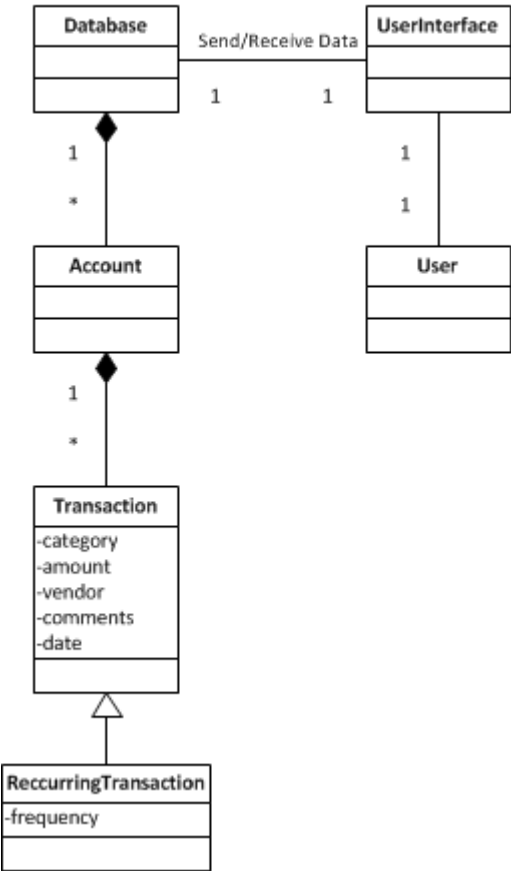


Seth Denney
Homework 4

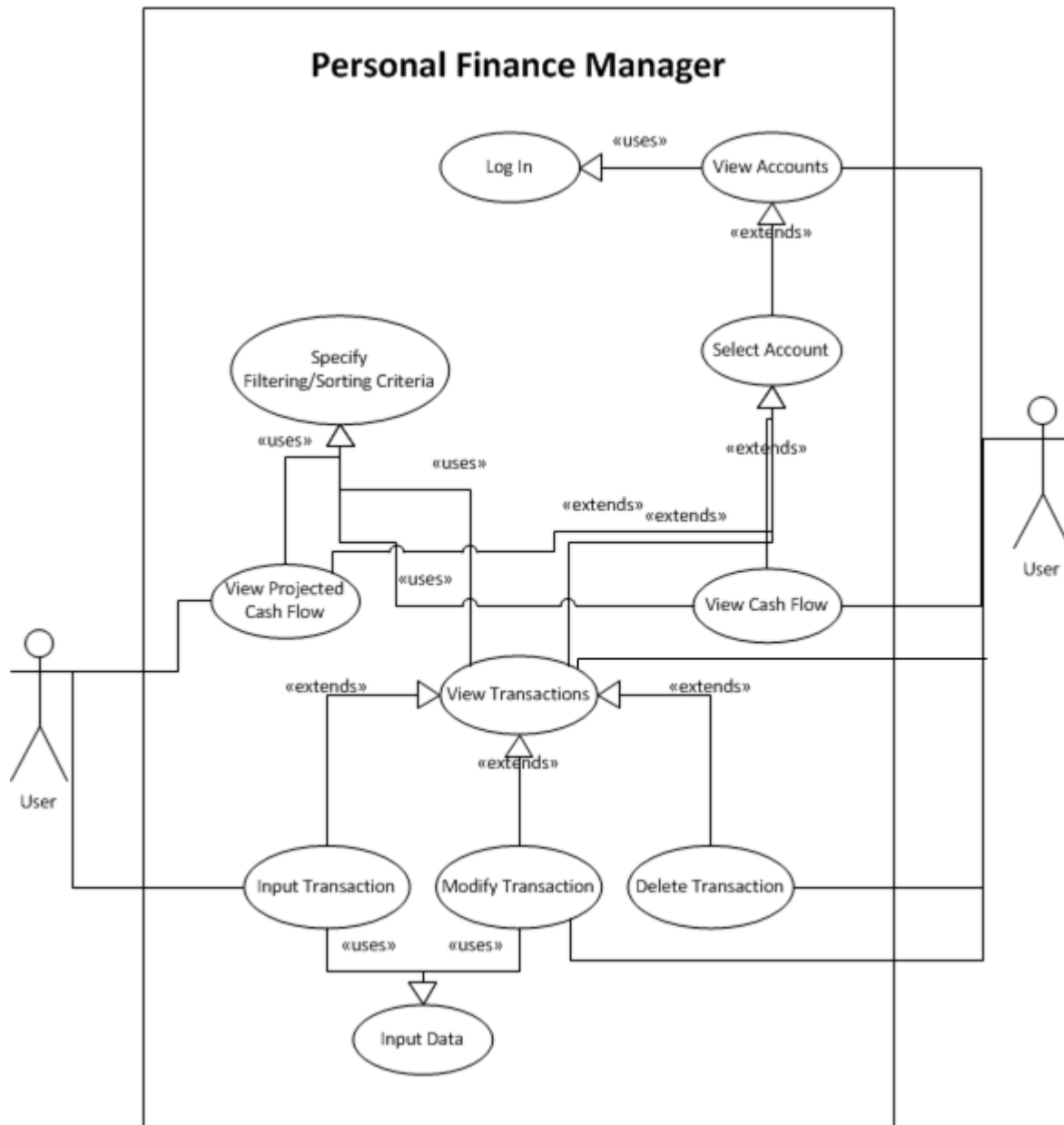
1)

This Personal Finance Manager is a computer application that helps the user analyze his or her personal financial status. The application will allow the user to include financial information and utilize the financial analysis tools provided for multiple separate accounts, such as a Checking Account, Savings account, and 401K. The user may at any time choose to add a new account or modify or delete an existing account. The application will provide a display where the user may view numerical information regarding all of his/her current accounts and any relevant status information regarding the accounts. The application will also allow the user to enter expense and income data manually or automatically, for example with a recurring expense. For automatically entered transactions, the user will enter the set of transaction data that will be repeatedly entered. Transaction data (manually or automatically entered) may include information regarding the amount of the transaction, vendor paid to or received from, date of transaction, category (for example, Food, Transportation, or Utilities), and any optional comments that the user wishes to associate with the transaction. After a transaction is saved into the application's records, the user may modify or delete any data associated with the transaction. The application will provide several modes of expense tracking. Such modes might include filtering and/or sorting by category, vendor, and/or date, and display all appropriate transactions recorded, and organized accordingly. The application will provide multiple views for the user to analyze his/her cash flow. One view will aggregate all expenses from a specified time frame and compare the sum to an aggregation of all income from the specified time frame to produce a "Net Cash Flow" view. Another view will perform a similar comparison of expense and income, but will represent an expected "Future Cash Flow Projection" based on expected future transactions, such as recurring bills, payments, and sources of income, as well as scheduled future stand-alone expenses or paychecks that have been previously entered into the application's records. The user will also be able to add a new expected transaction or modify or delete an existing expected transaction. The user will also be able to save a report to a file. This report may contain information from any single view available within the application. The views that are available as a report are the account-level view, any filtered and/or sorted expense tracking view, and any filtered and/or sorted Future Cash Flow Projection view. All modifications to the application's records are saved as they are edited, so that the user is not required to explicitly save all changes made during a given session.

Personal Finance Manager



2)



3)

View Accounts – The user logs into the application. The application displays the Accounts Home Page, which lists each of the user's accounts and each account's status and current balance.

View Cash Flow – The user **Views Accounts**, and then selects a single account to view. After selecting an account, the user chooses to view a cash flow report, which compares expenses to income. The user may choose to filter the data used for the comparison by any combination of date, vendor, and category.

View Projected Cash Flow – The user **Views Accounts**, and then selects a single account to view. After selecting an account, the user chooses to view a projected cash flow report, which compares expected future expenses to expected future income. The user may choose to filter the data used for the comparison by any combination of date, vendor, and category.

View Transactions – The user **Views Accounts**, and then selects a single account to view. After selecting an account, the user chooses to view recorded transactions. The user may choose to filter transactions by any combination of date, vendor, and category.

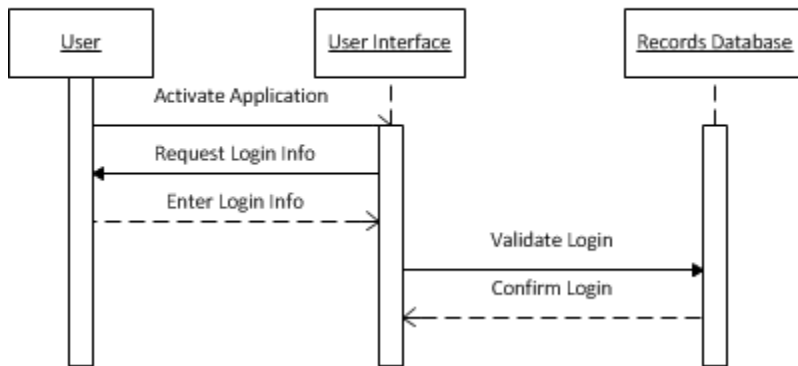
Input Transaction – The user **Views Accounts**, and then selects a single account to view. After selecting an account, the user chooses to view recorded transactions. The user then chooses to input a new transaction, and inputs the data for the new transaction (category, amount, vendor, date).

Modify Transaction – The user **Views Accounts**, and then selects a single account to view. After selecting an account, the user chooses to view recorded transactions. The user then chooses to modify an existing transaction, and selects the transaction to be modified. The user then adjusts the data (category, amount, vendor, date) as desired.

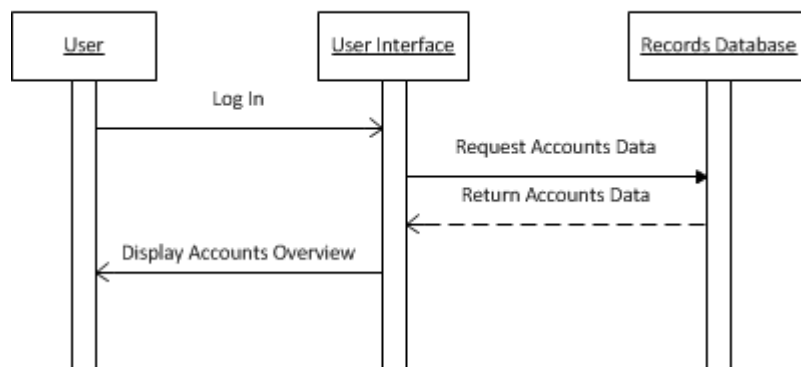
Delete Transaction – The user **Views Accounts**, and then selects a single account to view. After selecting an account, the user chooses to view recorded transactions. The user then chooses to delete an existing transaction, and selects the transaction to be deleted. The user deletes the transaction, and the transaction is removed from the application's records.

4)

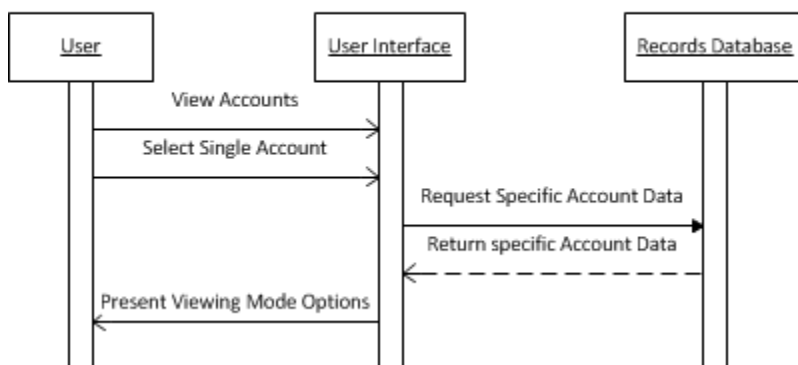
Log In



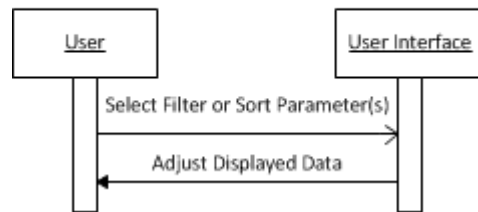
View Accounts



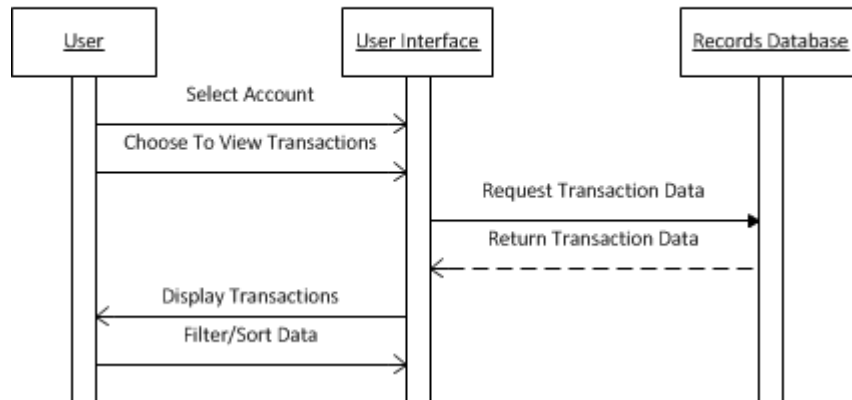
Select Account



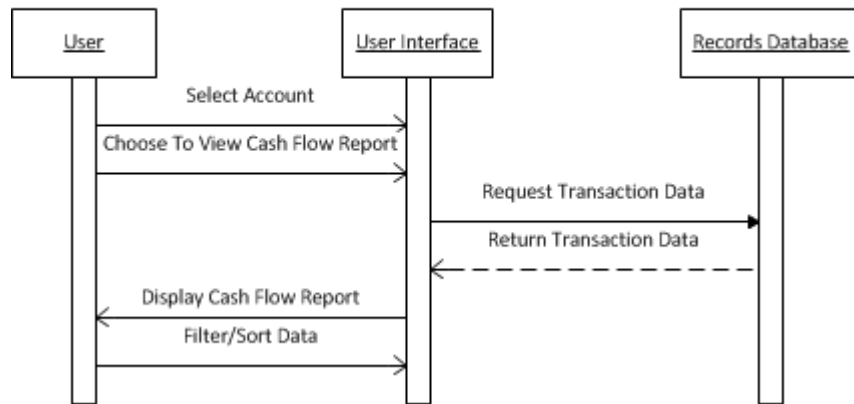
Filter/Sort Data



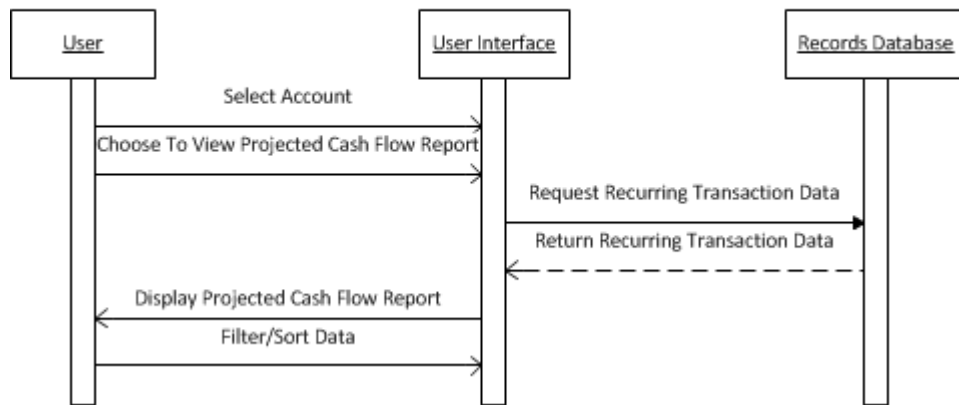
View Transactions



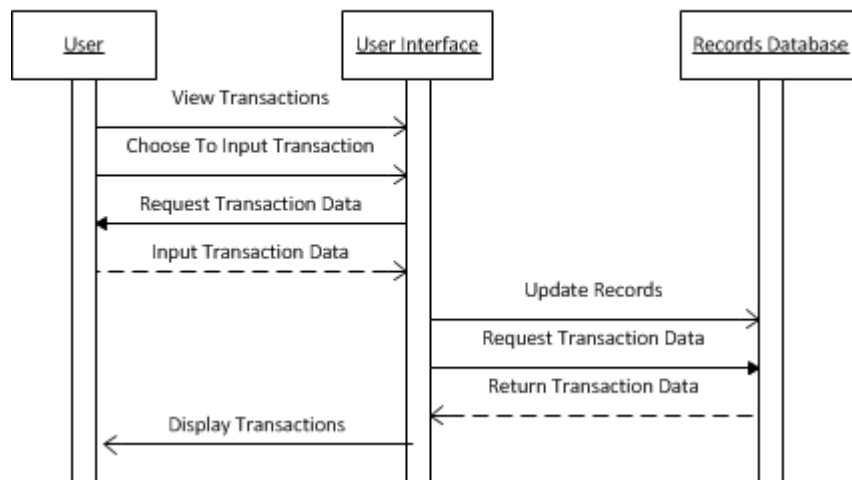
View Cash Flow



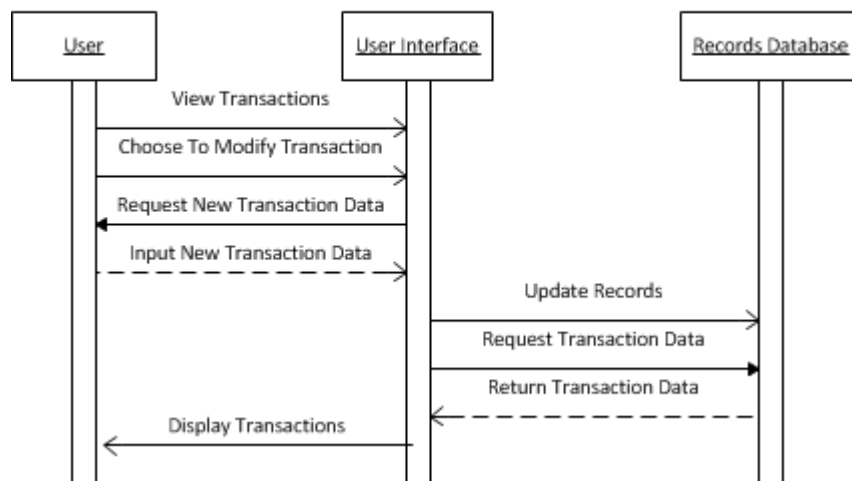
View Projected Cash Flow



Input Transaction



Modify Transaction



Delete Transaction

