**Maintain Customer Checking Account**

Get Opening Banking Info from File

Calculate Current Balance

Get Perform Choice from User

Process User Choice

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**Get Opening Banking Info from File**

Get bankName from reportFile

Get bankAddress from reportFile

Get bankCityStateZip from reportFile

Get bankSlogan from reportFlie

Get customerName from reportFile

Get customerAddress from reportFile

Get customerCity from reportFile

Get customerState from reportFile

Get customerZip from reportFile

Get startingBalance from reportFile

**Calculate Current Balance**

Set transactionAmounts to 0.00

Do until end of transactions

Get transactionType from reportFile

Get transactionAmount from reportFile

If transactionType is equal to ‘D’

Set transactionAmounts to transactionAmounts + transactionAmount

If transactionType is equal to ‘A’

Set transactionAmounts to transactionAmounts + transactionAmount

If transactionType is equal to ‘T’

Set transactionAmounts to transactionAmounts - transactionAmount

If transactionType is equal to ‘B’

Set transactionAmounts to transactionAmounts – transactionAmount

Set currentBalance to beginningBallance + transactionAmounts

**Process Each Task**

While userChoice is not equal to ‘Q’

Get User Choice

Process User Choice

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**Get User Choice**

Display “How can we help you today?”

“(A)dd Transaction”

“(P)rint Monthly Statement”

“(D)isplay Current Balance”

“(S)tart New Month

“(Q)uit”

**Process User Choice**

If userChoice is A

Add Transaction

If userChoice is P

Print Monthly Statement

If userChoice is D

Display Current Balance

If userChoice is S

Start New Month

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**Add Transaction**

Get Transaction Choice from User

Perform Transaction Choice

**Print Monthly Statement**

Display bankName to user

Display bankAddress to user

Display bankCityStateZip to user

Display bankSlogan to user

Display “Name: “ customerName to user

Display “Address: “ customerAddress to user

Display “City: “ customerCity to user

Display “State: “ customerState to user

Display “Zip: “ customerZip to user

Display “Starting Bal: $” startingBalance to user

For each transaction

Get transactionDetails from reportFile

Get transactionType from reportFile

Get transactionDate from reportFile

Get transactionAmount from reportFile

Display transactionDetails to user

Display “Transaction Type: “ transactionType to user

Display “Date: “ transactionDate to user

Display “Amount: transactionAmount to user

Display “Current Bal: $” currentBalance to user

**Display Current Balance**

Display “Current Account Balance: $”to User

Display currentBalance to User

**Start New Month**

Overwrite reportFile

Write bankName to reportFile

Write bankAddress to reportFile

Write bankCityStateZip to reportFile

Write bankSlogan to reportFlie

Write customerName to reportFile

Write customerAddress to reportFile

Write customerCity to reportFile

Write customerState to reportFile

Write customerZip to reportFile

Write currentBalance to reportFile

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**Get Transaction Info**

Display “What Transaction Are You Doing?

(D)eposit

(C)heck

(W)ithdrawal

(T)ransfer” to user

Get transactionType from user

Display “Please Put the Details of Your Transaction” to user

Get transactionDetails from user

Display “Put Transaction Date” to user

Get transactionDate from user

**Perform Transaction**

If transactionType is ‘D’

Deposit

If transactionType is ‘C’

Check

If transactionType is ‘W’

ATM Withdrawal

If transactionType is ‘T’

Transfer

If currentBalance is less than 250.00

Write “Low Balance Fee.” to reportFile

Write ‘B’ to reportFile

Write transactionDate to reportFile

Write LOW\_BAL\_FEE to reportFile

Set currentBalance to currentBalance – LOW\_BAL\_FEE

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**Deposit**

Set currentBalance to currentBalace + transactionAmount

Write transactionDetails to reportFile

Write transactionType to reportFile

Write transactionDate to reportFile

Write transactionAmount to reportFile

**Check**

Set currentBalance to currentBalace - transactionAmount

Write transactionDetails to reportFile

Write transactionType to reportFile

Write transactionDate to reportFile

Write transactionAmount to reportFile

**ATM Withdrawal**

Set currentBalance to currentBalace - transactionAmount

Write transactionDetails to reportFile

Write transactionType to reportFile

Write transactionDate to reportFile

Write transactionAmount to reportFile

Write “ATM Withdrawal Fee.” to reportFile

Write ‘B’ to reportFile

Write transactionDate to reportFile

Write ATM\_FEE to reportFile

Set currentBalance to currentBalance – ATM\_FEE

**Transfer**

Set currentBalance to currentBalace - transactionAmount

Write transactionDetails to reportFile

Write transactionType to reportFile

Write transactionDate to reportFile

Write transactionAmount to reportFile

Write “ATM Withdrawal Fee.” to reportFile

Write ‘B’ to reportFile

Write transactionDate to reportFile

Write TRANSFER\_FEE to reportFile

Set currentBalance to currentBalance – TRANSFER\_FEE