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Student Expense Tracker and Manager

MCS 2613; Assignment 7

Task Backlog

Backlog 18 issues

Create sprint



Setup database	SETM-11	↑	-
Setup user accounts	SETM-13	↑	-
Display empty balance GUI	SETM-27	↑	-
Create expense and revenue GUI	SETM-29	↑	-
Viewing balances	SETM-14	↑	-
Add feature to edit expenses	SETM-15	↑	-
Allow user to create multiple accounts	SETM-16	↑	-
Allow user to access account information	SETM-17	↑	-
Allow user to set initial balance	SETM-18	↑	-
Display total amount of balance	SETM-19	↑	-
Allow user to create budgets	SETM-20	↑	-
Display history of changes in balance	SETM-21	↑	-
Setup user security	SETM-22	↑	-
Create expense categories	SETM-23	↑	-
Create revenue categories	SETM-24	↑	-
Grouping expenses	SETM-25	↑	-
Allow user to contact support	SETM-26	↑	-
Allow users to switch tabs	SETM-30	↑	-

Availability Calculations

Team: 3 People

Capacity per day: 2 hours

Duration of Sprint: 1 week (5 days)

Total Capacity = $(3 * 2 * 10) = 30$ Hours

Focus Factor (F.F.) = 0.6

Real Capacity = $30 * 0.6 = 18$ Hours

Sprint Goal

Display balances and allow user to create an account and insert expense and income entries.

Sprint Backlog (After Planning)

SETM Sprint 2

15 issues










Start sprint

Plan sprint

<div><div></div></div> Setup user accounts	SETM-13	<div><div></div><div></div></div>
<div><div></div></div> Display empty balance GUI	SETM-27	<div><div></div><div></div></div>
<div><div></div></div> Create expense and revenue GUI	SETM-29	<div><div></div><div></div></div>
<div><div></div></div> Viewing balances	SETM-14	<div><div></div><div></div></div>
<div><div></div></div> Add feature to edit expenses	SETM-15	<div><div></div><div></div></div>
<div><div></div></div> Allow user to create multiple accounts	SETM-16	<div><div></div><div></div></div>
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<div><div></div></div> Display history of changes in balance	SETM-21	<div><div></div><div></div></div>
<div><div></div></div> Create revenue categories	SETM-24	<div><div></div><div></div></div>
<div><div></div></div> Grouping expenses	SETM-25	<div><div></div><div></div></div>

+ Create issue

Task backlog (What is remaining)

Backlog 3 issues		Create sprint	...
	Setup database	SETM-11	 
	Setup user security	SETM-22	 
	Allow user to contact support	SETM-26	 
+ Create issue			

Scrum Meeting Notes

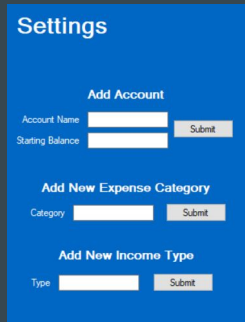
Our team gives status on the implementation of features and discussed what is needed to be done in the sprint backlog.

We also discussed availability and priority of tasks before reaching the deadline.

Test Plan Document

Testing consists of using different functions with known valid and invalid inputs.

- Using setup GUI, ensure that new account info is properly retained and displayed.
- Program prompts to create new Accounts, Categories, and Incomes.
- Ensure that the Expense and Income tabs will accept and display amounts, categories, accounts, and dates properly.
- Program should display proper messages once actions are successful.



Settings

Add Account

Account Name

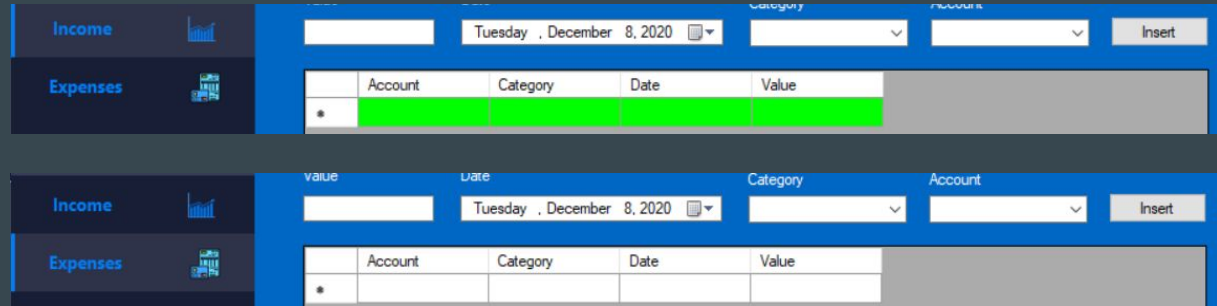
Starting Balance

Add New Expense Category

Category

Add New Income Type

Type



Income

Tuesday , December 8, 2020

	Account	Category	Date	Value
*				

Expenses

Tuesday , December 8, 2020

	Account	Category	Date	Value
*				

QA Test Results

Value: 69.55 Date: Tuesday, December 8, 2020 Category: Entertainment Account: Flagstar Insert

	Account	Category	Date	Value
▶		Transportation	12/8/2020 11:00...	34.20
	Flagstar	Entertainment	12/8/2020 11:02...	69.55
*				




Value: Date: Tuesday, December 8, 2020 Category: Payroll Account: Flagstar Insert

	Account	Category	Date	Value
▶	Chase Bank	Under the vendin...	12/8/2020 11:03...	500
	Flagstar	Payroll	12/8/2020 11:03...	1250
*				

- Error: Program wrongly accepts inputs without specifying account names.
- Program accepts inputs of new accounts and displays them for selection on Income and Expense.
- Program accepts inputs of new expense categories and displays them for selection.
- Program accepts inputs of new income categories and displays them for selection.

Updated Backlog

Workload by assignee - SETM Sprint 2





Assignee	Issues	Story Points
Unassigned	0	0
 Austin Ramsey	2	0
 Calvin Le	9	0
 Mitchell Browe	3	0

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Final Sprint Backlog

SETM Sprint 2

Display balances and allow user to create an account and insert expense and income entries.

   1 day remaining [Complete sprint](#)  

[Only My Issues](#)[Recently Updated](#)

TO DO

Add feature to edit expenses



SETM-15 

Allow user to access account information



SETM-17 

Allow user to create budgets



SETM-20 

Display history of changes in balance



SETM-21 

IN PROGRESS

Display empty balance GUI



SETM-27 

Viewing balances



SETM-14 

Display total amount of balance



SETM-19 

DONE

Setup user accounts



SETM-13 

Create expense and revenue GUI



SETM-29 

Allow user to create multiple accounts



SETM-16 

Allow users to switch tabs



SETM-30 

Allow user to set initial balance



SETM-18 

Create expense categories



SETM-23 

Create revenue categories



SETM-24 

Task Backlog

Backlog

Share

...

Q



Only My Issues

Recently Updated

Backlog 11 issues

Create sprint

...

Setup database

SETM-11 ↑ -

Display empty balance GUI

AR SETM-27 ↑ -

Viewing balances

MB SETM-14 ↑ -

Add feature to edit expenses

CL SETM-15 ↑ -

Allow user to access account information

CL SETM-17 ↑ -

Allow user to create budgets

CL SETM-20 ↑ -

Display total amount of balance

MB SETM-19 ↑ -

Display history of changes in balance

CL SETM-21 ↑ -

Setup user security

SETM-22 ↑ -

Allow user to contact support

SETM-26 ↑ -

Grouping expenses

SETM-25 ↑ -

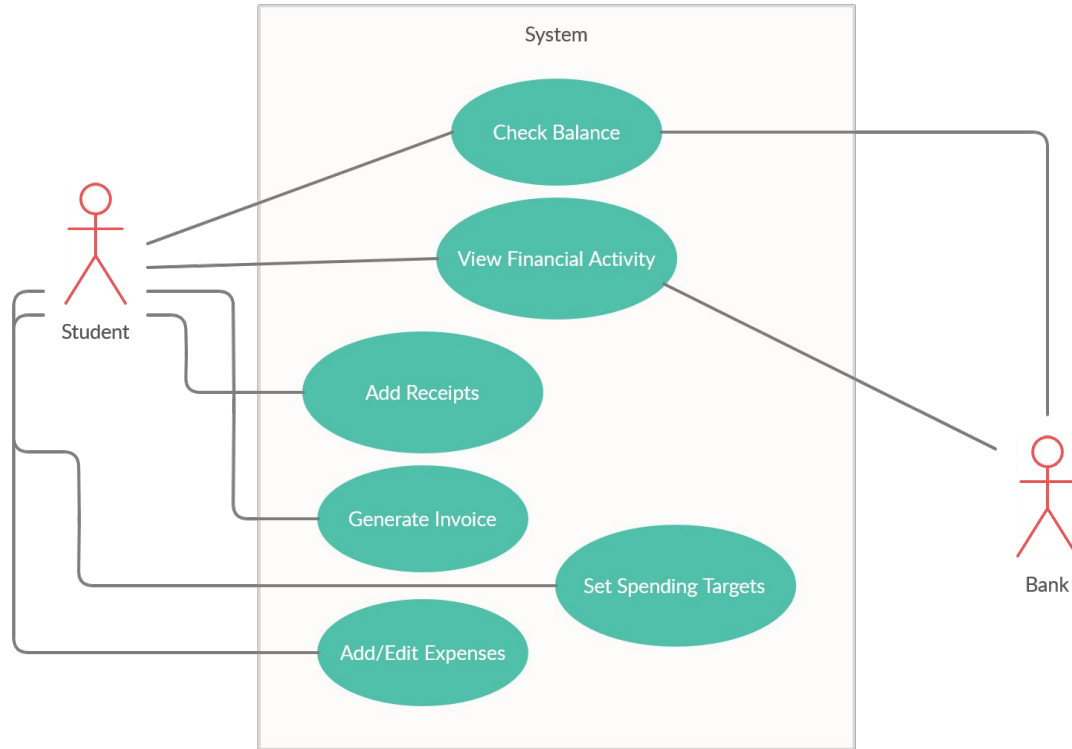
+ Create issue

VERSIONS
EPICS

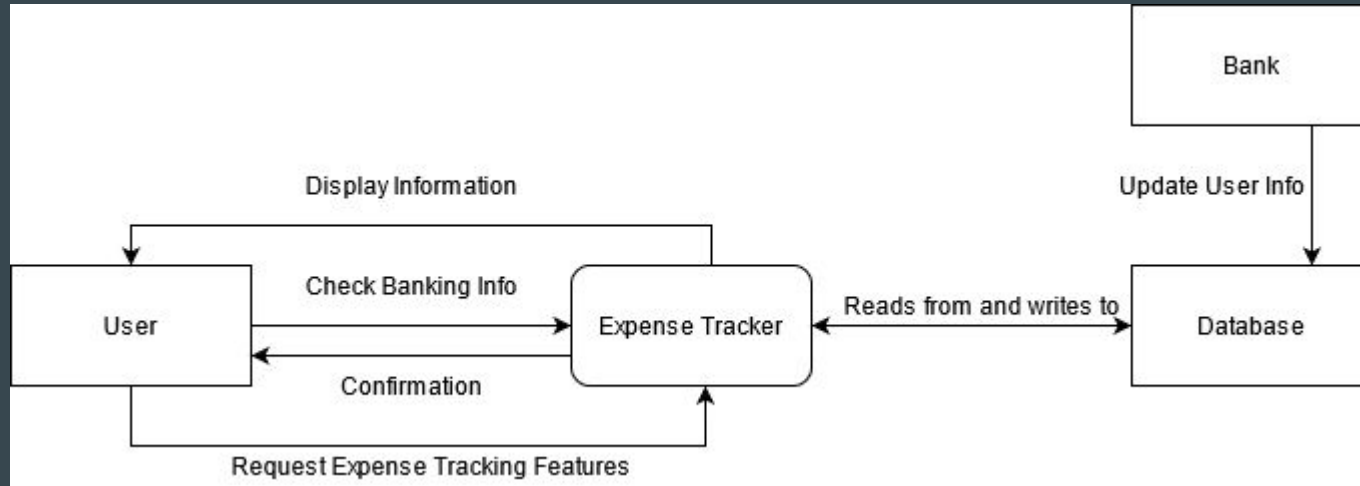
Requirement Statements

- The application shall display basic banking information to the user upon opening the application.
- The application shall include the option to view recent financial activities from the user.
- The application shall generate a report of all financial activities ranging from certain dates.
- The application shall allow the user to save their receipts on purchases.
- The application shall provide users with the capabilities of editing and adding expenses.
- The application shall allow users to set a spending target from transactions.

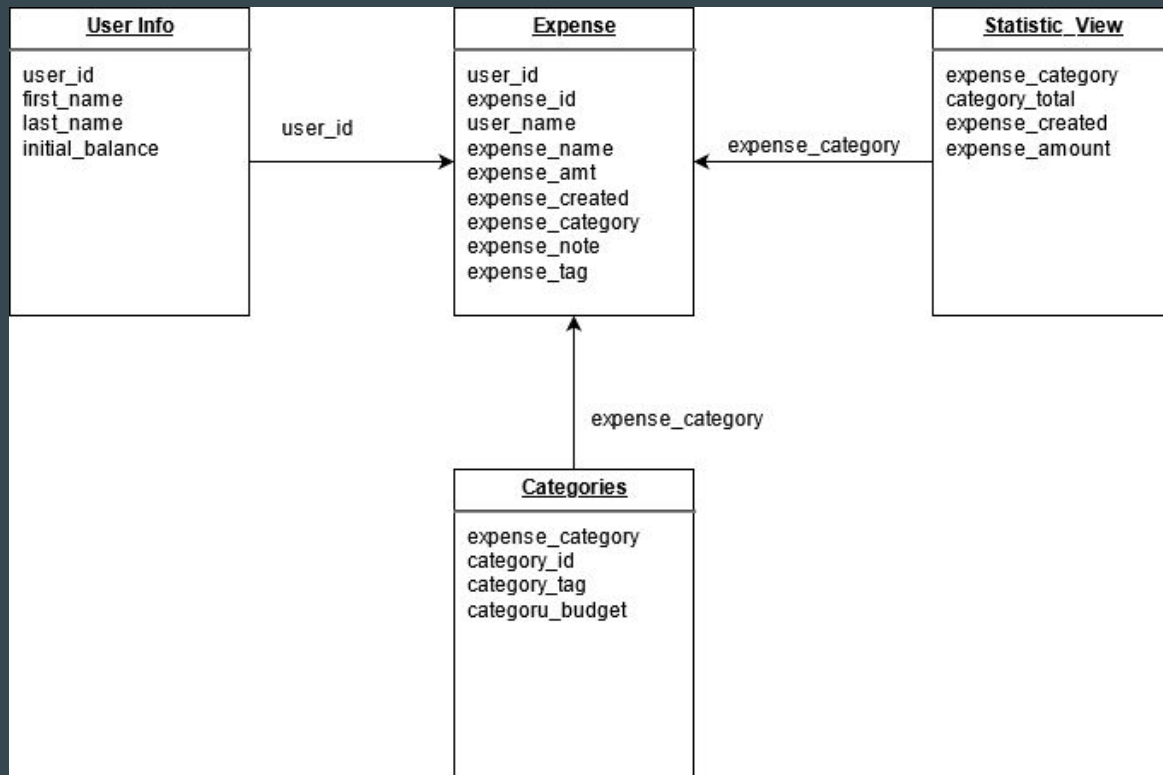
Use-Case Scenarios



System Architecture



DB Schema



Project Retrospective

Good:

- We were able to implement an application that covers some basic functionalities
- Planning was better this sprint than last sprint

Bad:

- Communication were still overall bad.
- Preparation for the presentation playback felt a bit rushed.
- Problems updating and modifying source code

Honor Code

I have neither given nor received unauthorized aid in completing this work, nor have I presented someone else's work as my own.