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Project- Individual Part 2
Set of User Requirements Being Diagrammed
Use Case 1- UR-07 and UR-08 Regarding the User Requirements of Transferring Money Between Accounts
Use Case 2- BR-01 and UR-01 Regarding the Creation and Acceptance of Accounts
2.26.2017

User Requirements				
ID	Requirement	Topic Area	Actor	Priority
UR-07	Customer can transfer money from checking and savings account	Business	Customer	Medium
UR-08	As a customer, I want to transfer money to other customer's accounts. So as to transfer money to friends and creditors.	Business	Customer	Medium
UR-01	Customers can register with initial savings account	Business	Customer	High
BR-01	Customer account created only after Manager's approval	Business	Manager	Medium

REQUIREMENTS DEALING WITH USE CASE INVOLVING TRANSFERRING BETWEEN ACOUNTS

ID	UR-07
Name	Transfer Money Between Accounts
Description	Customer can transfer funds between one checking or savings account into another checking or saving account.

Actors:	Customers
Pre Conditions:	Customer wants to transfer money between their accounts.
Post Conditions:	The money is transferred between the accounts.
Frequency:	A regular but variable occurrence but probably only happens a few times a month for each customer.
Flow of Events:	

Step	Actor Action	System Response
1	Customer Logins	Customer is granted access to accounts.
2	Customer Choses Account to Transfer From and To and the amount that is to be transferred	System is able to find the accounts and see the funds are available.
3	Customer Authorizes the Transfer	The System Transfers the money and takes the

	Customer back to where they accessed their accounts.
Variations:	1. The Customer is denied access because of wrong credentials. 2. There isn't enough money to be transferred between accounts.

Exceptions:	
Developer's Notes:	

ID	UR-08
Name	Transfer Money To An Account of Another Customer
Description	As a customer, I want to transfer money to other customer's accounts. So as to transfer money to friends and creditors.

Actors:	Customers
Pre Conditions:	Customer wants to transfer money to another customer's account.
Post Conditions:	The money is transferred between the accounts.
Frequency:	A regular but variable occurrence but probably only happens a few times a month for each customer.
Flow of Events:	

Step	Actor Action	System Response
1	Customer Logins	Customer is granted access to accounts.
2	Customer Choses Account to Transfer From and To and the amount that is to be transferred. Also chooses the customer of whom's account	System is able to find the customer, the account of both from and to and see the funds are available.

		shall receive money. They cannot transfer from another customer's account.	
	3	Customer Authorizes the Transfer	The System Transfers the money and takes the Customer back to where they accessed their accounts.
Variations:	1. The customer the customer wants to give money to doesn't exist in the system 2. They can't log in with their credentials. 3. There isn't enough money to be transferred from their account to another.		

Exceptions:	The customer may transfer from another account if they are also on the other account they are transferring from. This would be functionally the same as transferring between two accounts owned by the same customer.
Developer's Notes:	

USER REQUIREMENTS FOR THE USE CASE INVOLVING ACCOUNT CREATION AND APPROVAL

ID	BR-01
Name	Account Approval
Description	Customer Account Only Created After Manager Approval

Actors:	Customers and Managers
Pre Conditions:	Customer wants to join the bank.
Post Conditions:	The manager either allows the customer to join or doesn't
Frequency:	Once for each customer. Frequent on system.
Flow of Events:	

Step	Actor Action	System Response
1	The Manager logs in	The System takes Manager to Managemen t area
2	The Manager pulls up the stored registration	The system prompts the manager to make an election upon the chosen registration.
3	The manager makes the election	The System either creates the customer or not.

Variations:	1. The Manager has incorrect credentials and can't log in.

Exceptions:	
Developer's Notes:	

ID	UR-01
Name	Manager can accept/deny loan application
Description	Managers renders a decision either to accept or deny a loan application.

Actors:	Customer
Pre Conditions:	A customer wants to open an account.
Post Conditions:	The customer is a customer of the bank.
Frequency:	An occasional occurrence
Flow of Events:	

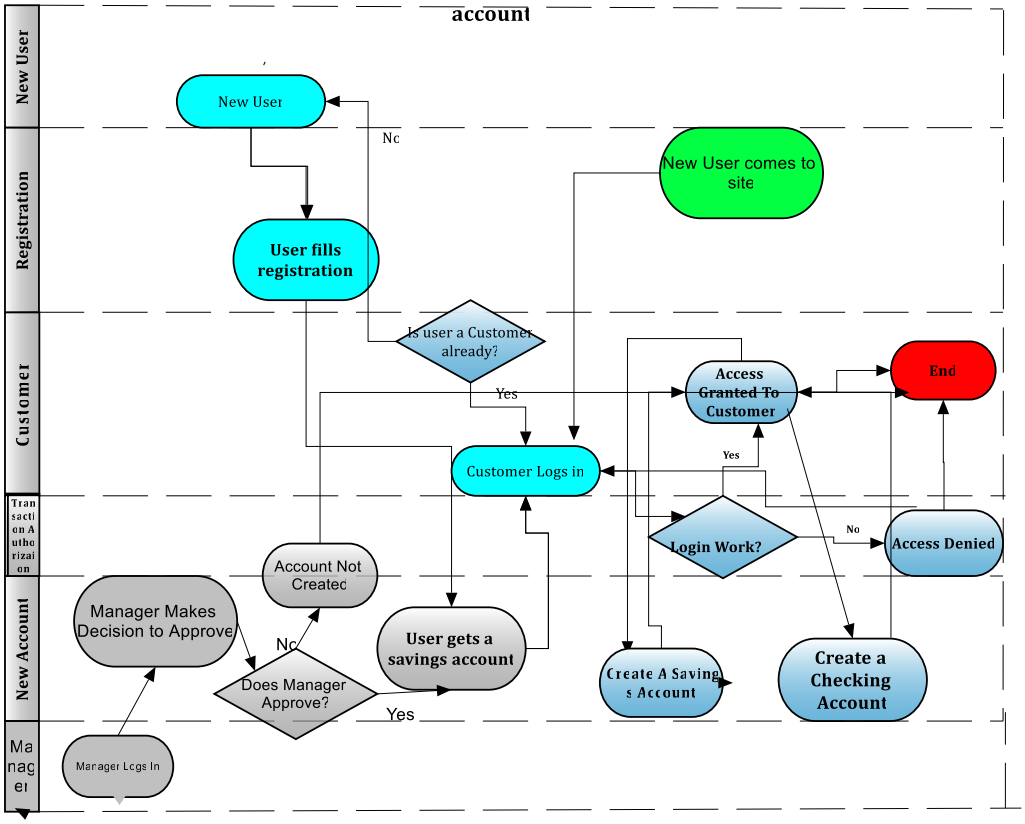
Step	Actor Action	System Response
1	New User Registers for an account	The system prompts them to register and fill out a basic savings account.
2	The Customer Submits Registration to join and have a savings account.	The system stores the registration and awaits manager's decision

	3	The manager renders a decision	The system responds to the decision accordingly.
Variations:			

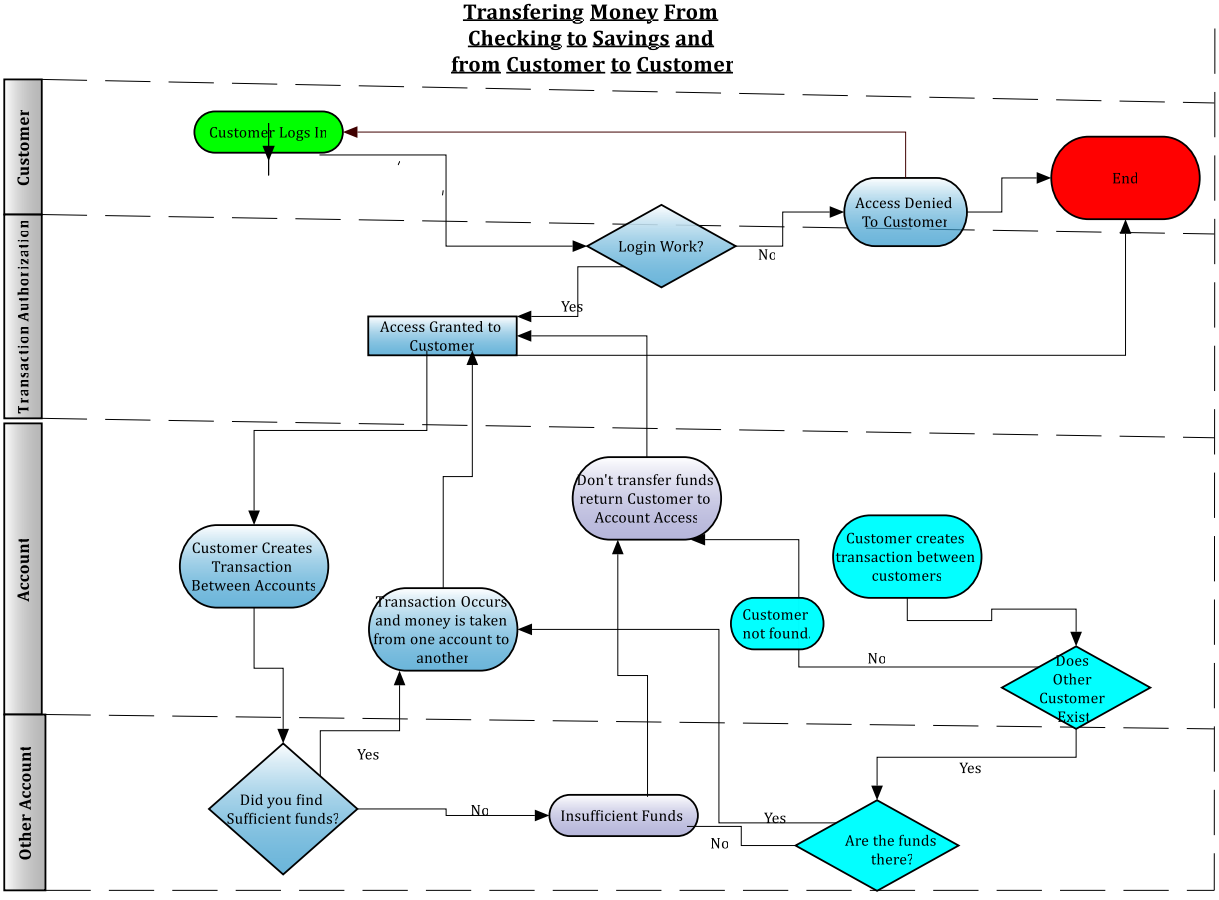
Exceptions:	
Developer’s Notes:	

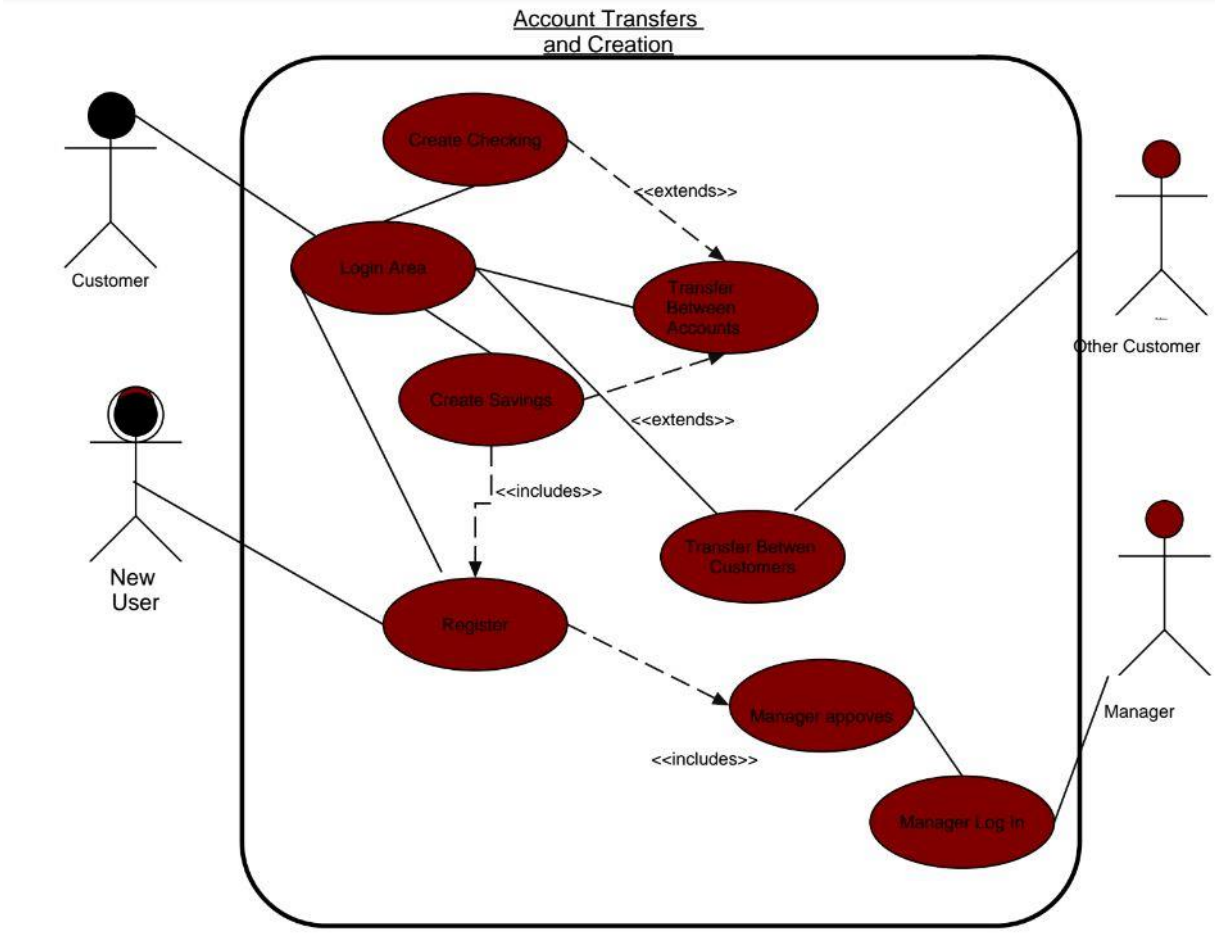
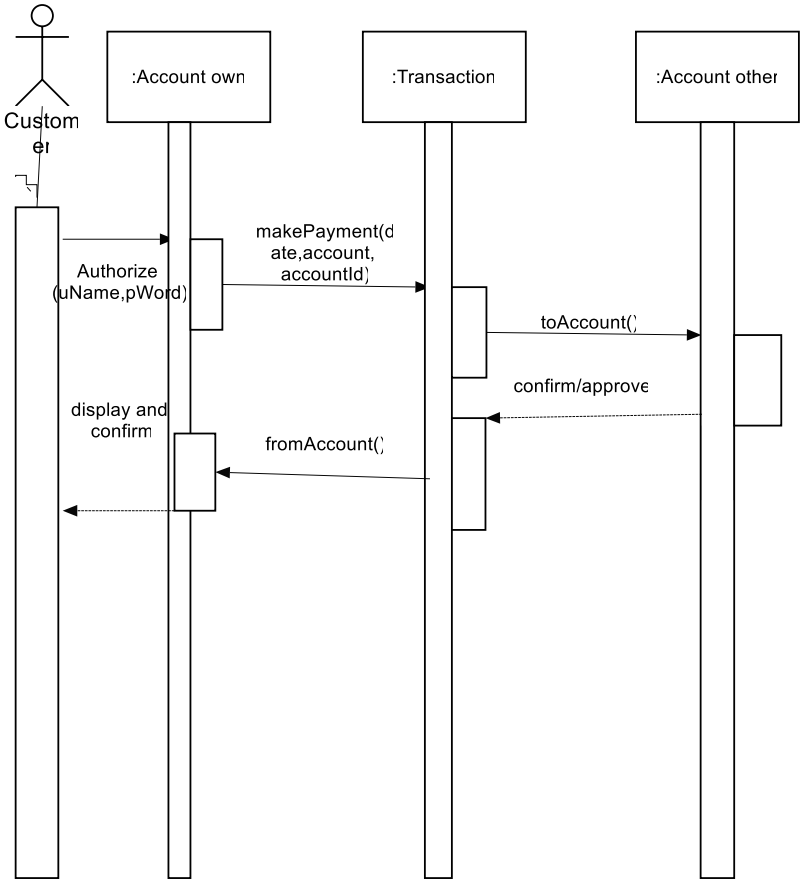
Activity Diagram

User registers and creates a new account



Transfering Money From Checking to Savings and from Customer to Customer




Account Transfers and Creation
Customer
New User
Other Customer
Manager
Create Checking
<<extends>>
Login Area
Transfer Between Accounts
Create Savings
<<extends>>
<<includes>>
Transfer Betwen Customers
Register
Manager appoves
<<includes>>
Manager Log In

Sequence Diagram for Use Case with Requirements UR07, UR08 Account Transfers