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COMP 3710, Assignment 6

**Use Case #1: As a user, I want to add a transaction**

Use Case Name: Add Transaction

Actors: General User

Goal: Create a transaction specified by the user, add it to the running list of transactions, and update the balance accordingly

Preconditions: User has the software up and running at the main screen

Summary: The user will touch and input their data into the 3 fields for the date, price, and source of the transaction. Then, they will click the plus or minus button for the transaction being either a deposit or withdraw. The transaction will be added to the database, displayed in the history at the bottom of the screen, and factored into the user’s balance.

Related Use Cases: None.

Steps:

|  |  |
| --- | --- |
| Actor Actions | System responses |
| Touch the fields for the three transaction data requirements | Allow the user to enter their date, price, and source |
| Specify the transaction |  |
| Touch + or - button | Add the transaction to the database, append it to the running list of transactions at the bottom of the screen, update the user’s balance |

Postconditions: The system will show the transaction in the user’s history, update the balance according to the transaction’s cost, and clear the three fields of the previous transaction.

Main Screen:

Current Balance: $95.00

Date: 

Price:

Item:

-

+

History

< Date <

Date:

Date:

< Price <

Price:

Price:

Clear Filter

Filter

|  |  |  |
| --- | --- | --- |
| Date | Amount | Category |
| 4/2/2020 | 100 | Salary |
| 4/2/2020 | -5 | Ice Cream |

**Use Case #2: As a user, I want to filter my transaction history**

Use Case Name: Filter History

Actors: General User

Goal: Filter the user’s transaction history based on their prices and dates

Preconditions: User has the software up and running at the main screen, the user has a transaction history

Summary: The user will touch and input their desired filters into the date and price fields above the history. Not all fields will be required; for example, the user can fill out just the left price field to get a “Prices greater than than X” filter. They will then hit the filter button below to see the results.

Related Use Cases: Clear filter.

Steps:

|  |  |
| --- | --- |
| Actor Actions | System responses |
| Touch the fields for the different filters | Allow the user to enter their dates and prices |
| Specify the filters |  |
| Touch the filter button | Filter the correct transactions in the history and show only them in the history log below |

Postconditions: The system will show the user’s filtered history. To clear the filter, simply click the clear filter button.

Main Screen: See above