# Banking Transaction & Reporting

Kelly is applying for current account in OX Bank. She is depositing $2500 when she opened the account.

Kelly travelled to Singapore for vacation, when she went to shopping mall.

* She had her lunch which is billed of 25$.
* She spent 1990$ for Jewellery, but the transaction was failed due to the condition mentioned below.
* She spent 100$ for buying some cloths.
* She spent 250$ for buying a Mobile phone for her father, she left the shop and Immediately she remembered she need a memory card for the mobile, so she tries to pay within 3 minutes and that transaction failed due to the condition mentioned below.
* She wants to see the last 5 transactions which she has done. (US2)
* She also checks the statement of past 2 days. (US2)

### Use Case 1:

* Add Customer details such as {Name, Mobile Number, Address {Building No., Apartment Name, Street Name, Pin code, City & State}, Gender}
  + Condition 1: Can have maximum of 2 Accounts under him/her.
    - If User trying to create one more account, throw exception “Maximum Account Limit Exceeds!!”. With HttpStatus Code as 200.
* Perform Credit and Debit transaction with the following condition.
  + Condition 1: Should maintain minimum balance of 500$, if the transaction is exceeding the minimum balance condition then throw exception saying “Minimum balance limit exceeds!!” and cancel the transaction.
  + Condition 2: Cannot spent more than 250$ for Single Transaction.
  + Condition 3: Cannot spent more than 2 transactions within 3 minutes.
    - If transaction is happening within 3 minutes, throw exception message saying “Transaction Cannot happen within 3 minutes.” With status code as 500.

### Use Case 2:

* Get the Transaction reports based on the date and time range.
* Get the Transaction reports based on fixed limit.