

Test Case #1: Create User

| Step # | Steps | Expected Result |
|--------|-------------------|------------------------------|
| 1. | Observe Main Menu | (1)Admin (2)Customer |
| 2. | Enter "1" | |
| 3. | Enter "1" | Prompt for customer username |
| 4. | Enter "Bob Smith" | Prompted for password |
| 5. | Enter "feather" | Show admin menu |

Test Case #2: Create Savings Account

| Step # | Steps | Expected Result |
|--------|-------------------|-----------------------------|
| 1. | Observe Main Menu | (1)Admin (2)Customer |
| 2. | Enter "1" | |
| 3. | Enter "0" | (0) Bob Smith |
| 4. | Enter "1" | (0) Checking (1) Savings |

Test Case #3: Create Checking Account

| Step # | Steps | Expected Result |
|--------|-------------------|-----------------------------|
| 1. | Observe Main Menu | (1)Admin (2)Customer |
| 2. | Enter "2" | |
| 3. | Enter "0" | (0) Bob Smith |
| 4. | Enter "0" | (0) Checking (1) Savings |

Test Case #4: Admin Menu Go Back

| Step # | Steps | Expected Result |
|--------|--------------------|---|
| 1. | Observe Admin Menu | (1)Create customer (2)Create new customer account (3)View all customer transactions (4)View all bank data (5)Suspend customer account (9)Go back (0)EXIT SYSTEM |
| 2. | Enter "9" | View main menu |

Test Case #5: Admin Menu Exit System

| Step # | Steps | Expected Result |
|--------|--------------------|---|
| 1. | Observe Admin Menu | (1)Create customer (2)Create new customer account (3)View all customer transactions (4)View all bank data (5)Suspend customer account (9)Go back (0)EXIT SYSTEM |
| 2. | Enter "0" | Exit System |

Test Case #6: Customer Add Funds to Savings

| Step # | Steps | Expected Result |
|--------|-----------------------------------|-----------------------------|
| 1. | Observe Main Menu | (1)Admin (2)Customer |
| 2. | Enter "2" | Show customer login |
| 3. | Enter "Bob Smith" press enter key | |
| 4. | Enter "feather" press enter key | Show Customer menu |
| 5. | Enter "1" | Prompted for amount |
| 5. | Enter "350.32" | Show Customer menu |
| 6. | Enter "4" | Show transfer logs (350.32) |

Test Case #7: Customer Withdraw Funds from Savings

| Step # | Steps | Expected Result |
|--------|-----------------------------------|-----------------------------|
| 1. | Observe Main Menu | (1)Admin (2)Customer |
| 2. | Enter "2" | Show customer login |
| 3. | Enter "Bob Smith" press enter key | |
| 4. | Enter "Feather" press enter key | Show Customer menu |
| 5. | Enter "2" | (0) Checking (1) Savings |
| 6. | Enter "1" | Prompted to enter amount |
| 5. | Enter "50.32" | Show Customer menu |
| 6. | Enter "4" | Show transfer logs (50.32) |

Test Case #8: Customer Transfer Funds from Savings to Checkings

| Step # | Steps | Expected Result |
|--------|-----------------------------------|-----------------------------------|
| 1. | Observe Main Menu | (1)Admin (2)Customer |
| 2. | Enter "2" | Show customer login |
| 3. | Enter "Bob Smith" press enter key | |
| 4. | Enter "Feather" press enter key | Show Customer menu |
| 5. | Enter "2" | (0) Checking (1) Savings |
| 6. | Enter "3" | Show accounts |
| 5. | Enter "1" | Show other accounts |
| 6. | Enter "2" | Prompt for transfer amount |
| 7. | Enter "300.00" | Show customer menu |
| 8. | Enter "4" | Show transfer log (-300)(+300) |

Test Case #9: Customer Menu Go Back

| Step # | Steps | Expected Result |
|--------|-----------------------|--|
| 1. | Observe Customer Menu | (1)Add funds (2)Withdraw funds (3)Transfer funds (4)View transfer log (9)Go back (0)EXIT SYSTEM |
| 2. | Enter "9" | View main menu |

Test Case #10: Customer Menu System Exit

| Step # | Steps | Expected Result |
|--------|-----------------------|--|
| 1. | Observe Customer Menu | (1)Add funds (2)Withdraw funds (3)Transfer funds (4)View transfer log (9)Go back (0)EXIT SYSTEM |
| 2. | Enter "0" | System exit |

Test Case #11: Suspended login

| Step # | Steps | Expected Result |
|--------|--------------------|--|
| 1. | Observe Main Menu | (1)Admin (2)Customer |
| 2. | Enter "1" | |
| 3. | Enter "5" | Show usernames |
| 4. | Select "Bob Smith" | User account blocked. Show Admin menu |
| 5. | Enter "9" | Show main menu |
| 6. | Enter "2" | Show login |
| 7. | Enter "Bob Smith" | Show password |
| 8. | Enter "feather" | Account Blocked |

Test Case #12: Failed login

| Step # | Steps | Expected Result |
|--------|-------------------|--|
| 1. | Observe Main Menu | (1)Admin (2)Customer |
| 2. | Enter "2" | Show login |
| 4. | Enter "Bob Smith" | Prompted for password |
| 5. | Enter "Fe" | Failed login attempt Show main menu |

Test Case #13: Show all customer transactions

| Step # | Steps | Expected Result |
|--------|-------------------|------------------------------|
| 1. | Observe Main Menu | (1)Admin (2)Customer |
| 2. | Enter "1" | |
| 3. | Enter "3" | Display 3 logs from previous |
| 4. | Enter "9" | Show main menu |

Test Case #14: Show all bank transactions

| Step # | Steps | Expected Result |
|--------|-------------------|---------------------------------|
| 1. | Observe Main Menu | (1)Admin (2)Customer |
| 2. | Enter "1" | |
| 3. | Enter "4" | Display logs for multiple users |
| 4. | Enter "9" | Show main menu |