

Zhuoyang Wan
Assignment 4

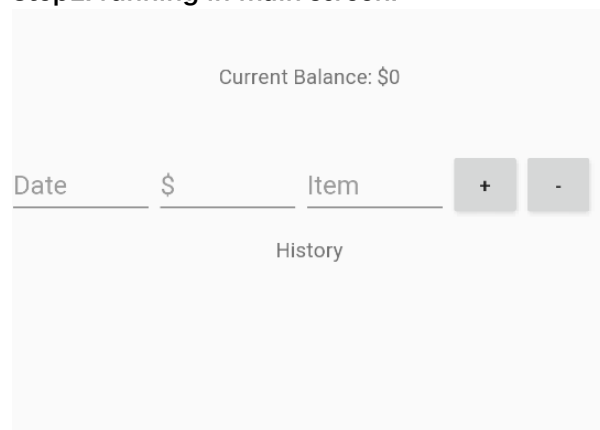
User story:

As user, I want to record my Income and expenditure.

Task 1. When the user entering information in the second part and click on one of the two buttons, the app needs to update the current balance and adds a new line describing the activity to the history.

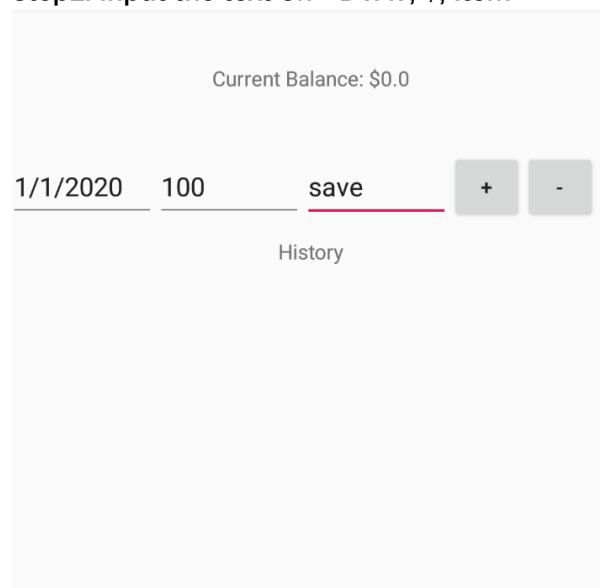
Task 2. Saving the current balance and the history using Shared Preferences and each time the app is loaded you will display such information from the last run.

Step1: running in main screen.



The screenshot shows the main screen of the app. At the top, it displays "Current Balance: \$0". Below this, there are three input fields: "Date", "\$", and "Item". To the right of these fields are two buttons: a "+" button and a "-" button. Below the input fields, there is a label "History" and a large empty area for displaying the history.

Step2: input the text on "DTAT, \$, Item"



The screenshot shows the main screen of the app after inputting data. The "Current Balance" is now "\$0.0". The "Date" field contains "1/1/2020", the "\$" field contains "100", and the "Item" field contains "save". The "+" and "-" buttons are still present. The "History" label and the large empty area for displaying the history are also visible.

Step3: click button +, (there are history of this transaction, at same time Current Balance changed)

Current Balance: \$100.0

Date	\$	Item	+	-
History				
Added \$100.0 on 1/1/2020 for save				

Step4: input the text on “DTAT, \$, Item”

Current Balance: \$100.0

1/1/2020	40	test	+	-
History				
Added \$100.0 on 1/1/2020 for save				

Step5: click button +, (there are history of this transaction, at same time Current Balance changed)

Current Balance: \$60.0

Date	\$	Item	+	-
History				
Added \$100.0 on 1/1/2020 for save				
Spent \$40.0 on 1/1/2020 for test				

Step6: Stop running the application

Step7: The application is loaded you will display such information from the last run.

Current Balance: \$60.0

Date	\$	Item	+	-
History				
Added \$100.0 on 1/1/2020 for save				
Spent \$40.0 on 1/1/2020 for test				

DB:

DB Browser for SQLite - /Users/app

New Database Open Database Write Changes Revert Changes Open Project

Database Structure Browse Data Edit Pragma Execute SQL

Table: asd New Record Delete Record

	id	Time	Usd	Item
	Filter	Filter	Filter	Filter
1	1	1/1/2020	100.0	save
2	2	1/2/2020	-40.0	buy book
3	3	1/3/2020	50.0	save
4	4	1/4/2020	-20.0	dinning