**Manage Checking Account**

Load Checking Account Data

Perform Each Task

Save Updated Checking Account Data

**Load Checking Account Data**

Get balance from file

Do the following for each transaction in the checking account

Get current transactionDate from file

Get current transactionDescription from file

Get current transactionAmount from file

**Perform Each Task**

Do the following while userChoice is not ‘Q’

Get Choice

Perform Choice

**Get Choice**

Do the following while userChoice is not ‘A’ and ‘D’ and ‘M’ and ‘S’ and ‘Q’

Display “What would you like to do: Add a transaction [A], Delete a transaction [D],

Modify a transaction [M], Display a statement [S], or Quit and save [Q]? ” to user

Get userChoice from user

**Perform Choice**

When userChoice is ‘A’

Add Transaction

When userChoice is ‘D’

Delete a Transaction

When userChoice is ‘M’

Modify a Transaction

When userChoice is ‘S’

Display a Statement

**Add Transaction**

When checking account is not full

Display “Enter Transaction Date: “ to user

Get new transactionDate from user

Display “Enter Transaction Description: “ to user

Get new transactionDescription from user

Display “Enter Transaction Amount: “ to user

Get new transactionAmount from user

**Delete a Transaction**

Get Transaction Date

Get Transaction Description

Get Transaction Amount

Search for Matching Transaction Information

Perform Deletion

**Get Transaction Date**

Display “Enter Transaction Date: “ to user

Get searchTransactionDate from user

**Get Transaction Description**

Display “Enter Transaction Description: “ to user

Get searchTransactionDescription from user

**Get Transaction Amount**

Display “Enter Transaction Amount: “ to user

Get searchTransactionAmount from user

**Search for Matching Transaction Information**

Search the transactionDates for searchTransactionDate and the transactionDescriptions for

searchTransactionDescription and the transactionAmounts for

searchTransactionAmount

**Perform Deletion**

When searchTransactionDate, searchTransactionDescription, and searchTransactionAmount

are found in a single transaction

Delete corresponding transactionDate

Delete corresponding transactionDescription

Delete corresponding transactionAmount

**Modify a Transaction**

Get Transaction Date

Get Transaction Description

Get Transaction Amount

Search for Matching Transaction Information

Perform Modification

**Perform Modification**

When searchTransactionDate, searchTransactionDescription, and searchTransactionAmount

are found in a single transaction

Display “Enter new transaction date: “ to user

Get corresponding transactionDate from user

Display “Enter new transaction description: “ to user

Get corresponding transactionDescription from user

Display “Enter new transaction amount: “ to user

Get corresponding transactionAmount from user

**Display a Statement**

Display Heading

Display Checking Account Summary

**Display Heading**

Display “Transaction Date”, “Transaction Description”, “Transaction Amount”, “Balance

After Transaction” to user

**Display Checking Account Summary**

Set transactionTotal to 0

Do the following for each transaction in the unsaved checking account

Set transactionTotal to transactionTotal + current transactionAmount

Display current transactionDate, current transactionDescription, current

transactionAmount, balance + transactionTotal to user

Display “Current Balance: $”, balance + transactionTotal to user

**Save Updated Checking Account Data**

Append balance to file

Do the following for each transaction in the unsaved checking account

Append current transactionDate to file

Append current transactionDescription to file

Append current transactionAmount to file