

Software Requirement Specification

For

Project Name

Group Details

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Project Summary

This project deals with Expenses ,by using this software we can track our day to day life expenses. So that we can manage our annual budget wisely.

We will give an account access to our customers,by using it they can manage their spendings on weekly or monthly basis.

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1.1 Project Overview

Report Generation: Each and every entry is logged into the database and a user can view monthly or weekly report as per the requirement.

- Adding or deleting an entry: A user can easily modify each and every bill entry along with an option of attaching an image of the entry.
 - Graphical representation : A lucrative statistical of the budget is shown to the user for easy understanding
 - Phone and Email notification: An email and phone message will be sent to the user at the end of each month giving a brief summary of the monthly expenditure.
 - Display the current list of categories and the maximum monthly spending limit under each category
- .It alerts us when we exceeded the maximum spending budget.

1.2 Project Scope

In Scope:

Monthly statistics, Budget planning, Notifications (phn)

Out of Scope :

online transactions, balance enquiry

1.3 Development Process

We follow the agile model of software development. The product will be developed in following two sprints.

The Product Backlog are the following:

Module	Purpose
Login Management	Manage the user access
Profile Management	It helps user to maintain his personal details ,bank account details,we can edit our name,address,DOB,bank details etc.....
Setting Management	It helps to keep the system secure,we can change passwords,and also we can on/off alerts when monthly spending limit etc.....

First Sprint:

Module Name	Use Case	Description of Use case
Login management	Register	Register with profile details
	Login	Login to the product
	Change Password	Change password
Profile Management	Maintenance and Changing user details	It helps user to maintain his personal details, bank account details. We can edit our name, date of birth and bank details etc....
Setting Management		It helps to keep the system secure,we can change passwords,and also we can on/off alerts when monthly spending limit etc.....

Second Sprint:

2. Team Organization:

Developers: A.Bala krishna,B.Pavan Sai Eshwar Chandra

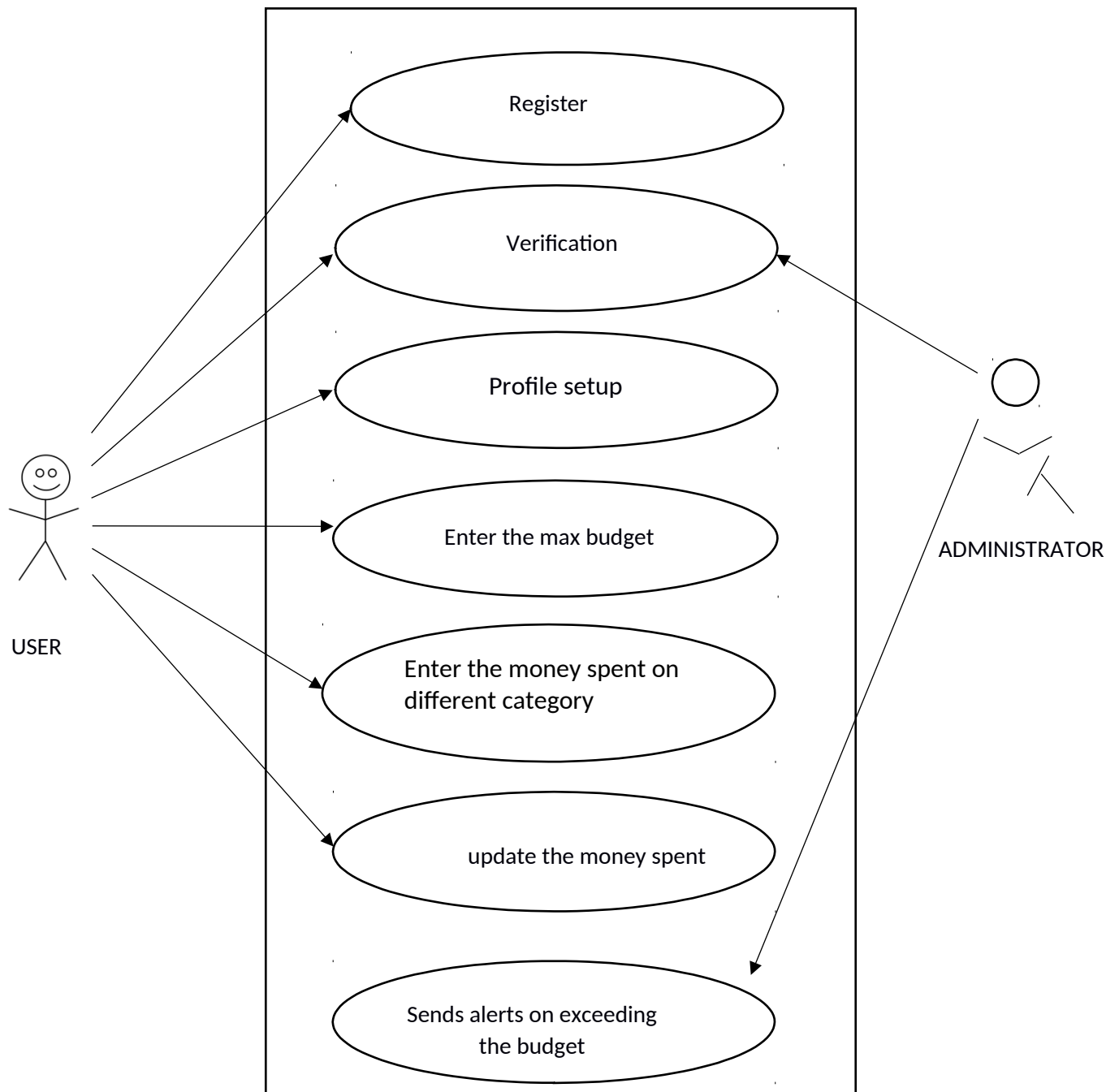
Testers: D.Ajay Kumar Reddy,G.Raghuveer

Scrum master: B.Sri Sai Krishna Chaitanya

3. Specific Requirements

Functional Requirements

I. Use case Diagram



Use case Scenarios

USE-CASE	Register
PRIMARY ACTOR	User
Goal in contex	To register an account for a first time user
Pre-conditions	The user needs to have the application installed.
Trigger	
Scenario	<ol style="list-style-type: none"> 1. The user opens the application. 2. The user has to click "Register" 3. Enter valid email address, password and phone number and press "Register".
Exceptions :	<ol style="list-style-type: none"> 1. The password is not having a minimum length of 8. 2. The entered phone number already have an account.
Priority	Essential, must be implemented
When available	First sprint
Open Issues :	

ASP.NET Identity

Create a new account.

User name

Email

Phone

Password

Confirm password

Register

[Login](#) if you have a local account.

www.techstrikers.com

Sign In or Sign Up

Mobile or Email

Password

[Show password](#)

Secure Sign In

Sign Up

USE-CASE	Verification of the account
PRIMARY ACTOR	Administrator, user
Goal in context	To verify the created account using OTP
Pre-conditions	Customer needs to have an accessible phone number
Trigger:	User registers for the account
Scenario	<ol style="list-style-type: none">1. As the user has clicked the "Register" button he/she is directed to the next page.2. The user will receive an OTP to the phone number given.3. This OTP is then retrieved and then correctly entered in the slot given.4. Once an OTP is entered, press "OK".5. A valid OTP will take the user to the next page.
Exceptions :	<ol style="list-style-type: none">1. There was a missing field that has to be filled in the register page.2a. The OTP entered is not received to the given phone number2b. If the user did not get the OTP, then he/she has to click on "Resend OTP".3. The entered OTP is wrong.
Priority	Essential, must be implemented
When available	First sprint
Open Issues :	



Enter One Time Password (OTP)

One Time Password (OTP) has been sent to your mobile
*****3867, please enter the same here to login.

[Get OTP on call](#)

Please enter OTP.

Login

[Know more about 2 Step Authentication](#)

Having trouble logging in? [Contact us](#)


USE-CASE	Profile setup
PRIMARY ACTOR	User
Goal in context	To store details of the user as entered by user
Pre-conditions	User must have an created and verified account
Trigger	User account is verified
Scenario	<ol style="list-style-type: none"> 1. The account is verified and redirected to a page to enter personal details. 2. The user enters name, age, DOB, gender, working place,addresss 3. The user clicks update. 4. The user details is stored and is redirected to dashboard page.
Exceptions	<p>If verification fails the personal detail page doesn't come up.</p> <p>All details have to be filled.</p>
Priority	Essential, must be implemented
When available	First sprint

Profile Setup

Name *

First Last

Date of Birth *

 / / 
MM DD YYYY

Gender *

- ☐ Male
☐ Female
☐ Other

Working place

Address

Street Address

Address Line 2

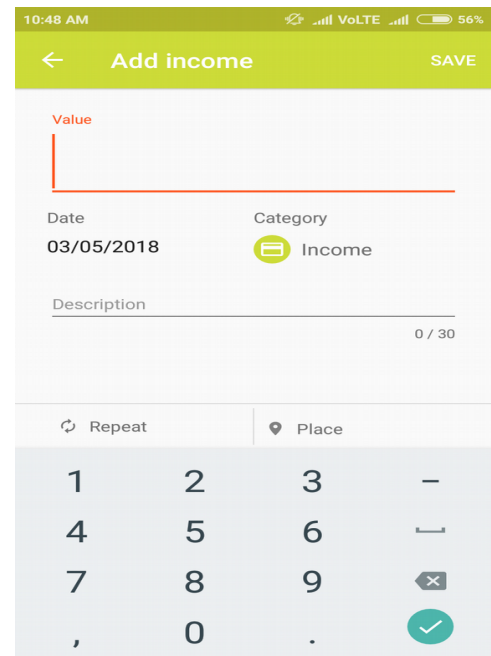
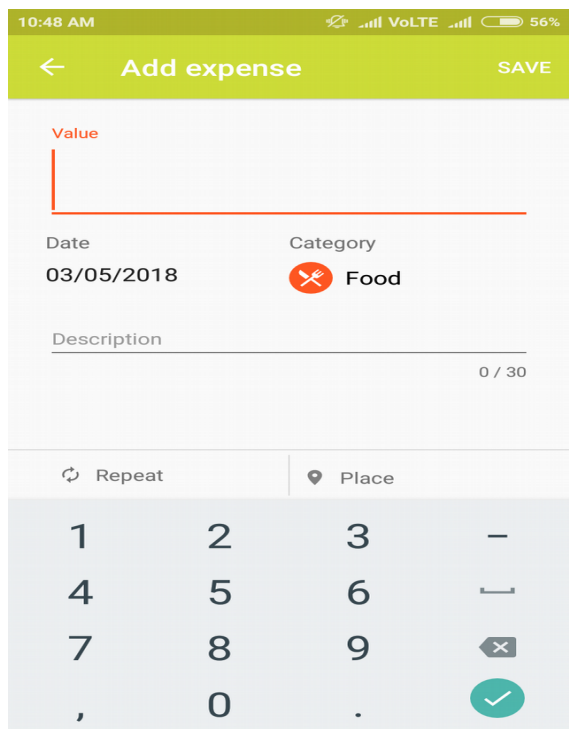
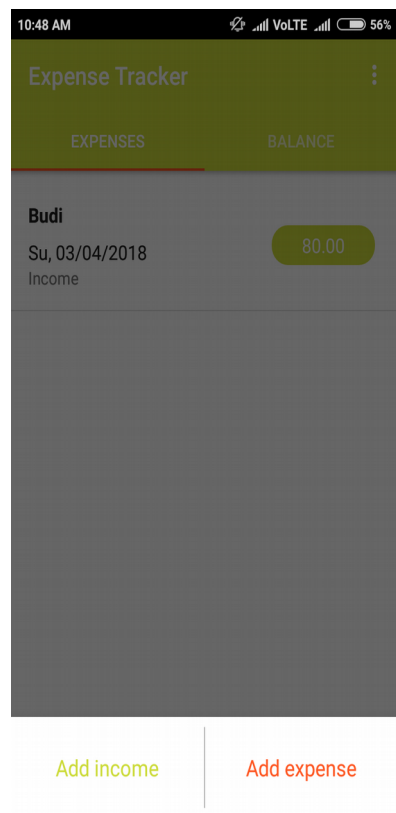
City

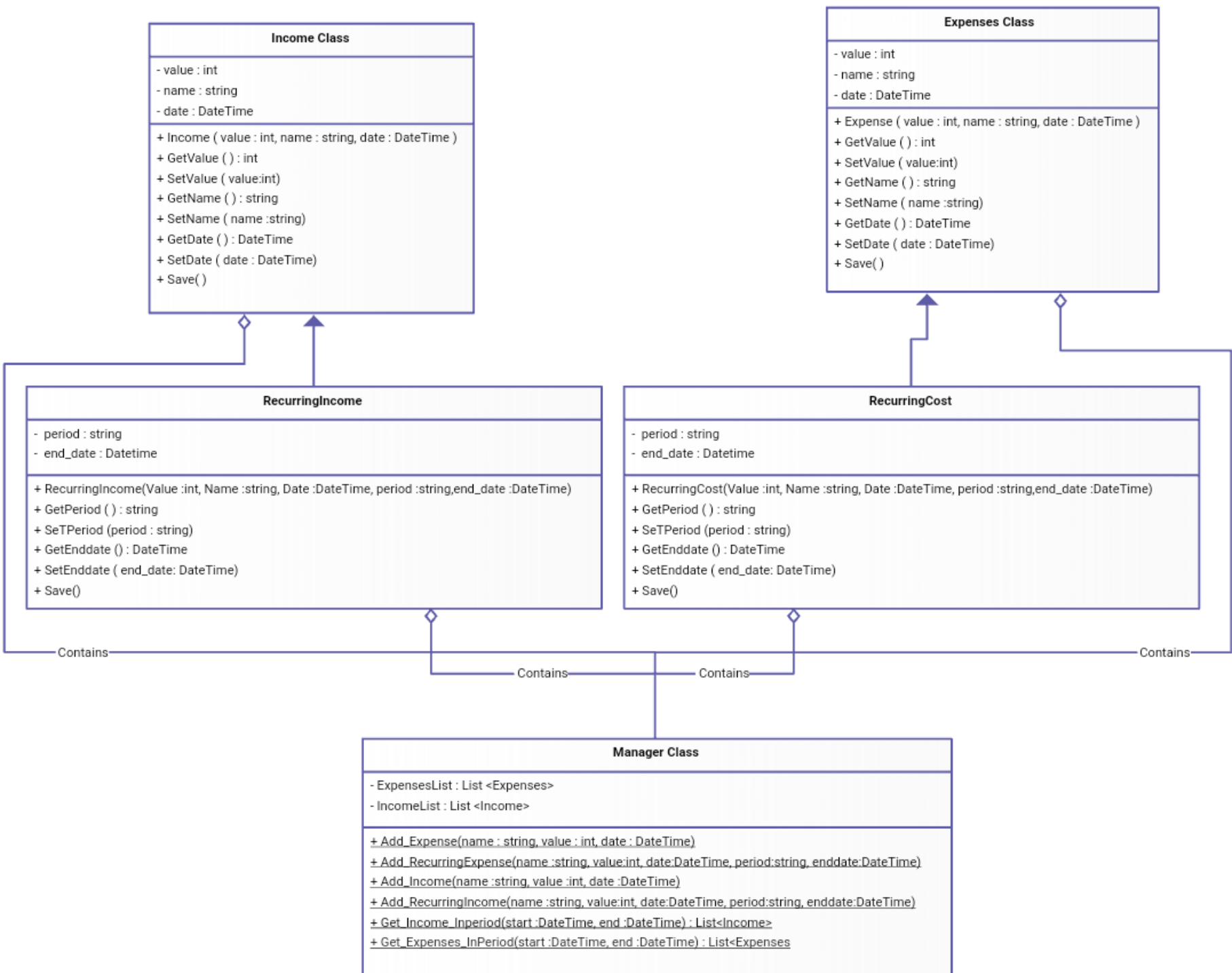
State / Province / Region

Postal / Zip Code

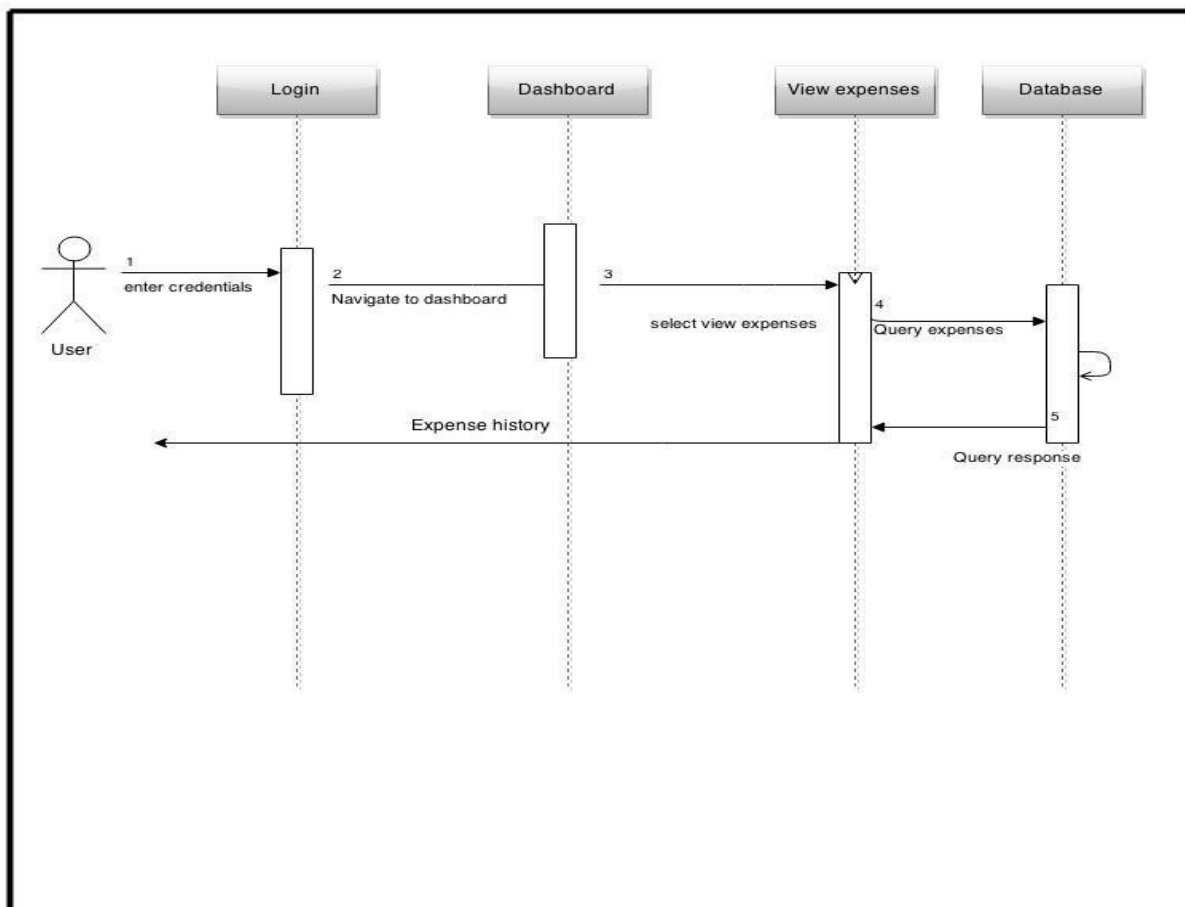
Country

USE-CASE	Expenses
PRIMARY ACTOR	User
Goal in context	To enter the money spent on different category
Pre-conditions	The user should have knowledge how to enter money in different categories
Trigger:	When “OK” button is clicked
Scenario	1. User must select the insert button 2. Then it will ask add expense or add income 3. If User click add income we can enter the money he/she earn and date is selected automatically and user may/may not give the description 4. If we click add expense user can enter value, and he/she has to select category ,date updated automatically, and description may be provided.
Exceptions :	2. The user did not fill every details
Priority	Essential, must be implemented
When available	First sprint
Open Issues :	

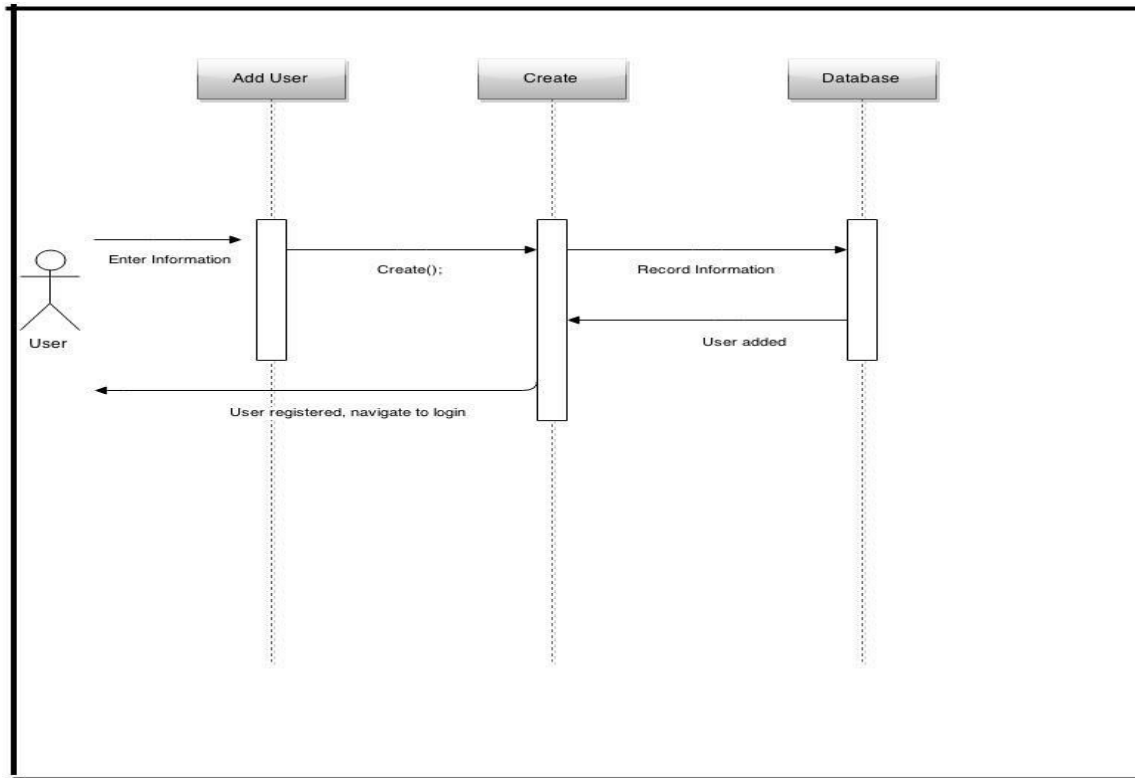




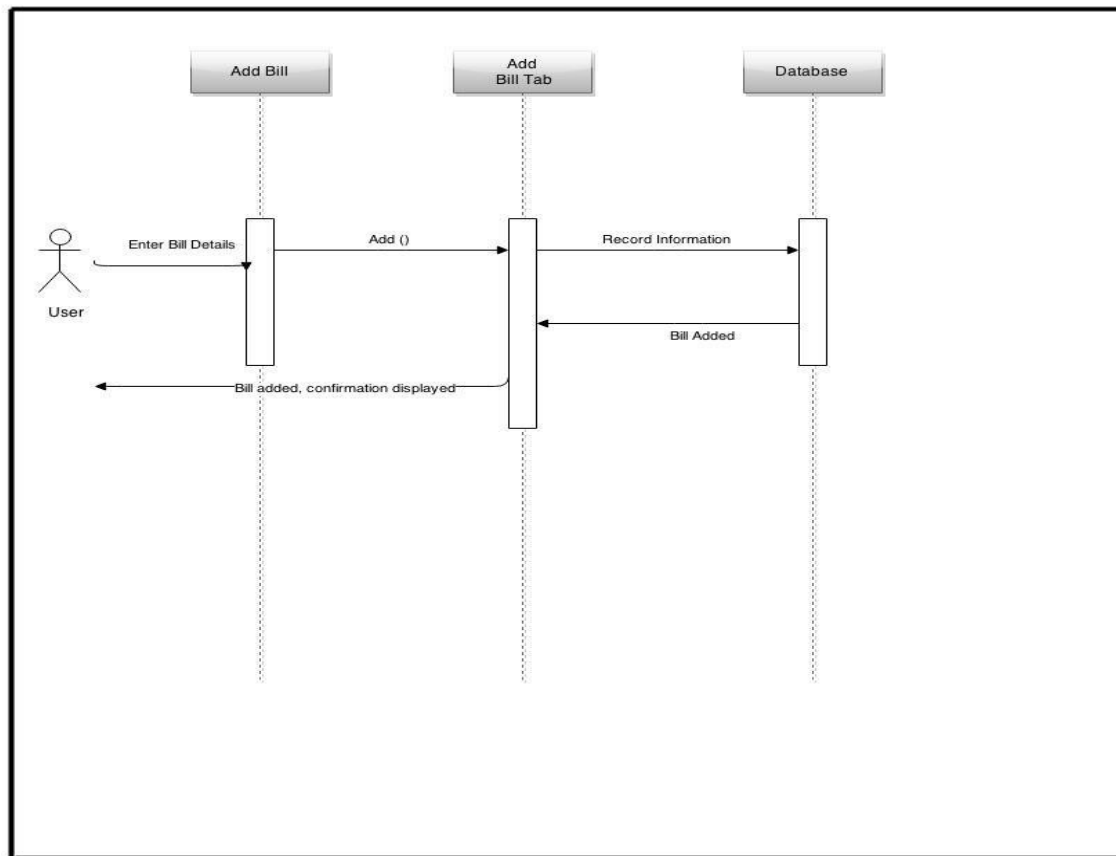
Adding New user



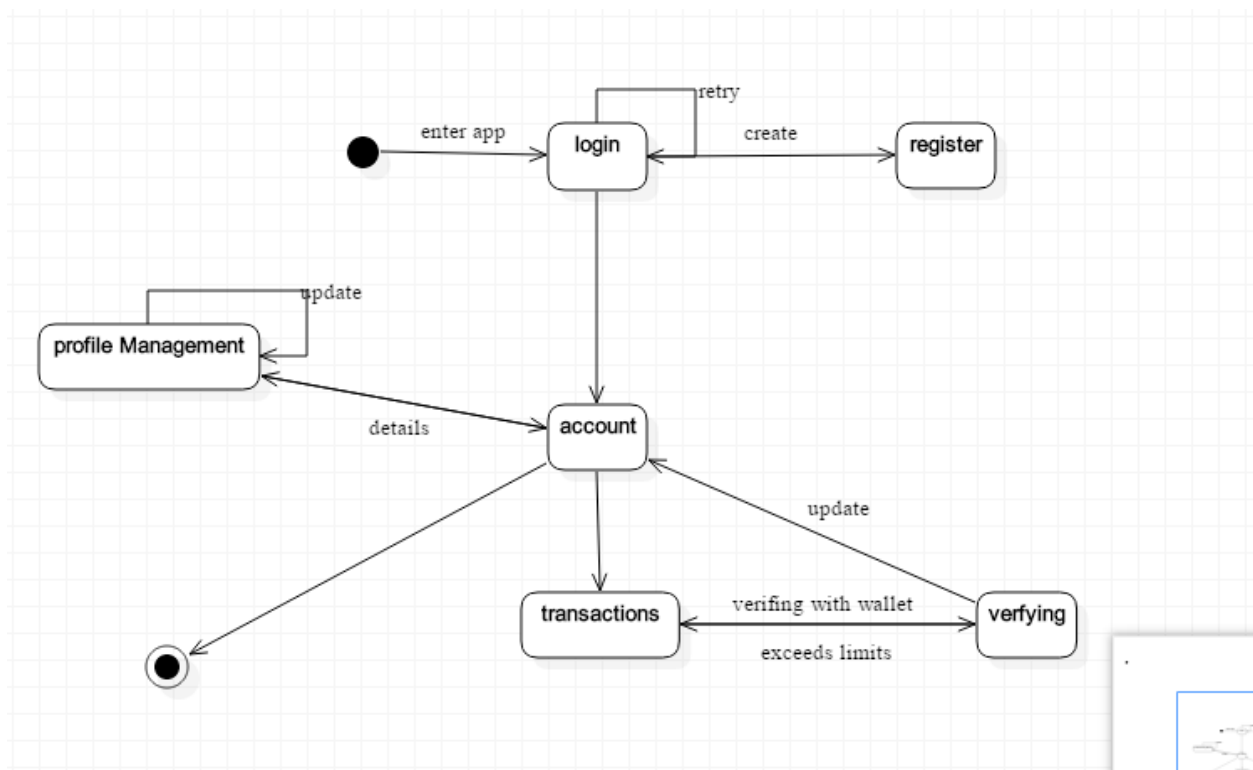
Adding new Bill



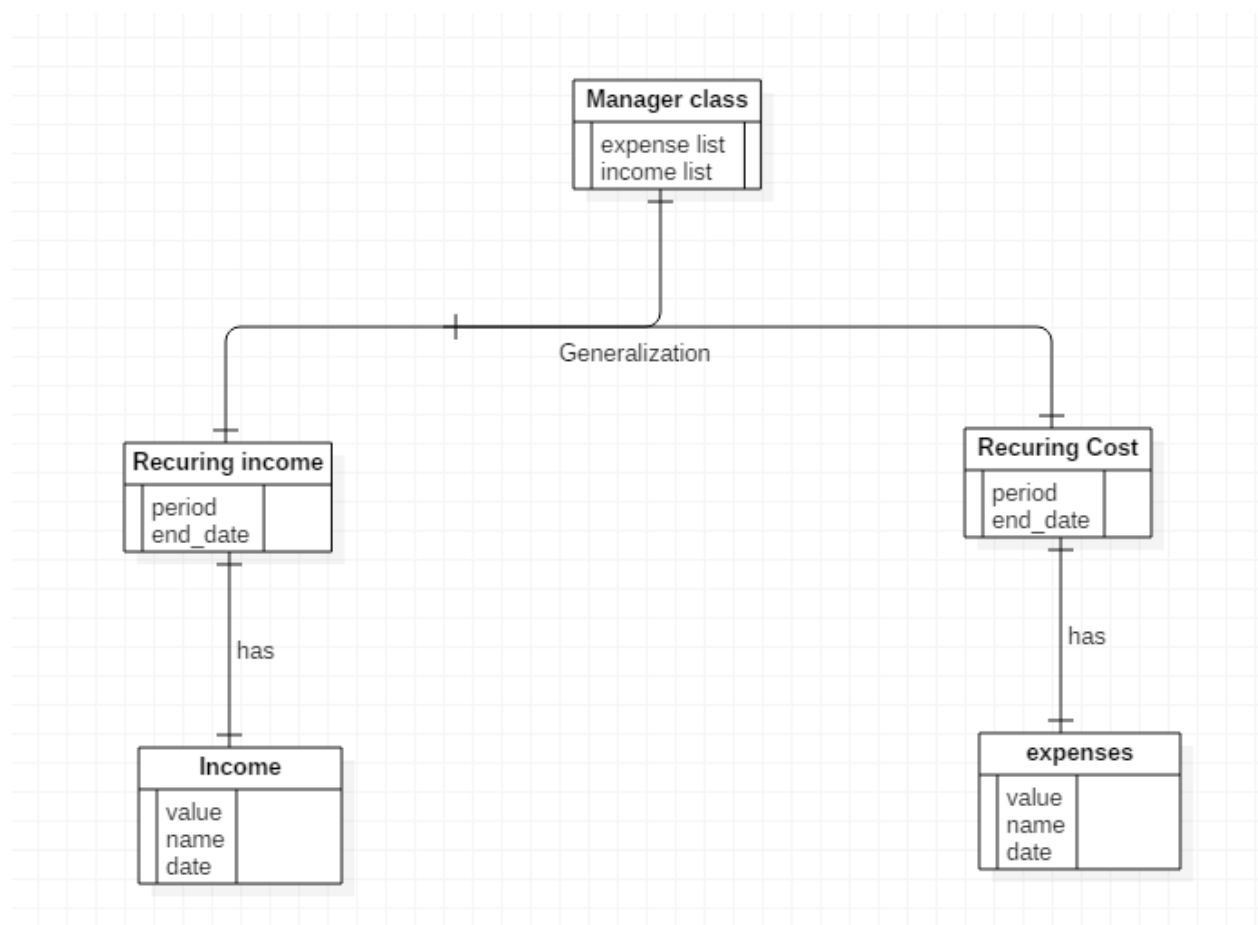
View Expenses



State Diagram



Er Diagram



Test Cases

Test Case ID	Purpose	Test Cases	Expected Results
1)	Installation Of Expense Tracker	Click on the Expense Tracker installation Program	System should ask the user for the home directory in which all the working files will be created. Along with that system should ask for the initial login and password
2)	Login	1.Enter the Username. 2.Enter the Password.	If the username and password entered is correct then it will go to next screen else it shows user is not registered.
3)	Authentication	Maximum 10 character valid-id / available in database. (1)	ID accepted
4)	Authentication	Maximum 10 character valid-id / not available in database	Please enter valid details
5)	Authentication	ID with spaces in between	Please enter valid details
6)	Authentication	ID left blank	Please enter valid details
7)	Authentication	ID with special characters at beginning	Please enter valid details
8)	Authentication	ID with special characters in between	Please enter valid details
9)	Authentication	ID with length less than minimum length	Please enter valid details
10)	Authentication	ID with length more than 10 characters	Please enter valid details

11)	Authentication	ID with spaces at beginning	Please enter valid details
12)	OTP	Enter the OTP recieved	It shows the next screen else enter the valid OTP.
13)	Profile Management	Enter personal details, bank account details, Name, Date of birth, Address and Age	Personal details have been updated.
14)	Setting Management	Password changing 1) Enter the current password 2) Enter the new password 3) ReEnter the new password	Password has been Changed.

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Test Case ID	Purpose	Test Cases	View following result
1)	Authentication	Maximum 10 character valid password/available in database(staff)	Accepted
2)	Authentication	Password with blank spaces at beginning	Please enter valid details
3)	Authentication	Password with blank spaces at end	Please enter valid details
4)	Authentication	Password with special characters at any position	Please enter valid details
5)	Authentication	Password with blank spaces in between	Please enter valid details

