| A#: | Name: | Contribution: | Contribution %: |
| --- | --- | --- | --- |
| A20581495 | Alex Jun | UML Diagram  Test Plan  BankAccountTest.java | 50% |
| A20587300 | Arnav S Sirigere | Bank Account Menu (Main.java)  Bank account class  (BankAccount.java) | 50% |

UML Diagram:

| BankAccount |
| --- |
| - balance: double  - interestRate: double  - interest: double |
|
|
| + BankAccount(startBalance: double, intRate: double)  + deposit(amount: double): void  + withdraw(amount: double): void  + addInterest(): void  + getBalance(): double  + getInterest(): double |
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Test Plan:

| Test Case | Test Scenario | Input | Expected Output |
| --- | --- | --- | --- |
| 1 | Check initial balance after account creation | Starting balance  = 1000 | Current balance in bank account : $1,000.00 |
| 2 | Deposit money | Deposit amount  = 500 | Successfully deposited $500.00 into bank account! |
| 3 | Withdraw money | Withdraw amount  = 200 | Successfully withdrew $200.00 from your bank account! |
| 4 | Add interest to account | Balance = 1000, Interest Rate = 0.25 | Amount of interest earned is $2.50. New Balance is $1,002.50. |
| 5 | Test invalid menu option | Enter invalid action | Please enter a valid action! (B/D/W/I/E) |
| 6 | Exit the program | Select option ‘E’ | Exiting bank account menu... |