

OOP Bank System Integration Test Cases and Sample Data

Here we created some test cases and sample data for the main functions

1. Create customers as follows:

Id (system generated)	Name	address
1	Tom	Seattle
2	Jerry	Kenmore
3	Adam	Redmond
4	Susan	Bellevue
5	Lisa Hiller	Kirkland
6	Sam Hiller	Kirkland
7	Alice	Seattle

2. Create Accounts and then process transactions (deposit/withdraw)

Customer id	Account type	Initial balance	Account-no (system generated)	Deposit/with drawal	Ending balance
1	c	500			500
1	s	2000			2000
2	c	200			200
2	s	1500			1500
2	s	600			600
3	s	1000	30714	+500 +700	2200
4	c	500	20715	+800 -100	1200
5	s	1999			1999

(5 6) shared	c	300	20719	+500 -200	600
6	s	600			600
6	s	500	30718	+1000 -400	1500

As a result, here is the saving accounts' total ending balance of the sample customer's (id = 1,2,3,4,5,6). This will be used in the test case for credit card application approval

Customer ID	Account type	Total ending balance
1	savings	2000
2	savings	2100
3	savings	2200
4	savings	0
5	savings	1999
6	savings	1700

3. Credit card application approval (savings >2000)

- Assume all the sample customers (id = 1 to 6) have applied credit cards.
- Assume only customer whose total saving account balance is equal or great than 2000 , will be approved

The card_application queue will have entries for customer where id is between 1-6. Based on the total saving account balance obtained in step 2, the expected results will be as follows

Customer_id	apply_date	Total ending balance	Expected approval result
1	2022-02-12	2000	approved
2	2022-02-12	2100	approved
3	2022-02-12	2200	approved
4	2022-02-12	0	rejected

5	2022-02-12	1999	rejected
6	2022-02-12	1700	rejected

4. Employee

Create employee as follows:

Name	Login (system generated)	Password (system generated)
Lucas		
Henry		