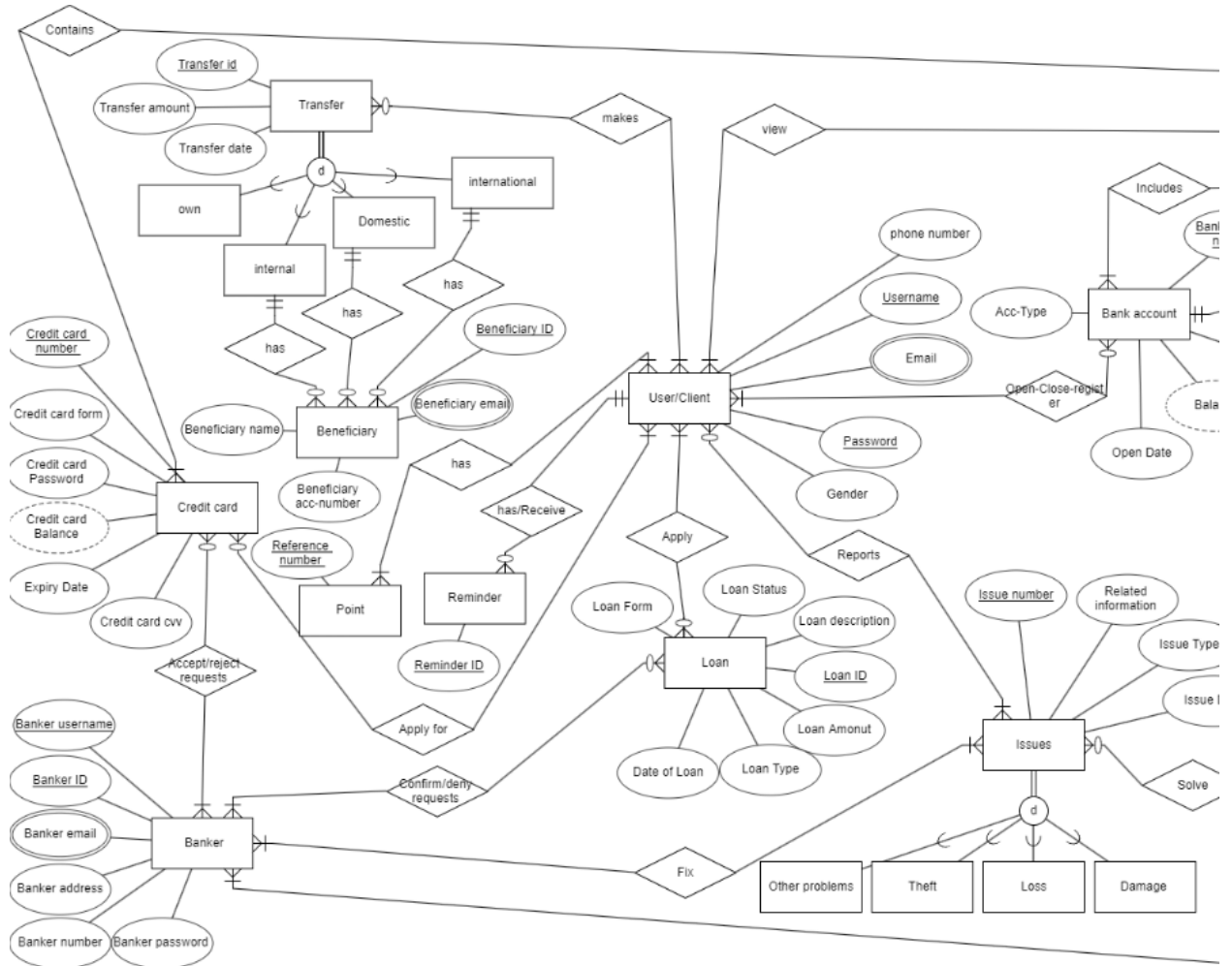




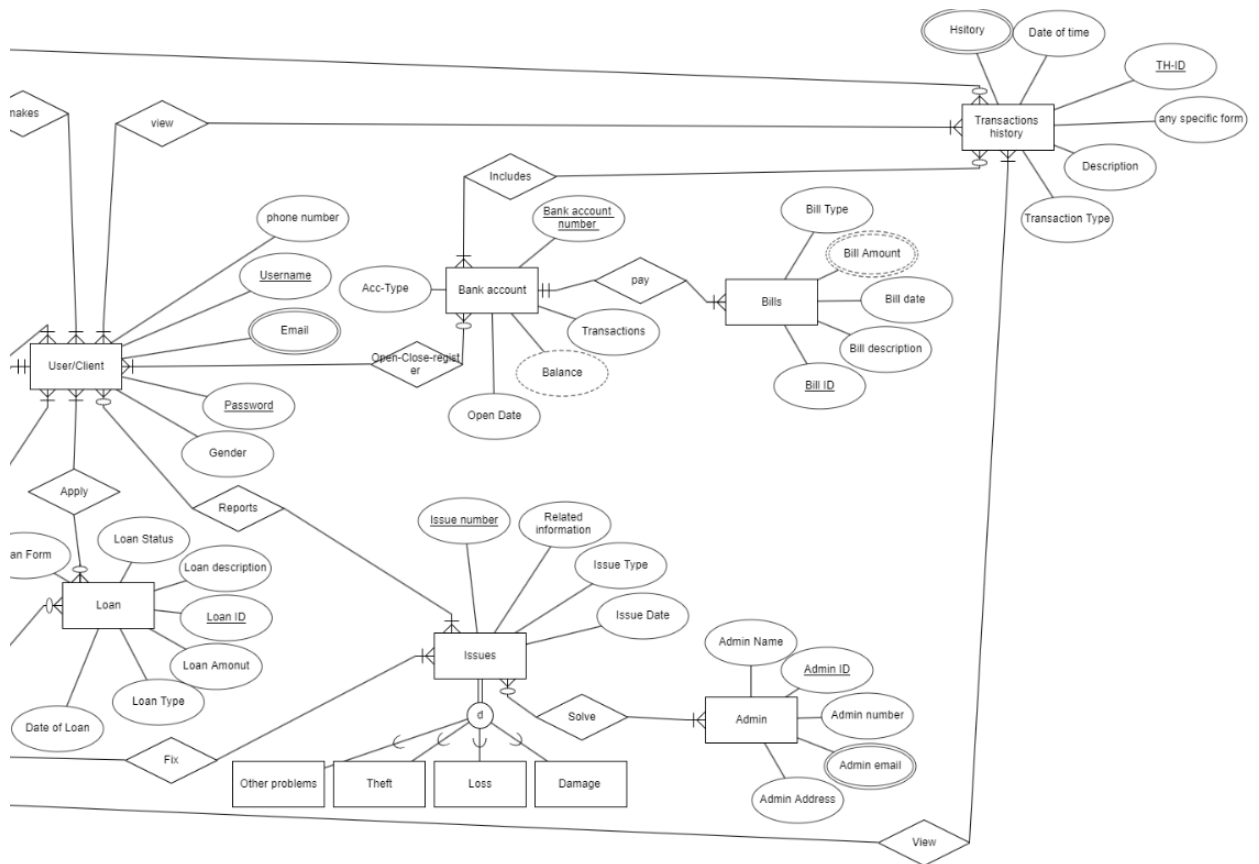
### 3) ERD:



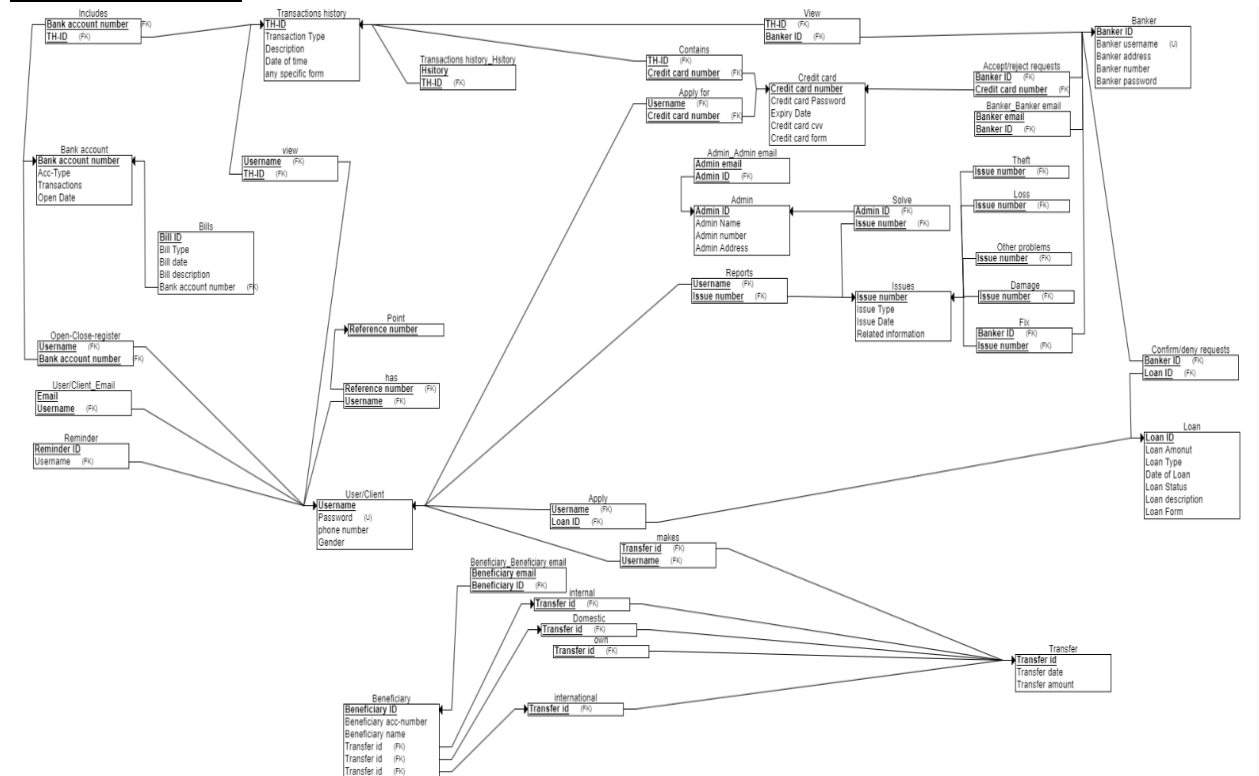
## More details:







#### 4) Relational schema:



**More details:**

