

Financial Tracker

Author (s): Fatima Nadeem, Chinonyerem Ukaegbu

Date: 30th March 2022

Version: 1.0

USE CASE NAME:	Register account	USE CASE TYPE Business Requirements:
USE CASE ID:	4.1	
PRIORITY:	High	
PRIMARY BUSINESS ACTOR:	<ul style="list-style-type: none"> Prospective User 	
OTHER PARTICIPATING ACTORS:	<ul style="list-style-type: none"> System 	
OTHER INTERESTED STAKEHOLDERS:	<ul style="list-style-type: none"> 	
SHORT DESCRIPTION:	Allows prospective users to register on the system i.e. to create an account	
PRE-CONDITION:	Prospective user is on the home page	
TRIGGER:	Prospective user clicks register button	
TYPICAL COURSE OF EVENTS:	Actor Action	System Response
	1 Access the registration page	
	2 Fill in name, username, email and password	3 Verify details entered and ensure the username is unique
		4 Direct new user to their dashboard page
ALTERNATE COURSES:	The username selected is not unique. In this case, the system prompts the prospective user to input another username	
CONCLUSION:		
POST-CONDITION:	After providing all the details and successful verification, the user should have secure access to the application by means of login credentials	
BUSINESS RULES:		
IMPLEMENTATION CONSTRAINTS AND SPECIFICATIONS:		
ASSUMPTIONS:		
OPEN ISSUES:	1.	

USE CASE NAME:	Login account		USE CASE TYPE Business Requirements:
USE CASE ID:	4.2		
PRIORITY:	High		
PRIMARY BUSINESS ACTOR:	<ul style="list-style-type: none"> User 		
OTHER PARTICIPATING ACTORS:	<ul style="list-style-type: none"> System 		
OTHER INTERESTED STAKEHOLDERS:	<ul style="list-style-type: none"> 		
SHORT DESCRIPTION:	Allows already existing users to access their personal		
PRE-CONDITION:	The user has not yet authenticated but has been registered		
TRIGGER:	User clicks login button		
TYPICAL COURSE OF EVENTS:	Actor Action	System Response	
	1 Access the login page		
	2 Fill in a combination of username and password		
	3 Click on login button	4 Confirm the combination is true or false. If true, it redirects to the user's dashboard interface	
ALTERNATE COURSES:	If the password and username combination is false, the system prompts the user to reenter the vaues		
CONCLUSION:			
POST-CONDITION:	If the use case was successful, the actor is now logged into the system. If not the system state is unchanged.		
BUSINESS RULES:			
IMPLEMENTATION CONSTRAINTS AND SPECIFICATIONS:			
ASSUMPTIONS:			
OPEN ISSUES:	2.		

USE CASE NAME:	Create Journal		USE CASE TYPE Business Requirements:
USE CASE ID:	4.3		
PRIORITY:	High		
PRIMARY BUSINESS ACTOR:	<ul style="list-style-type: none"> User 		
OTHER PARTICIPATING ACTORS:	<ul style="list-style-type: none"> System 		
OTHER INTERESTED STAKEHOLDERS:	<ul style="list-style-type: none"> 		
SHORT DESCRIPTION:	Users are able to create journal in order to track transactions over a time period		
PRE-CONDITION:	User must be logged in		
TRIGGER:			
TYPICAL COURSE OF EVENTS:	Actor Action	System Response	
	1 Enter name, start date and further description of the journal	2 System displays empty journal	
ALTERNATE COURSES:	If the name of the journal is invalid, the system prompts the user to try another name		
CONCLUSION:			
POST-CONDITION:	Empty journal has been created and is visible from the user's dashboard		
BUSINESS RULES:			
IMPLEMENTATION CONSTRAINTS AND SPECIFICATIONS:			
ASSUMPTIONS:			
OPEN ISSUES:	3.		

USE CASE NAME:	Add New Transaction		USE CASE TYPE Business Requirements:
USE CASE ID:	4.4		
PRIORITY:	High		
PRIMARY BUSINESS ACTOR:	<ul style="list-style-type: none"> User 		
OTHER PARTICIPATING ACTORS:	<ul style="list-style-type: none"> System 		
OTHER INTERESTED STAKEHOLDERS:	<ul style="list-style-type: none"> 		
SHORT DESCRIPTION:	Allows users to create transactions with multiple journals		
PRE-CONDITION:	User has been authenticated and is on either the home page or dashboard		
TRIGGER:	User clicks on create transaction button		
TYPICAL COURSE OF EVENTS:	Actor Action	System Response	
		1 System prompts user to select journal to store the transaction	
	2 User selects journal	3 System prompts user to enter transaction details	
	4 User enters transaction details		
	5 User clicks on save button		
ALTERNATE COURSES:	If the user would like to create a new journal to store the transaction in, they would have to click on the 'new journal' button and follow the use case 4.3		
CONCLUSION:			
POST-CONDITION:	If successful, transaction has been created and stored in a journal		
BUSINESS RULES:			
IMPLEMENTATION CONSTRAINTS AND SPECIFICATIONS:			
ASSUMPTIONS:			
OPEN ISSUES:	4.		

USE CASE NAME:	Edit Transaction		USE CASE TYPE Business Requirements:
USE CASE ID:	4.5		
PRIORITY:	Medium		
PRIMARY BUSINESS ACTOR:	<ul style="list-style-type: none"> User 		
OTHER PARTICIPATING ACTORS:	<ul style="list-style-type: none"> System 		
OTHER INTERESTED STAKEHOLDERS:	<ul style="list-style-type: none"> 		
SHORT DESCRIPTION:	Allows the user to edit details of already existing transaction		
PRE-CONDITION:	User has been authenticated and can access transactions on home page or dashboard		
TRIGGER:			
TYPICAL COURSE OF EVENTS:	Actor Action	System Response	
	1 User selects transaction	2 Displays edit button	
	3 User clicks on edit button		
	4 User selects detail to edit		
	5 User selects journal to save transaction in		
	6 User clicks on save button	7 System updates transaction	
ALTERNATE COURSES:			
CONCLUSION:			
POST-CONDITION:	If successful, the system has an updated transaction		
BUSINESS RULES:			
IMPLEMENTATION CONSTRAINTS AND SPECIFICATIONS:			
ASSUMPTIONS:			
OPEN ISSUES:	5.		

USE CASE NAME:	Delete Transaction		USE CASE TYPE Business Requirements:
USE CASE ID:	4.6		
PRIORITY:	Medium		
PRIMARY BUSINESS ACTOR:	<ul style="list-style-type: none"> User 		
OTHER PARTICIPATING ACTORS:	<ul style="list-style-type: none"> System 		
OTHER INTERESTED STAKEHOLDERS:	<ul style="list-style-type: none"> 		
SHORT DESCRIPTION:	Users will be able to delete transactions within a journal		
PRE-CONDITION:	User has been authenticated and transaction to be deleted exists already		
TRIGGER:	User clicks delete transaction button		
TYPICAL COURSE OF EVENTS:	Actor Action	System Response	
	1 User selects transaction within a journal	2 Displays delete button	
	3 User clicks delete button	4 System displays message prompting user to confirm or cancel	
	5 User clicks confirm	6 Transaction is removed from the journal and discarded	
ALTERNATE COURSES:	If the user selects cancel, the system returns to the journal in which the transaction that was to be deleted is in		
CONCLUSION:			
POST-CONDITION:	If successful, the transaction is deleted from the system		
BUSINESS RULES:			
IMPLEMENTATION CONSTRAINTS AND SPECIFICATIONS:			
ASSUMPTIONS:			
OPEN ISSUES:	6.		

USE CASE NAME:	Logout account		USE CASE TYPE Business Requirements:
USE CASE ID:	4.7		
PRIORITY:	High		
PRIMARY BUSINESS ACTOR:	<ul style="list-style-type: none"> User 		
OTHER PARTICIPATING ACTORS:	<ul style="list-style-type: none"> System 		
OTHER INTERESTED STAKEHOLDERS:	<ul style="list-style-type: none"> 		
SHORT DESCRIPTION:	Allows users to log out of the application		
PRE-CONDITION:	Users must already have an account and be logged in		
TRIGGER:	User clicks logout button		
TYPICAL COURSE OF EVENTS:	Actor Action	System Response	
	1 User clicks logout button	2 System displays message prompting user to confirm or cancel	
	3 User clicks confirm	4 System logs out user session	
ALTERNATE COURSES:	If the user selects cancel, the system returns to the dashboard		
CONCLUSION:			
POST-CONDITION:	If successful, the user is logged out of the system and would have to log in to access user privileges		
BUSINESS RULES:			
IMPLEMENTATION CONSTRAINTS AND SPECIFICATIONS:			
ASSUMPTIONS:			
OPEN ISSUES:	7.		

USE CASE NAME:	Delete Account		USE CASE TYPE Business Requirements:
USE CASE ID:	4.8		
PRIORITY:	Medium		
PRIMARY BUSINESS ACTOR:	<ul style="list-style-type: none"> User 		
OTHER PARTICIPATING ACTORS:	<ul style="list-style-type: none"> System 		
OTHER INTERESTED STAKEHOLDERS:	<ul style="list-style-type: none"> 		
SHORT DESCRIPTION:	Allows users to permanently delete their accounts		
PRE-CONDITION:	Users must already have an account and be logged in		
TRIGGER:	User clicks delete account button		
TYPICAL COURSE OF EVENTS:	Actor Action	System Response	
	1 User clicks delete account button	2 System displays message prompting user to confirm or cancel	
	3 User clicks confirm	4 System deletes user account	
ALTERNATE COURSES:	If the user selects cancel, the system returns to the dashboard		
CONCLUSION:			
POST-CONDITION:	If successful, the user's account is deleted permanently and they would have to register again in order to access user privileges		
BUSINESS RULES:			
IMPLEMENTATION CONSTRAINTS AND SPECIFICATIONS:			
ASSUMPTIONS:			
OPEN ISSUES:	8.		

USE CASE NAME:	View profile		USE CASE TYPE Business Requirements:
USE CASE ID:			
PRIORITY:	Medium		
PRIMARY BUSINESS ACTOR:	<ul style="list-style-type: none"> User 		
OTHER PARTICIPATING ACTORS:	<ul style="list-style-type: none"> System Admin 		
OTHER INTERESTED STAKEHOLDERS:	<ul style="list-style-type: none"> 		
SHORT DESCRIPTION:	Allows users to view their profile and admin to view all user profiles		
PRE-CONDITION:	Users must already have an account and be logged in Admin must be logged in their account		
TRIGGER:	User clicks profile icon Admin clicks view profiles button		
TYPICAL COURSE OF EVENTS:	Actor Action	System Response	
	1 User clicks profile icon	2 System displays user information including name, username, email, password, gender etc	
ALTERNATE COURSES:	1 Admin clicks view profiles button		
	2 System displays list of all users		
	3 Admin clicks a username		
	4 System displays user information including name, username, email, password, gender etc		
CONCLUSION:			
POST-CONDITION:			
BUSINESS RULES:			
IMPLEMENTATION CONSTRAINTS AND SPECIFICATIONS:			
ASSUMPTIONS:			
OPEN ISSUES:	9.		

USE CASE NAME:	Edit profile		USE CASE TYPE Business Requirements:
USE CASE ID:			
PRIORITY:	Low		
PRIMARY BUSINESS ACTOR:	<ul style="list-style-type: none"> User 		
OTHER PARTICIPATING ACTORS:	<ul style="list-style-type: none"> System Admin 		
OTHER INTERESTED STAKEHOLDERS:	<ul style="list-style-type: none"> 		
SHORT DESCRIPTION:	Allows users to view their profile and admin to view all user profiles and edit it		
PRE-CONDITION:	Users must already have an account and be logged in Admin must be logged in their account		
TRIGGER:	User clicks profile icon Admin clicks view profiles button		
TYPICAL COURSE OF EVENTS:	Actor Action	System Response	
	1 User clicks profile icon	2 System displays user information including name, username, email, password, gender etc	
	3 User/ Admin hovers over information to change and click edit	4 System prompts for input	
	5 Adds new information	5 Saves information and sends successful notification	
ALTERNATE COURSES:	<div></div> <div></div> <div></div> <div></div> <div></div> <div></div>		
CONCLUSION:			
POST-CONDITION:			
BUSINESS RULES:			
IMPLEMENTATION CONSTRAINTS AND SPECIFICATIONS:			
ASSUMPTIONS:	Admin is on the view profile page for the user they want to edit		
OPEN ISSUES:	10.		

USE CASE NAME:	Manage users		USE CASE TYPE Business Requirements:
USE CASE ID:			
PRIORITY:	High		
PRIMARY BUSINESS ACTOR:	<ul style="list-style-type: none"> Admin 		
OTHER PARTICIPATING ACTORS:	<ul style="list-style-type: none"> System 		
OTHER INTERESTED STAKEHOLDERS:			
SHORT DESCRIPTION:	Allows Admin to manage user accounts and profiles		
PRE-CONDITION:	Admin must be logged in their account		
TRIGGER:	Admin clicks the manage users button		
TYPICAL COURSE OF EVENTS:	Actor Action	System Response	
	1 Admin clicks manage users button	2 System displays options: view profiles, edit profiles, register accounts, delete accounts	
	3 Admin hovers over function to perform and click	4 System redirects to corresponding sub-use cases (explained previously)	
ALTERNATE COURSES:			
CONCLUSION:			
POST-CONDITION:			
BUSINESS RULES:			
IMPLEMENTATION CONSTRAINTS AND SPECIFICATIONS:			
ASSUMPTIONS:	Admin has the updated list of users		
OPEN ISSUES:	11.		

USE CASE NAME:	Display error notification		USE CASE TYPE Business Requirements:
USE CASE ID:			
PRIORITY:	High		
PRIMARY BUSINESS ACTOR:	<ul style="list-style-type: none"> User 		
OTHER PARTICIPATING ACTORS:	<ul style="list-style-type: none"> System Admin 		
OTHER INTERESTED STAKEHOLDERS:			
SHORT DESCRIPTION:	Allows users and admin to view error notification		
PRE-CONDITION:			
TRIGGER:	An attempt to perform a task fails		
TYPICAL COURSE OF EVENTS:	Actor Action	System Response	
	1 User/ Admin performs a task	2 System unable to complete action	
		3 Calculates the error type and cause	
		4 displays error and suggestion to fix it	
	5 Clicks confirm		
ALTERNATE COURSES:			
CONCLUSION:			
POST-CONDITION:			
BUSINESS RULES:			
IMPLEMENTATION CONSTRAINTS AND SPECIFICATIONS:			
ASSUMPTIONS:	A popup dialog box appears for notification		
OPEN ISSUES:	12.		

USE CASE NAME:	Display success notification		USE CASE TYPE Business Requirements:
USE CASE ID:			
PRIORITY:	High		
PRIMARY BUSINESS ACTOR:	<ul style="list-style-type: none"> User 		
OTHER PARTICIPATING ACTORS:	<ul style="list-style-type: none"> System Admin 		
OTHER INTERESTED STAKEHOLDERS:			
SHORT DESCRIPTION:	Allows users and admin to view success notification		
PRE-CONDITION:			
TRIGGER:	A task is completed		
TYPICAL COURSE OF EVENTS:	Actor Action	System Response	
	1 User/ Admin performs a task	2 System completes task	
		3 System updates	
		4 displays successful process completion notification	
	5 Clicks confirm		
ALTERNATE COURSES:			
CONCLUSION:			
POST-CONDITION:			
BUSINESS RULES:			
IMPLEMENTATION CONSTRAINTS AND SPECIFICATIONS:			
ASSUMPTIONS:	A popup dialog box appears for notification		
OPEN ISSUES:	13.		