Xyz bank corporation would like to design an application to automate their account services.

ACCOUNT

CUSTOMER

TRANSACTION

Rule of defining a class :

Account class must have balance and account number as property which should not be modified directly . Updating a balance must be done via either deposit or withdraw method .

You have to create an interface SERVICE which will define static funds transfer and service function .

Service function must be defined and used without modifying it which will take service arguments as type of service(apply for new cheque book[account\_number, no.of.cheque required in cheque book], apply for any type of loan [base amount, period]) must generate a service request no and return that customer\_name\_first\_twoletter+randomnumber

Withdraw , deposit ,service(loan),

service(cheque\_request), funds\_transfer

Customer class is simple bean class carrying personal details and this customer object need to be passed while creating an account

Transaction class: id, account\_number , date , amount ,type\_of\_transaction

When ever any transaction over an account takes place you must pass a transaction object as empty object an collect all data of transaction

Association / inheritance / coupling between classes