

Daily Expense Tracker: An Android Based Mobile Application

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This Report Presented in Partial Fulfillment of the Requirements for the Degree of Bachelor of Science in Computer Science and Engineering.

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September 2019

APPROVAL

This Project titled “**Daily Expense Tracker: An Android Based Mobile Application**” submitted by Md. Abdul Karim and Taslima Yesmin Orin, Id no: 163-15-8293, 163-15-8356 to the Department of Computer Science and Engineering, Daffodil International University, has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of B.Sc. in Computer Science and Engineering and approved as to its style and contents. The presentation has been held on 13/09/2019.

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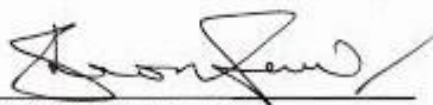
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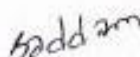
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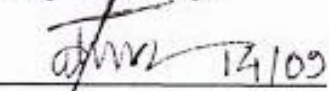
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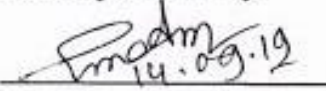
We hereby declare that, this project has been done by us under the supervision of **Tasnim Ahmed, Lecturer, Department of CSE** Daffodil International University. We also declare that neither this project nor any part of this project has been submitted elsewhere for award of any degree or diploma.

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 14/09/19

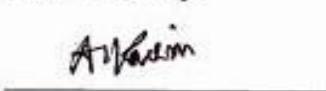
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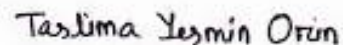
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ACKNOWLEDGEMENT

First, we express our heartiest thanks and gratefulness to almighty Allah for Her divine blessing makes us possible to complete our final year project successful. But there are others, without their support, encouragement and appreciation we would not be able to bring our project into light of success. We, from the core of our heart, want to thank them all.

We want to thank our honorable supervisor **Tasnim Ahmed, Lecturer**, Department of Computer Science & Engineering, and Daffodil International University, Dhaka. Deep knowledge and keen interest of our supervisor in the field of “Android Application Development”, to carry out this project. Her endless patience, encouragement, expert advice and above all her friendly behavior towards us have made it possible to complete this project.

We would like to express my special thanks of gratitude to Dr. Syed Akhter Hossain, Head, Department of Computer Science & Engineering (CSE), for his kind help to finish our project and also to other faculty member and the staff of Computer Science and Engineering department of Daffodil International University.

Next, we must thank and acknowledge our university, Daffodil International University. We also want to thank our beloved classmates and other students of the university who took part in research purpose for our project and appreciated our work.

Lastly, we want to thank our beloved families, who were always by our side and kept faith on us. Without our family support, we could never be here; we cordially thank them for this. We also thank our friends for their support and help to us.

ABSTRACT

This project is based on expense and income tracking system. This project aims to create an easy, faster and smooth tracking system between the expense and the income. This project also offers some opportunities that will help the user to sustain all financial activities like digital automated diary. So, for the better expense tracking system, we developed our project that will help the users a lot. Most of the people cannot track their expense and income one way they face in money crisis, in this case daily expense tracker can help the people to tracking income-expense day to day and making life tension free. Money is the most valuable portion of our daily life and without money we will not last one day in the earth. So uses the daily expense tracker application is important to load happy family. Daily expense tracker helps the user to avoid unexpected expenses and bad financial situation. This Project will save time and provide a responsible lifestyle. This system is made and supervised by the experts and satisfying by the user. XML, JAVA, SQLite database, Android Studio are used to develop the system. The system is tested by over 5 users, and 80% of them found the system useful.

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CHAPTER 1

Introduction

1.1 Introduction

A **Daily Expense Tracker** is a one kind of digital diary that help to keep an eye on all of our money related transition and also provides all financial activities report daily, weekly, monthly and yearly. User gets notification to record expenses and incomes that are help to tracking system of the application. All information is saved in offline mode so user can easily access any time and any palaces. User interface of the Daily Expense Tracker is very simple and attractive so it is easy to understand and the best way to record our financial data.

1.2 Motivation

The motivation to work in this project is actually our real-life experience. As a user We face many difficulties in our daily file. In our daily life money is the most important portion and without we cannot last one day in the earth but if we keep on track all financial data then we can be overcome this problem. Most of the people cannot track their expense and income one way the face in money crisis and depression. This situation motivates us to make an android app to tracking all financial activities. Using the Daily Expense Tracker user can be tracking expense day to day and making life tension free.

1.3 Objective

Our goal is to create an expense tracking system where user can be tracking all financial activities and view previous income and expense report.

- User can easily review the reports daily, weekly, monthly or yearly.
- User can update or delete records.
- User can get notification daily.
- Create Category and Change currency.
- User can also change Notification time and modify some features.
- Add Expense and Income

1.4 Expected Outcome

The main objective of this project is support to the user to sustain all financial activities as like digital automated dairy. This application helps the user to avoid unexpected expenses and bad financial situation.

- Using this application, user can manage all financial data and tracking all expense and income with category wise.
- Creating category and record all expense and income under the category.
- Enable the notification system user get notification daily at a specific time that are help the user insert expense and income.
- Backup and Restore all information.
- Report are generated in PDF format in category wise or time period.

1.5 Report Layout

“Daily Expense Tracker” is an android based mobile application which we are developing.

Chapter No	Chapter Name	Discuss in Details
1	Introduction	Introduction , Motivation, Objective, Expected Outcome
2	Background	Introduction, Related Works, Comparative Studies, Scope of the Problem, Challenges
3	Requirements Specification	Business Process Modeling, Requirement Collection and Analysis, Use Case Modeling and Description, Logical Data Model, Design Requirements.
4	Implementation and Testing	Front-end Design, Back-end Design
5	Implementation and Testing	Implementation of Database, Implementation of Front-end Design, Testing Implementation, Test Results and Report.
06	Conclusion	Future Scope

CHAPTER 2

Background

2.1 Introduction

Daily Expense is a simple application for Android devices. Writing in a user's pocket handbook is as convenient and easy as it is, because of this application, the user will be able to debit the account through his smart phone without any hassle under any circumstances. Users just need to enter revenue and expense as their revenue and speed, and the app calculates it for users. This application is very easy, fast and secure with money calculation and offline mode service.

2.2 Related Works

We looked through the Google play store and found some apps that are similar to our application but there are some features missing which this type of application need to have. So we combined all the features in our app and added some new features and make it useful with better UI.

Some related works are mentioned below with a short detail:

- Monefy Money Manager [1]: How to track your expenses successfully? We know that it's easy. You only need to add each expense you do... no more than that! And Monefy is going to help you. Just add new records when you are buying a coffee or taking a taxi. It's done in one click, because you don't need to fill anything except the amount. It has never been so quick and enjoyable!
- Expenses Tracker [2]: Expense Tracker - Money Manager & Budget can quickly and easily track your income and expenses, which will help you avoid making accidental expenses.
- Expense Manager [3]: Expense Manager is simple, intuitive, stable and feature-rich app that is just designed for you. Everything you need at your fingertips to manage the expenditures, checkbook and budgets.

2.3 Comparative Studies

We have studied some similar applications and find some problem these are not working in offline mode. There are some limitations to their application, which we do not have in our application. In some applications, there are no login and signup options, which is required for the security of a user's information. However, in our application, we have a login and signup which is required for user data security and has a dashboard for monitoring the entire system.

This application is very simple and user-friendly application for the common people. The main goal of the project is to make the system offline and perform more tasks in short period of time.

2.4 Scope of the Problem

After discussing our application functions and comparing them to other existing applications, some features were found lacking. This is a new application that will attract the public user through its features.

2.5 Challenges

There are always some challenges. We have to face some challenges as well, since the main purpose of our application is to tracking the user's expense.

- This is an Android-based mobile application, so if a user does not have an Android phone then this application will not help him.
- After getting notifications if a user doesn't check his phone for full information then the main motto of this app will be failed.

CHAPTER 3

Requirement Specification

3.1 Business Process Mode

The business process model is shown by the fig 3.1 below.

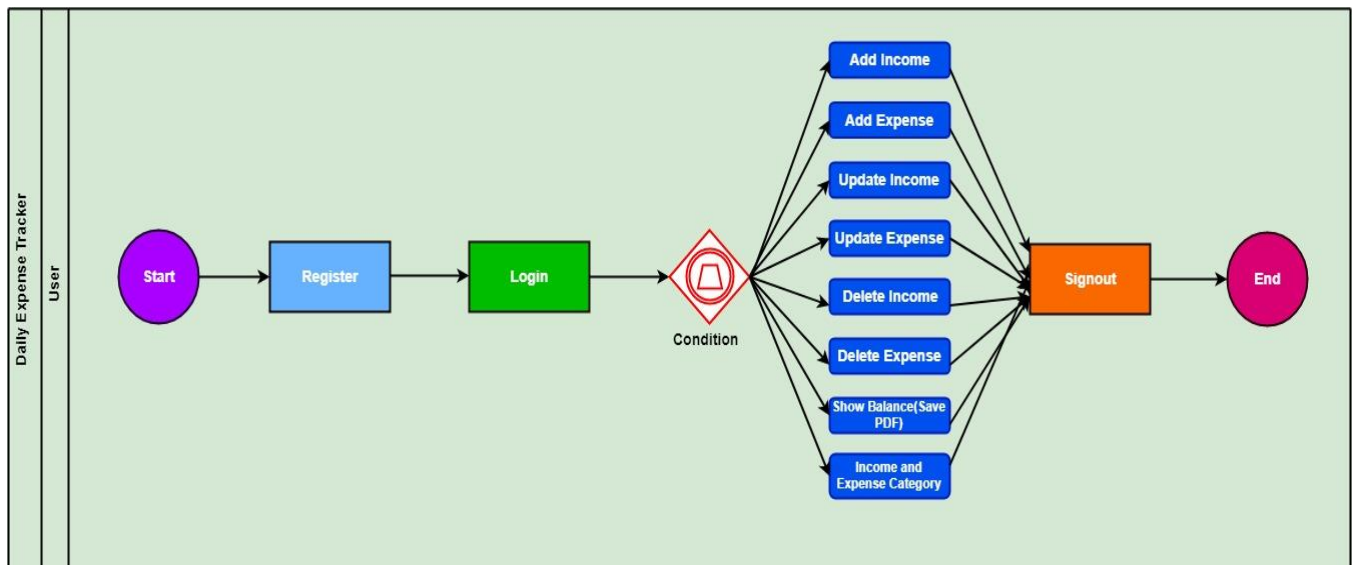


Fig 3.1: Business Process Model of Daily Expense Tracker

3.2 Requirement Collection and Analysis

In order to have a successful application you need to know what users need from them.

The application we are creating is an offline based application, which users can easily use.

Below are some of its features.

- User has to log in and signup system.
- User can add income, expenses.
- User can Update and delete income, expenses.
- Users can check their report monthly and yearly.

3.3 Hardware & Software Requirement for System

- Before creating the application, we need to look after the minimum requirement of hardware and software to run it. There are some requirements to run this application.
- The following requirements are needed to use the application:
 1. Google play store.
 2. RAM minimum 1GB.
 3. Operating System: Android.

3.4 Analysis

We should look at a lot of android applications which are related to our application and discover what features they were missed. Everything we are using is real-time so we decided to use SQLite as our database.

3.5 Use Case Modeling and Description

The Use Case is shown by the fig 3.2 below.

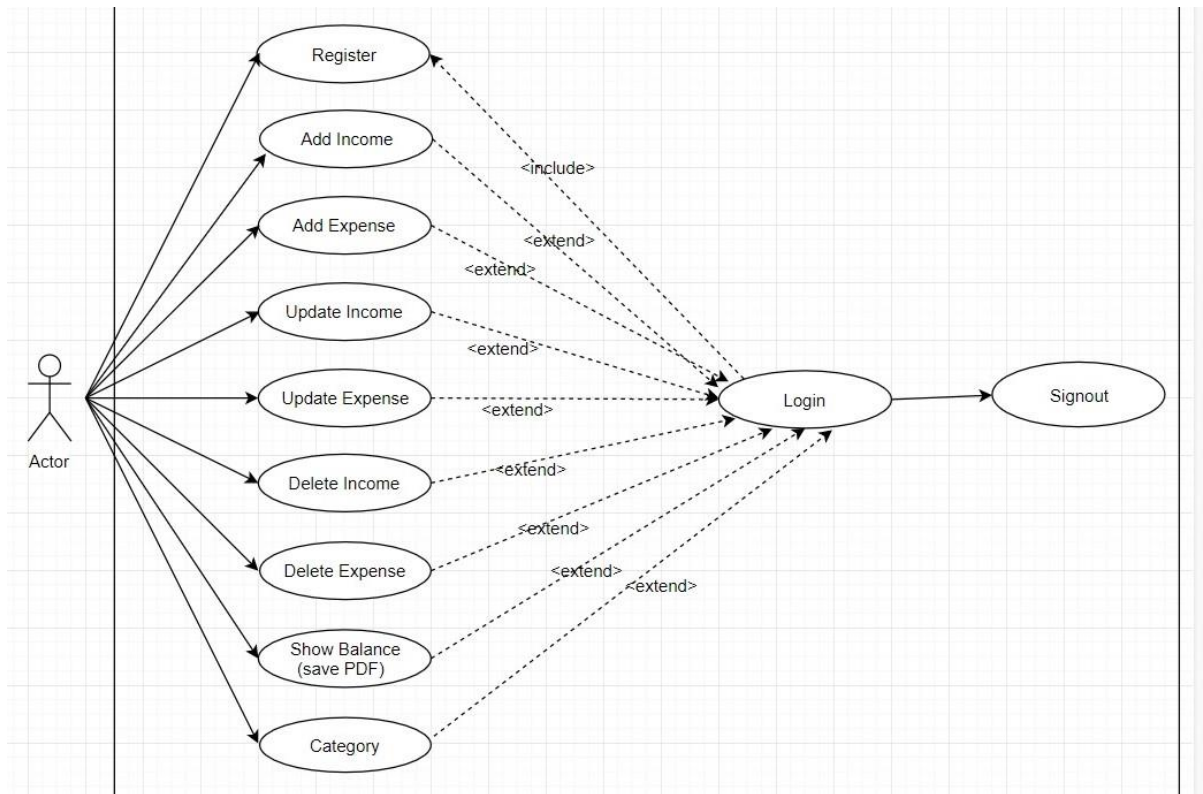


Fig 3.2: Diagram of Use Case for Daily Expense Tracker

Table 3.1: Description of Use Case for Registration

Name:	Registration
Precondition:	None
Actor	User
Primary Path:	1)Type Name 2)Type Email 3)Type Pass 4)Type Confirm Pass 5)Press Registration ‘Button’
Exceptional Path:	1.1) Name is required 2.1) Email is required 3.1) Pass is required 3.2) Password must be larger than 6 characters

Table 3.2 Description of Use Case for Login

Name:	Login
Precondition:	Registration
Actor	User
Primary Path:	1) Type Email 2) Type Pass 3) Click Login ‘Button’

Exceptional Path:	2.1) Email is required 3.1) Pass is required 3.2) Pass must be larger than 6 characters
--------------------------	---

Table 3.3: Description of Use Case for Add Income

Name:	Add Income
Precondition:	Login
Actor:	User
Primary Path:	1) user can add income
Exceptional Path:	1) Add Income is require

Table 3.4: Description of Use Case for Add Expenses

Name:	Add Expenses
Precondition:	Login
Actor:	User
Primary Path:	1) user can add expenses
Exceptional Path:	1) Add Expenses is require

Table 3.5: Description of Use Case for Delete Income

Name:	Delete Income
Precondition:	Login
Actor:	User
Primary Path:	1) user can delete income
Exceptional Path:	1) Delete Income is require

Table 3.6: Description of Use Case for Delete Expenses

Name:	Delete Expenses
Precondition:	Login
Actor:	User
Primary Path:	1) user can delete expenses
Exceptional Path:	1) Delete Expenses is require

Table 3.7: Description of Use Case for Update Income

Name:	Update Income
Precondition:	Login
Actor:	User
Primary Path:	1) user can update income
Exceptional Path:	1) Update Income is require

Table 3.8: Description of Use Case for Update Expenses

Name:	Update Expenses
Precondition:	Login
Actor:	User
Primary Path:	1) user can update expenses
Exceptional Path:	1) Update Expenses is require

Table 3.9: Description of Use Case for Show Balance

Name:	Show Balance
Precondition:	Login
Actor:	User
Primary Path:	1) user can show balance(save PDF)
Exceptional Path:	1) Show Balance is require

Table 3.1.1: Description of Use Case for Category

Name:	Category
Precondition:	Login
Actor:	User
Primary Path:	1) user can add income and expense category
Exceptional Path:	1) Category is require

3.6 Logical Data Model

The Logical Data Model is shown by the fig 3.3 below.

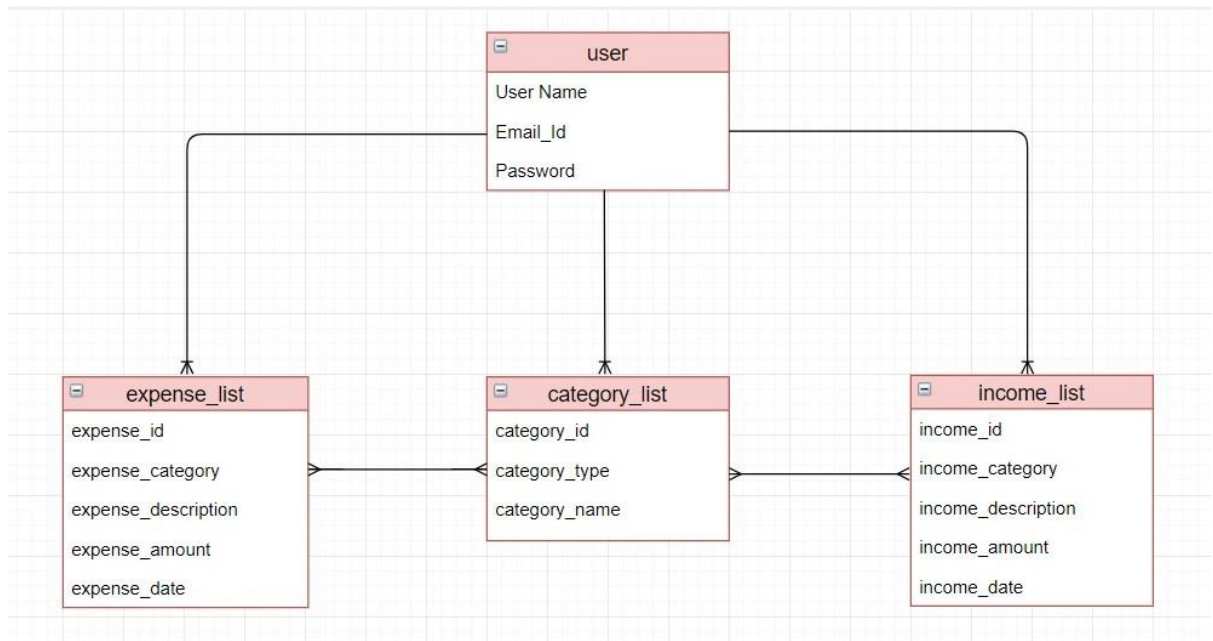


Fig 3.3: Logical Data Model of Daily Expense Tracker

3.7 Design Requirement'

Android Studio

Android Studio [4] is a great platform for building any android application. It is much more efficient. Android is a system developed by Google and is a mobile operating system. It is designed primarily for touchscreen mobiles such as smart phones and tablets. It has many library functions that will help a user to easily create applications.

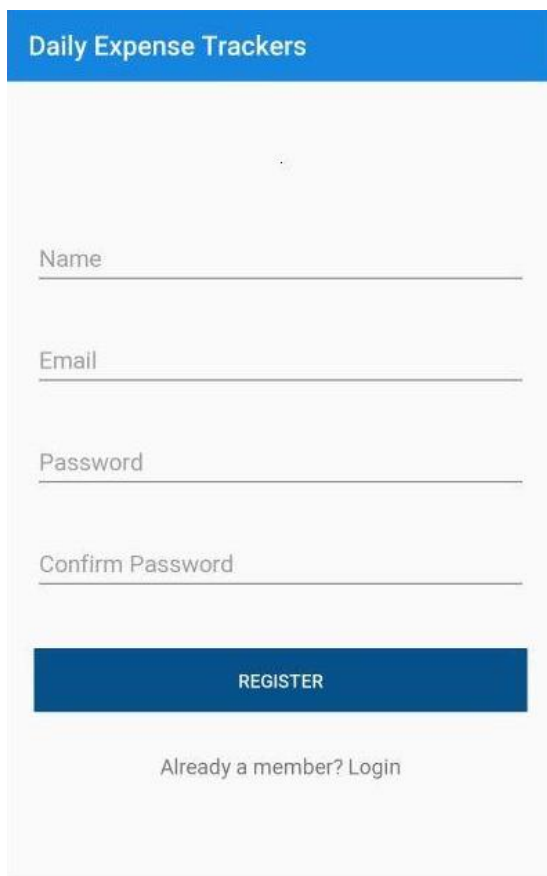
CHAPTER 4

Design Specification

4.1 Front-end Design

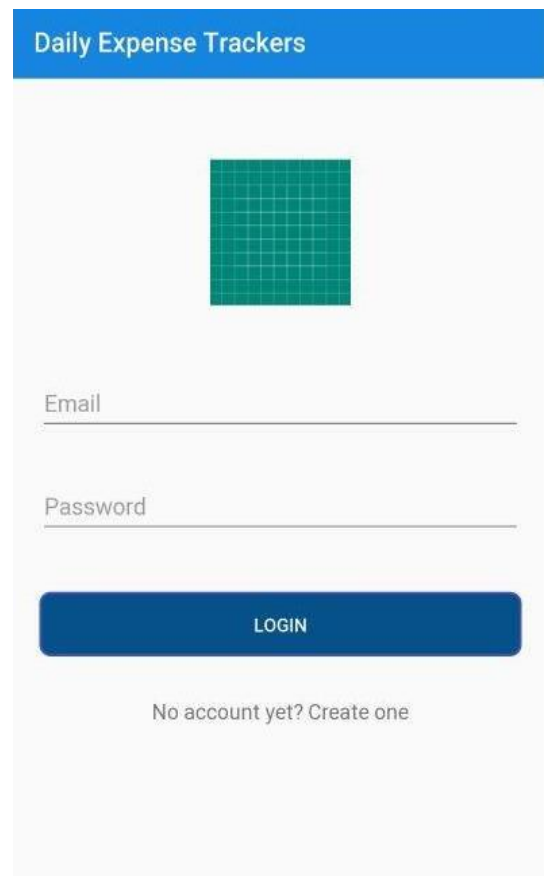
The front in design plays an important role for any application. This has a lot to do with making the user-friendly with the interface. We used in front-end design in XML Below is the interface for our users.

The fig 4.1 and fig 4.2 is given below is Register and login interface.



The registration interface features a blue header with the text "Daily Expense Trackers". Below the header, there is a small circular profile icon. The form includes four input fields: "Name", "Email", "Password", and "Confirm Password". A prominent blue "REGISTER" button is positioned below the input fields. At the bottom, there is a link that reads "Already a member? Login".

Fig 4.1: User registration



The login interface features a blue header with the text "Daily Expense Trackers". Below the header, there is a green square grid icon. The form includes two input fields: "Email" and "Password". A prominent blue "LOGIN" button is positioned below the input fields. At the bottom, there is a link that reads "No account yet? Create one".

Fig 4.2: User Log in Interface

The fig 4.3 and fig 4.4 is given below is dashboard and dashboard option button for User interface. User can easily view the balance in the current month.

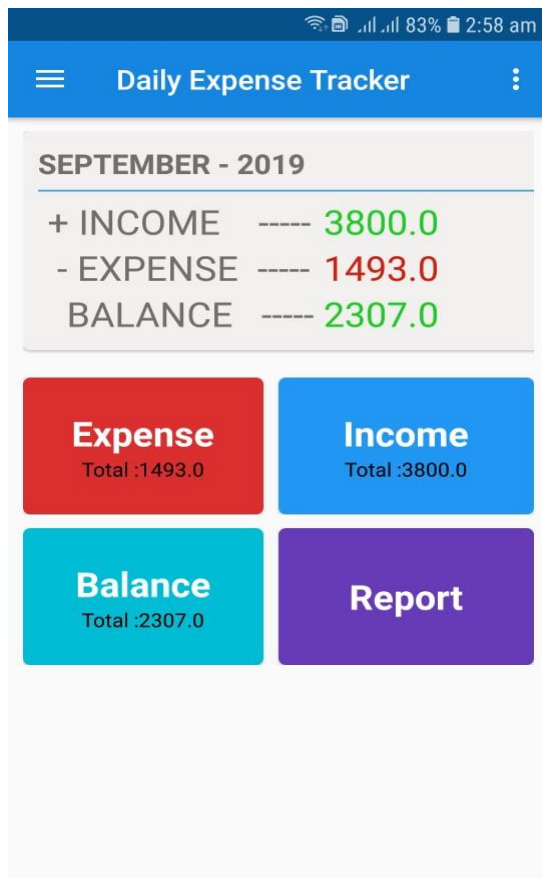


Fig 4.3: Dashboard

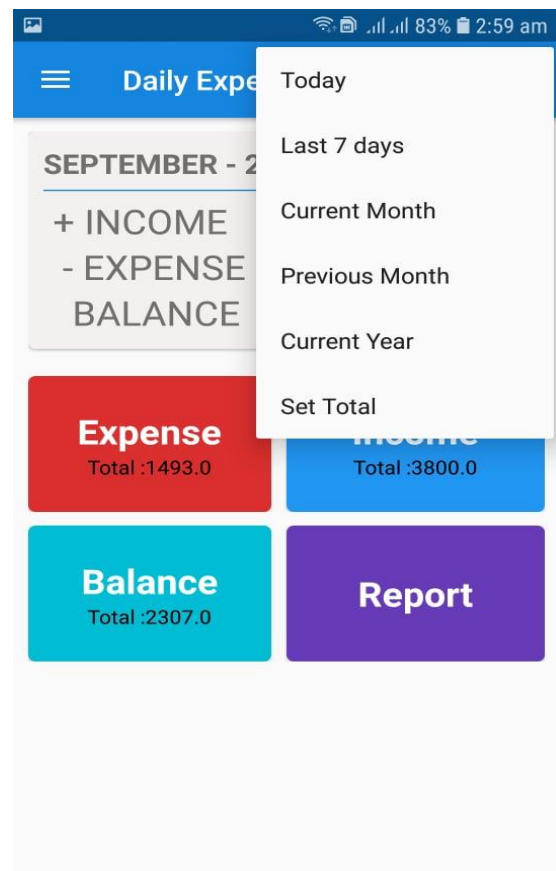


Fig 4.4: Dashboard with Option Menu

The fig 4.5 and fig 4.6 is given below is income list and add income for User. User can view all income and add the income.

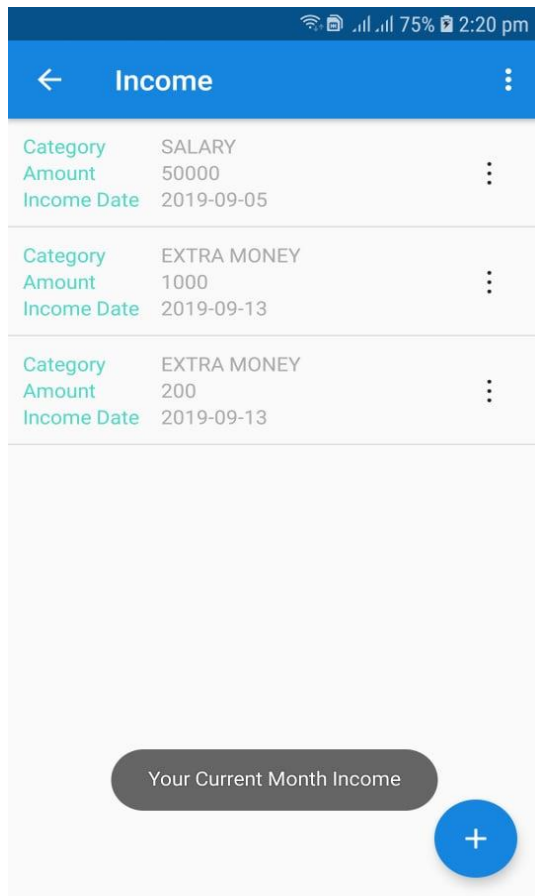


Fig 4.5: Income List

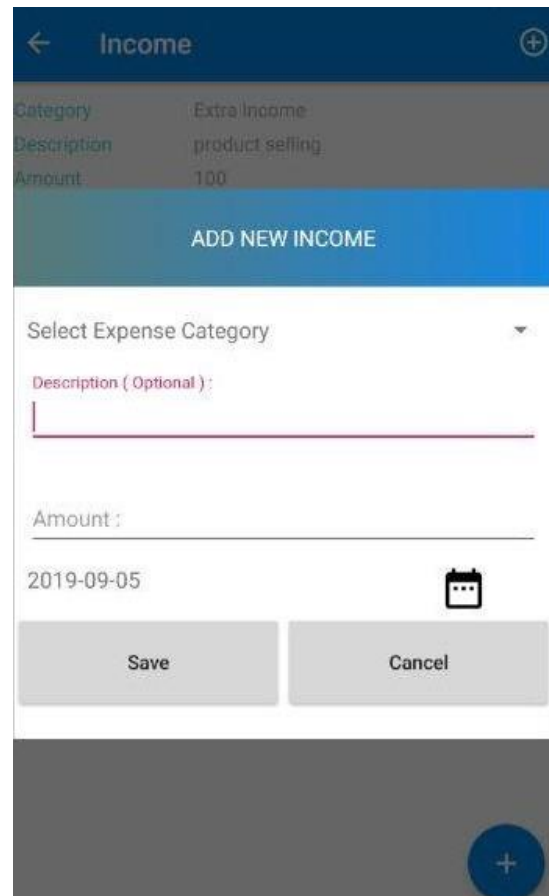
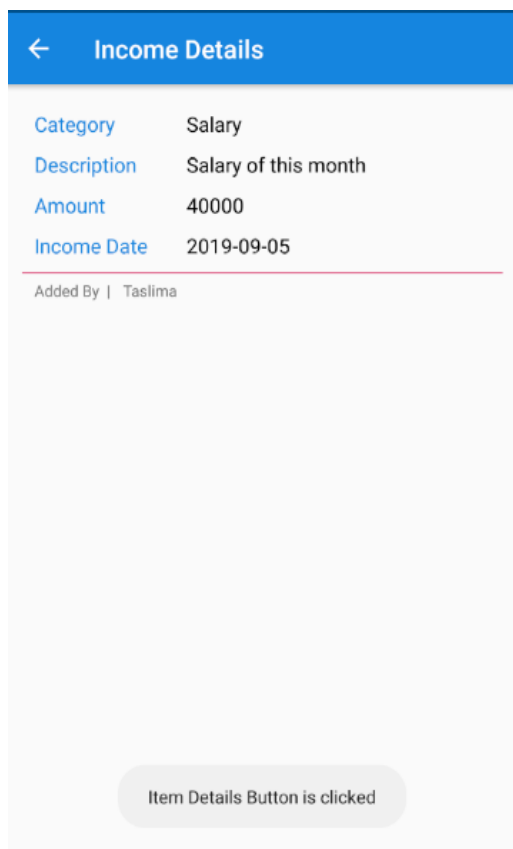


Fig 4.6: Add Income

The fig 4.7 and fig 4.8 is given below is income details and update income for User. User can update income and view income details.



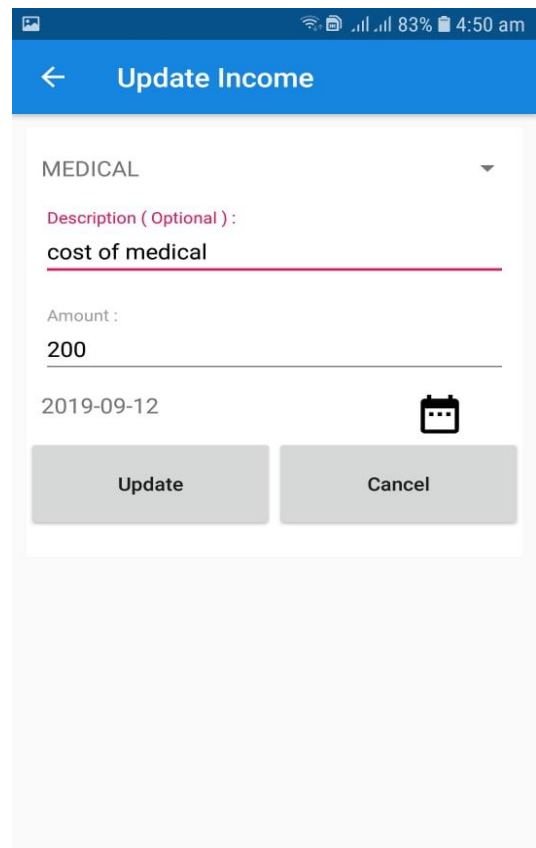
The 'Income Details' screen features a blue header with a back arrow and the title 'Income Details'. Below the header, a list of details is displayed: 'Category' (Salary), 'Description' (Salary of this month), 'Amount' (40000), and 'Income Date' (2019-09-05). A horizontal line separates this from the 'Added By | Taslima' text. At the bottom, a light gray button labeled 'Item Details Button is clicked' is visible.

Category	Salary
Description	Salary of this month
Amount	40000
Income Date	2019-09-05

Added By | Taslima

Item Details Button is clicked

Fig 4.7: Income Details



The 'Update Income' screen has a blue header with a back arrow and the title 'Update Income'. The status bar at the top shows 83% battery and 4:50 am. The form contains a 'MEDICAL' category dropdown, a 'Description (Optional) : cost of medical' field, an 'Amount : 200' field, and a date field '2019-09-12' with a calendar icon. At the bottom are 'Update' and 'Cancel' buttons.

MEDICAL

Description (Optional) :
cost of medical

Amount :
200

2019-09-12

Update Cancel

Fig 4.8: Update Income

The fig 4.9 and fig 4.1.1 is given below is delete income and expense list for User.

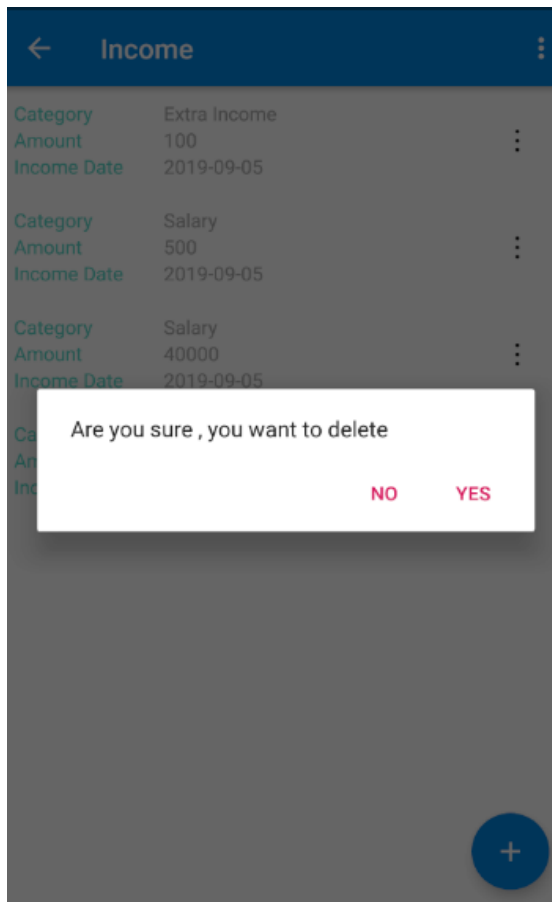


Fig 4.9: Delete Income

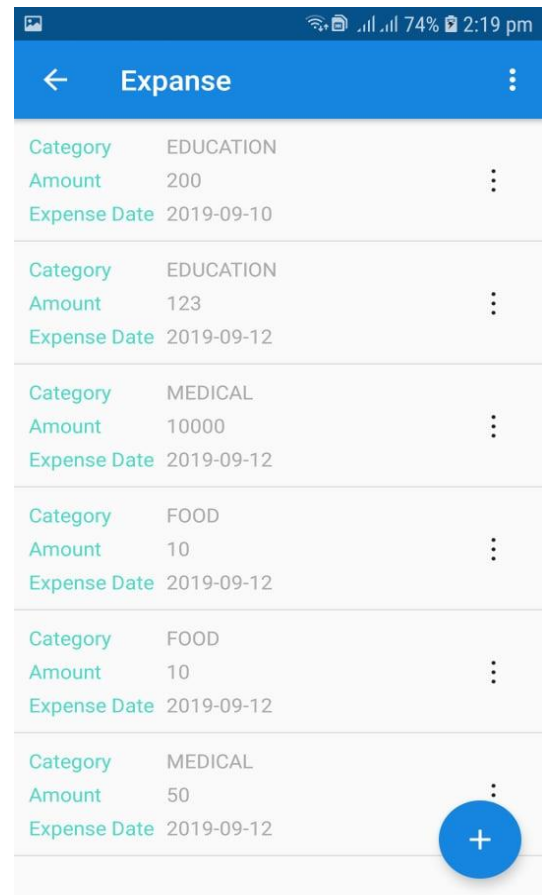


Fig 4.1.1: Expense List

The fig 4.1.2 and fig 4.1.3 is given below is add expense and expense details for User.

The screenshot shows a mobile application interface for managing expenses. At the top, there's a dark blue header with a back arrow and the word 'Expense'. Below this, a list of existing expenses is visible, with the top one showing 'Category: EDUCATION' and 'Amount: 200'. A modal titled 'ADD NEW EXPENSE' is open in the center. It contains a dropdown menu for 'Select Expense Category', a text input field for 'Description (Optional):', another text input field for 'Amount:', and a date picker showing '2019-09-13'. At the bottom of the modal are 'Save' and 'Cancel' buttons. The background is slightly dimmed.

Fig 4.1.2: Add Expenses

The screenshot shows the 'Expense Details' screen. It has a blue header with a back arrow and the title 'Expense Details'. The main content area displays the details of an expense: 'Category: Education', 'Description: New book', 'Amount: 30', and 'Expense Date: 2019-08-20'. Below this, there's a section for 'Added By' with the value 'Test'. The background is a light gray.

Fig 4.1.3: Expense Details

The fig 4.1.4 and fig 4.1.5 is given below is update expense and delete expense for User.

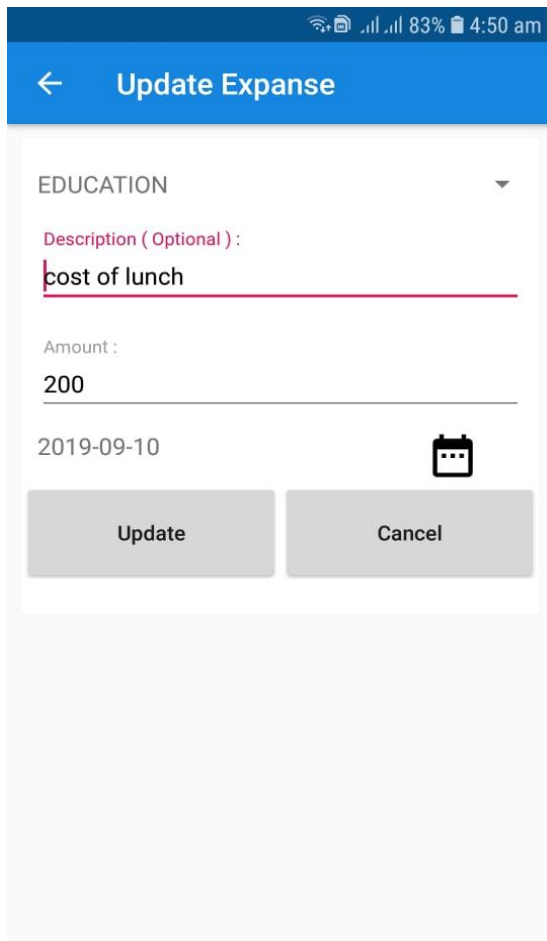


Fig 4.1.4: Update Expense

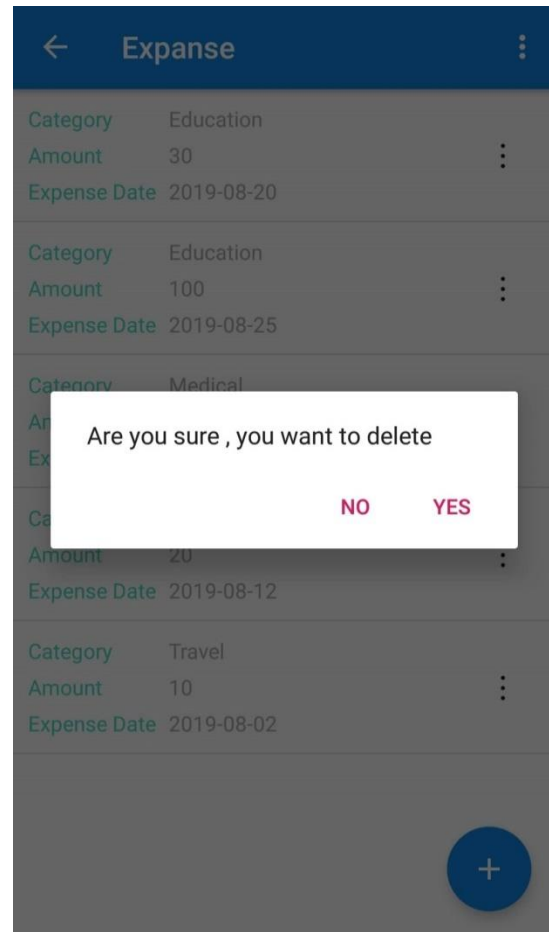
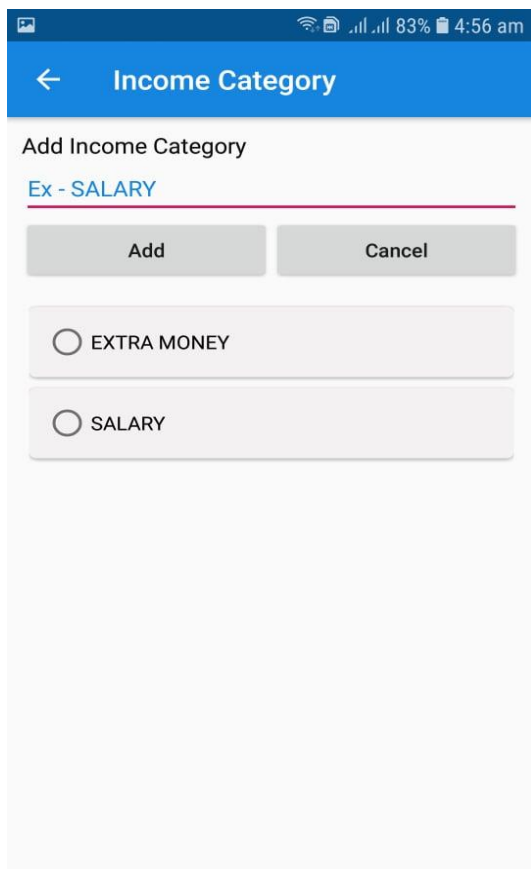


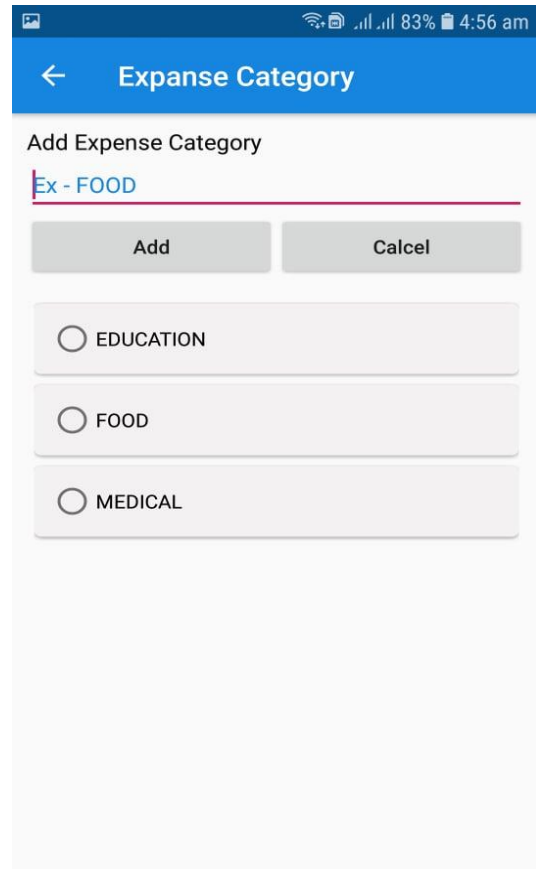
Fig 4.1.5: Delete Expense

The fig 4.1.6 and fig 4.1.7 is given below is income category and expense category for User.



The screenshot shows a mobile application interface for adding an income category. At the top, there is a blue header bar with a back arrow and the title "Income Category". Below the header, the text "Add Income Category" is displayed. A text input field contains the example text "Ex - SALARY". Below the input field are two buttons: "Add" and "Cancel". Further down, there are two radio button options: "EXTRA MONEY" and "SALARY". The status bar at the top indicates a battery level of 83% and the time 4:56 am.

Fig 4.1.6: Income Category



The screenshot shows a mobile application interface for adding an expense category. At the top, there is a blue header bar with a back arrow and the title "Expense Category". Below the header, the text "Add Expense Category" is displayed. A text input field contains the example text "Ex - FOOD". Below the input field are two buttons: "Add" and "Cancel". Further down, there are three radio button options: "EDUCATION", "FOOD", and "MEDICAL". The status bar at the top indicates a battery level of 83% and the time 4:56 am.

Fig 4.1.7: Expense Category

The fig 4.1.8 and 4.1.9 is given below is setting and report. User can create a report in Pdf format and compare between current month and previous month in the year.

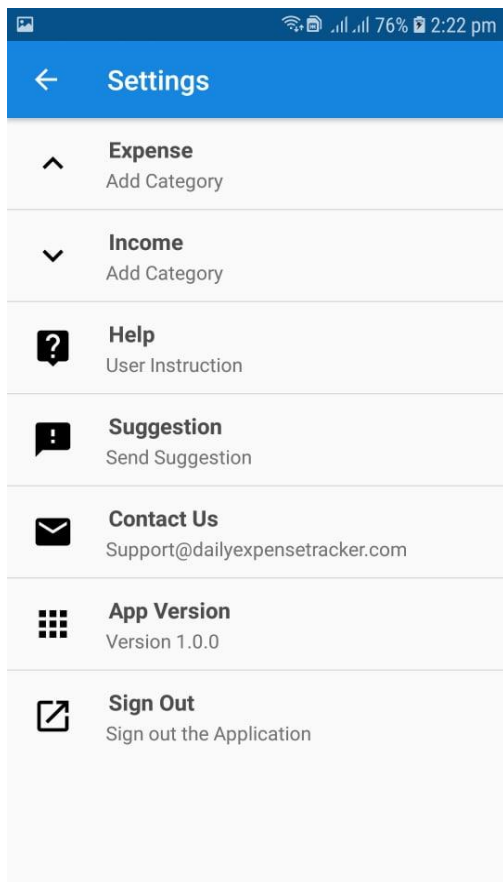


Fig 4.1.8 User Setting

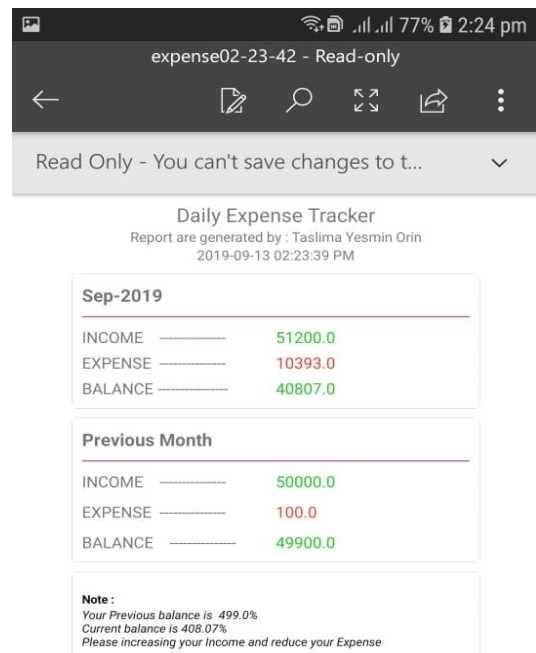


Fig 4.1.9 View Report

The fig 4.2.1 and fig 4.2.2 is given below balance and pie chart for user. User can view balance with graphical view.

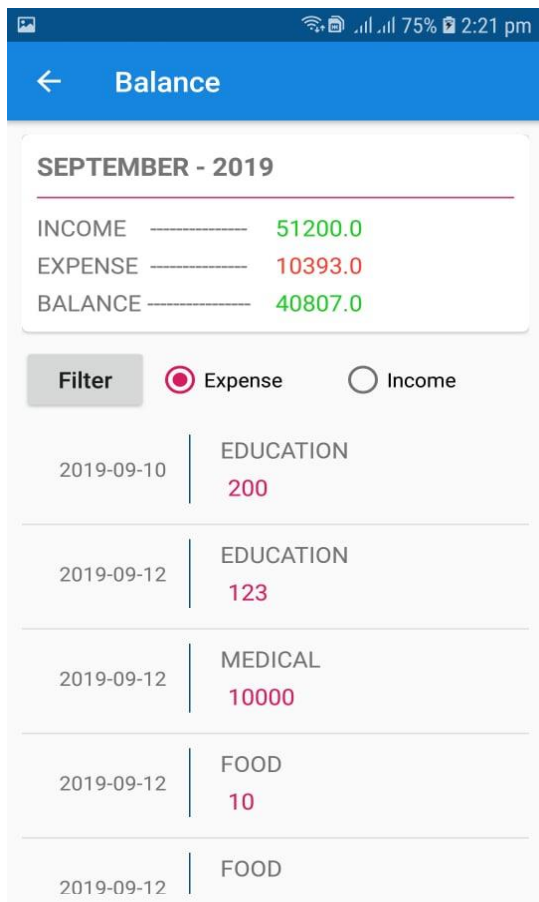


Fig 4.2.1: Show Balance

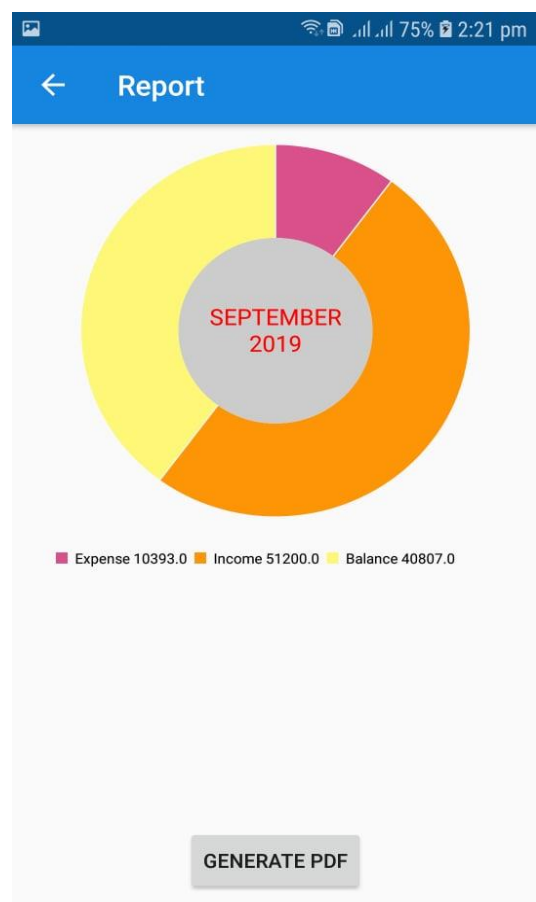


Fig 4.2.2: Pie Chart

4.2 Back-end Design

The back end design in two-part Java [5] and SQLite [6] data base. The fig below shows how we are designing a database for our application. All data of users are stored in this database. The figs are shown below.

Database Structure			Browse Data	Edit Pragmas	Execute SQL	
Create Table			Create Index	Modify Table	Delete Table	Print
Name	Type	Schema				
▼ Tables (5)						
> android_metadata		CREATE TABLE				
▼ expanse_list		CREATE TABLE				
expanse_id	INTEGER	"expanse_id" IN				
expanse_type	TEXT	"expanse_type"				
expanse_name	TEXT	"expanse_name"				
expanse_amount	INTEGER	"expanse_amou"				
expanse_date	TEXT	"expanse_date"				
▼ income_list		CREATE TABLE				
income_id	INTEGER	"income_id" IN				
income_type	TEXT	"income_type"				
income_name	TEXT	"income_name"				
income_amount	INTEGER	"income_amou"				
income_date	TEXT	"income_date"				
> sqlite_sequence		CREATE TABLE				
▼ user		CREATE TABLE				
user_id	INTEGER	"user_id" INTEC				
user_name	TEXT	"user_name" TI				
user_email	TEXT	"user_email" T				
user_password	TEXT	"user_password"				

Fig 4.2.3: Main Database

Table: user ↕ ↺ ↻ 🔍 🖨 📄

New Record Delete Record

	user_id	user_name	user_email	user_password
	Filter	Filter	Filter	Filter
1	1	Test Name	test@gmail.com	123456
2	2	Taslina Yesm...	taslima@gmai...	111112
3	3		NULL	NULL

⏪ ⏩ 1 - 3 of 3 ⏪ ⏩ Go to: 1

Fig 4.2.4: Database user

Table: income_list ↕ ↺ ↻ 📄 🖨

New Record Delete Record

	income_id	income_type	income_name	income_amount	income_date
	Filter	Filter	Filter	Filter	Filter
1	1	Salary	Taslima	30000	2019/07/01
2	2	Extra Income	Yesmin	500	2019/07/05
3	3	Profit	Taslima	1000	2019/07/30

⏮ ⏪ 0 - 0 of 0 ⏩ ⏭
Go to: 1

Fig 4.2.5: Database Income

CHAPTER 5

Implementation and Testing

5.1 Implementation of Database

We used for this project SQLite data base it is a local database. The queries are like as SQL database. We can store data in database.

5.2 Testing Implementation, Test Results and Reports

Through the test case, we can see if this software requirement works as well.

It is shown in the table below:

Table 5.1: Test Case of Login

Steps	Test Scenario	Test Steps	Test Data	Expected Result	Actual Result	Status
1	Log in with the correct data	1.Go to application first 2.Press user email 3.Press pass 4.Click log in Button	Email= ok@gmail.com Pass= ok123@45	The user must be able to login	User successfully login	Pass
2	Log in with the correct data	1.Go to application first 2.Press user email 3.Press password	Email= ok@gmail.com Pass= orik123@45	The user must not be able to login	User can't access	Fail

		4.Click log in Button				
--	--	--------------------------	--	--	--	--

Post-Condition: User cans success to login.

Unit Test: Unit tests have been used to ensure that the software is properly verified.

CHAPTER 6

Conclusion and Future Scope

6.1 Conclusion

“Daily Expression Tracker” is an Android based application. We created this application so that a user can accurately calculate his daily cost. Using this application, the user will see the amount of his income and how much a user is spending, and a notification will be sent to the user's phone daily, which will see how much money a user can earn and spend and a user can view his report at any time. So this application is very important for a user.

6.2 Scope of Further Developments

Now in our application we covered almost all features but in future we will add some more futures. The features are below

- Multiple account support.
- Include currency converter.
- Reports are created in category wise any format.

REFERENCES

- [1] “Expense Manager”<https://play.google.com/store/search?q=expense%20manager&c=apps//> [last accessed: August 27, 2019 at 07.00 pm].
- [2] “Expense Tracker” [https://play.google.com/store/search?q=my%20daily%20expense%20diary&c=apps //](https://play.google.com/store/search?q=my%20daily%20expense%20diary&c=apps//) [last accessed: August 27, 2019 at 07.00 pm].
- [3] “Monefy Money Manager” [//">https://play.google.com/store/apps/details?id=com.monefy.app.lite //](https://play.google.com/store/apps/details?id=com.monefy.app.lite) [last accessed: August 27, 2019 at 07.00 pm].
- [4] “Android” <https://developer.android.com//> [last accessed: September 02, 2019 at 07.00 pm].
- [5] “Java” [https://](https://www.java.com/en//) <https://www.java.com/en//> [last accessed: Jun 27, 2019 at 07.00 pm].
- [6] “Java” <https://sqlitebrowser.org/> [last accessed: Jun 27, 2019 at 07.00 pm].

Daily expense

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