

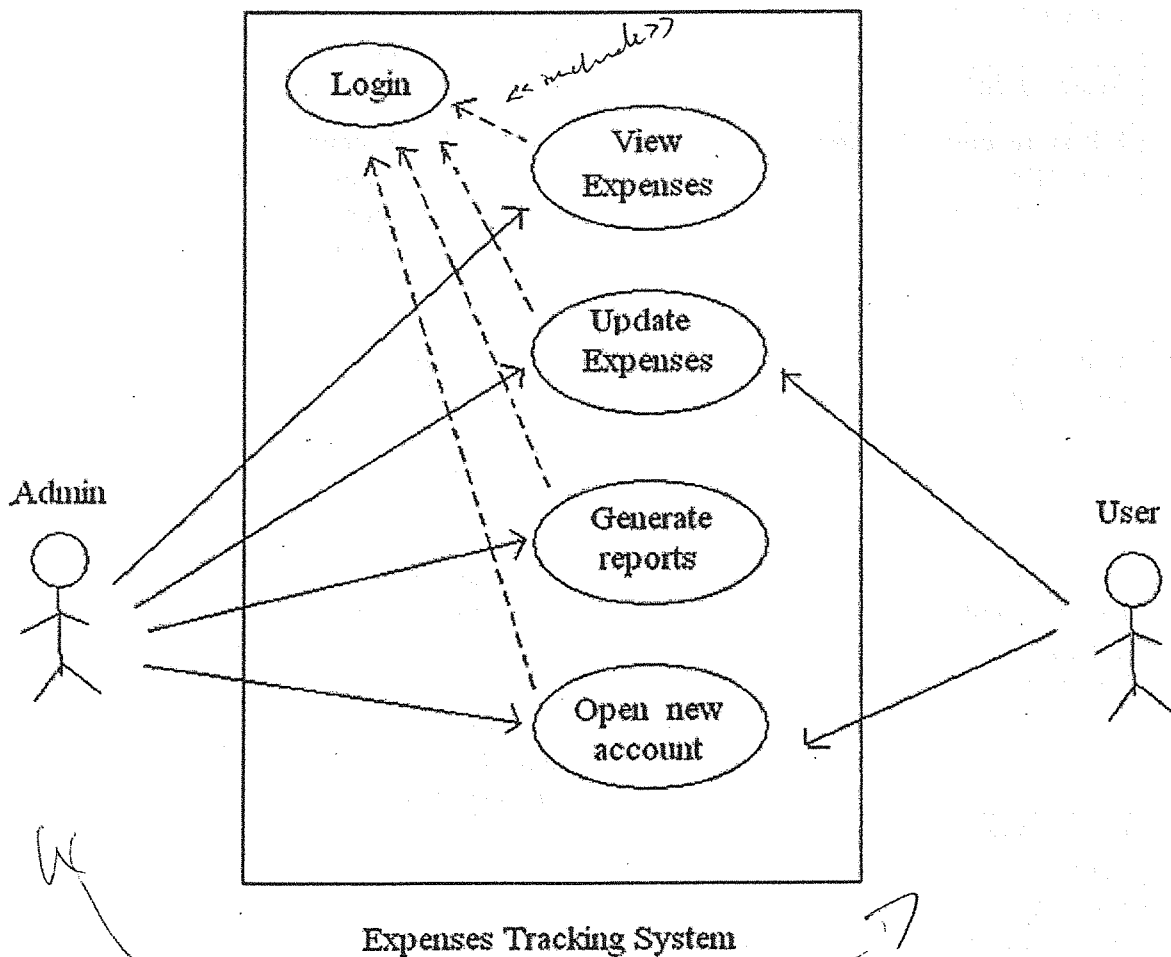
# Sample Design Draft

## I. PROJECT STATEMENT/OBJECTIVES

- a) Family Expenses Tracker allows the family members to track their own expenses for monitoring and budgeting purpose.
- b) Implementing a GUI Design which is user-friendly and simple to use for a family.

## II. PROJECT DESIGN & DISCUSSION

### Use Case



## Course of Events

	User		System
I.	For User login status.		
		1.	Prompt for option.
		2.	Display the login status available.
3.	Choose the desired login status (User) and enter the corresponding username and password.	4.	Create new account record and display the next panel including Insert, Edit and Back to Login Screen options.
5.	Select 'Insert' option.	6.	Prompt for user's details.
7.	Click 'Done' button after filling in the details or 'Back' button to change the option.	8.	Store the details entered in a vector if user chooses 'Done' or allow changing the option if 'Back' is chosen.
9.	Select 'Edit' option.	10.	Prompt for user's details.
11.	Fill in the desired changes and click 'Done' or 'Back' button to change the option.	12.	Store the details entered in a vector if user chooses 'Done' and display an 'account edited' message on successful updating, or allow changing the option if 'Back' is chosen.
13.	Select 'Back to Login Screen' for changing the login status.	14.	Exit the current panel and allow changing of the login status.
II.	For Admin login status.		
		1.	Prompt for option.
		2.	Display the login status available.
3.	Choose the desired login status (Admin) and enter the corresponding username and password.	4.	Create new account record and display the next panel including Insert, Edit and Back to Login Screen options.
5.	Select 'Edit' option.	6.	Prompt for user's details.(updatation is with reference to item)
7.	Click 'Done' for successful updatation, 'Next (View screen)' to view the updates or 'Back' to make a different choice.	8.	<ul style="list-style-type: none"> <li>• 'Done' - Save the corresponding changes.</li> <li>• 'Next (View screen)' - Display the View screen.</li> <li>• 'Back' - Allow change of</li> </ul>

			choice.
9.	Select 'View' option.	10.	Display the view screen, along with the different options based on which the report should be generated.
11.	Select the desired category based on which the report should be generated and click 'Go'.	12.	Allow the user to fill in required details as per the category selected and click 'Enter' for the report or 'Back' to change the choice.
13.	Select 'Back to Login Screen' for changing the login status.	14.	Exit the current panel and allow changing of the login status.

### List of Entities.

Account (record)

Vector

Account holder/user

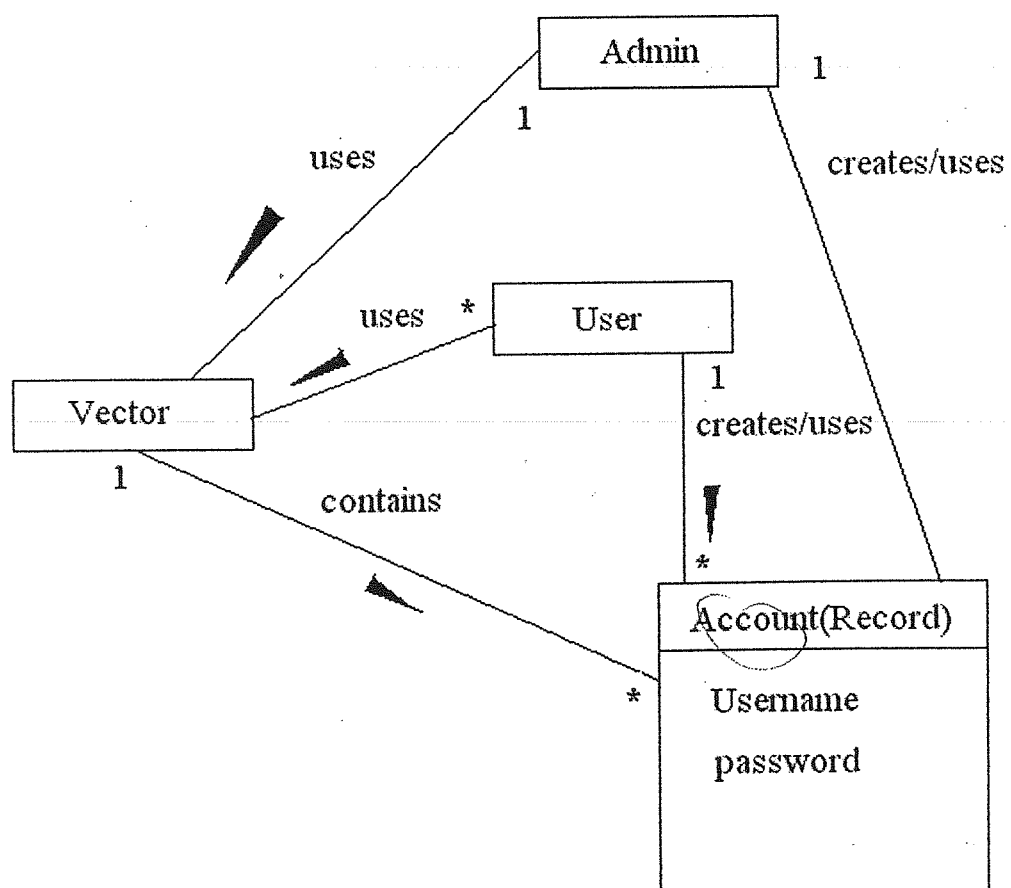
Username

Password

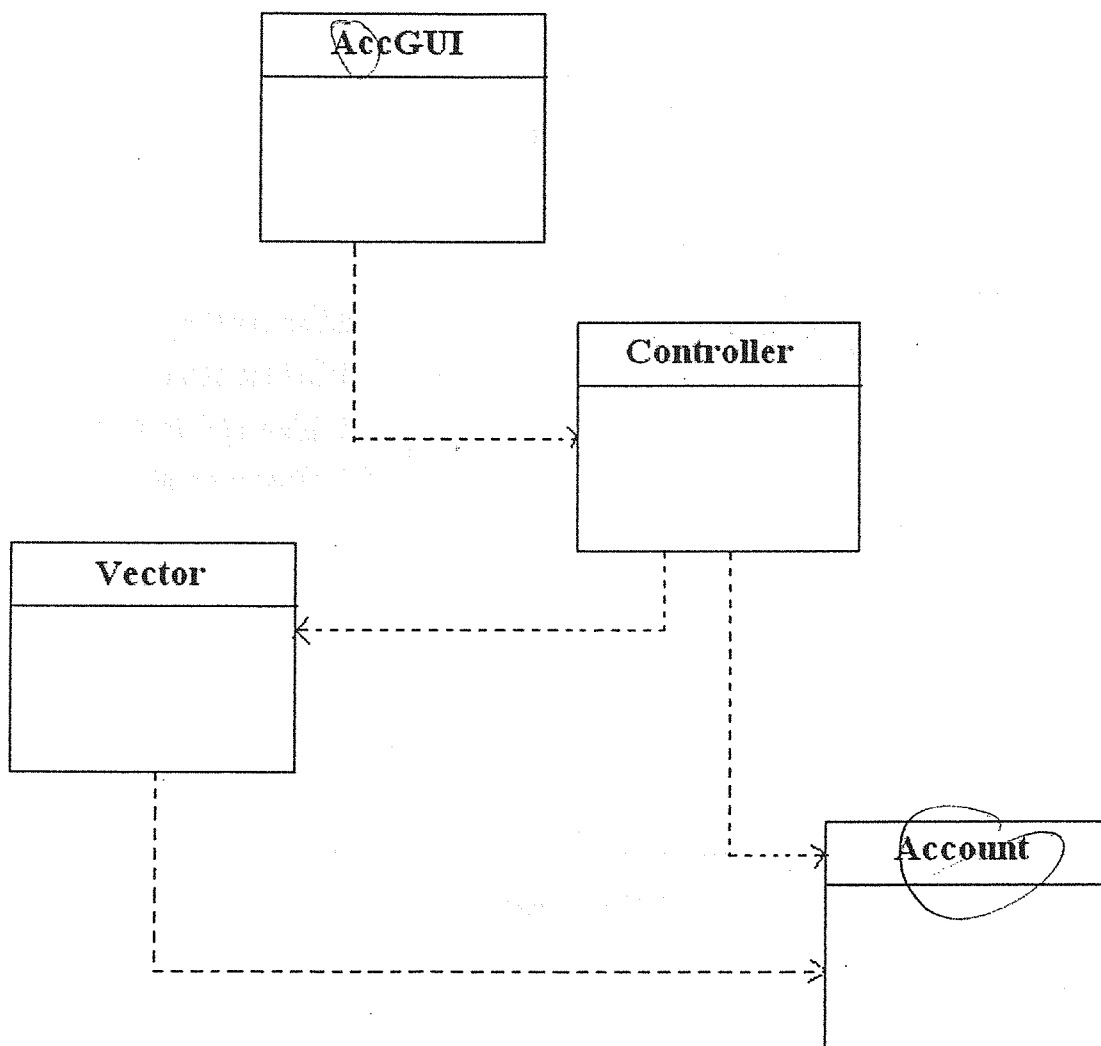
Admin

*Item description  
Item quantity*

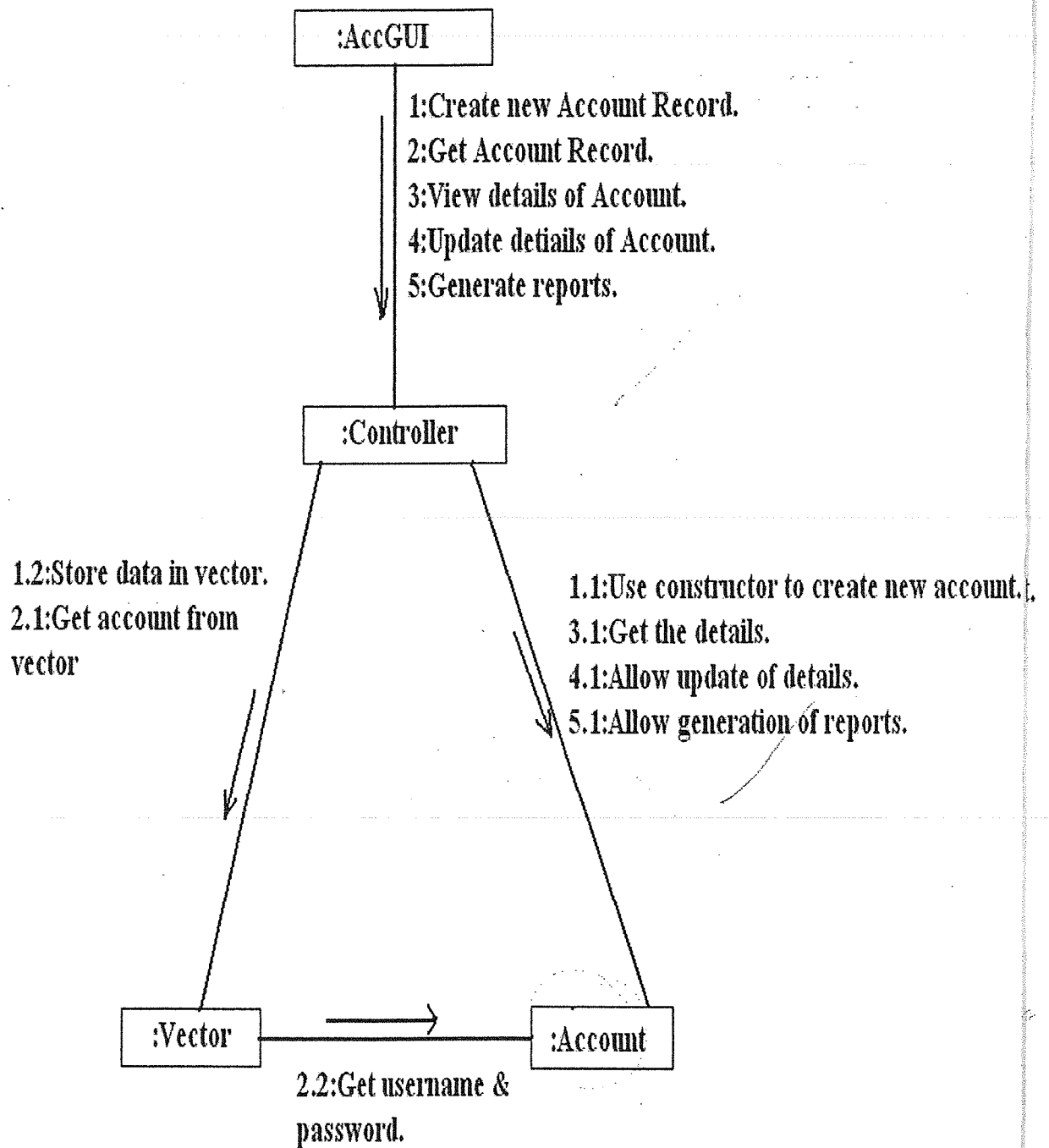
### Conceptual Model (With attribute & association)



## Facade pattern



## Collaboration Diagram



# GUI Design Missing

## UML Class Diagram missing

### Story board and Analysis

- The program starts up a window asking for the choice of login status and the corresponding username and password.

