

ACOLYTE

(The Budget Helper)

Submitted in partial fulfillment of the requirements of the
degree

BACHELOR OF TECHNOLOGY
IN
Electronics & Computer Science

By

Piyush Chaudhari	28
Raj Gatle	33
Sumit Jadhav	40
Shreyash Yadav	43

Supervisor

Prof. Rubina Shaikh



**Department of Electronics & Computer
Science**

Pillai College of Engineering

New Panvel Navi Mumbai - 410206

University of Mumbai

(AY 2022-23)

CERTIFICATE

This is to certify that the Mini Project entitled “**Acolyte – The Budget Helper**” is a Bonafedework of :

Name of Student	Roll No
Piyush Chaudhari	28
Raj Gatle	33
Sumit Jadhav	40
Shreyash Yadav	43

submitted to the University of Mumbai in partial fulfillment of the requirement for the award of the degree of “**Bachelor of Technology**” in “**Electronics & Computer Science**”.

(Prof. Rubina Shaikh)

Supervisor

(Dr. Monika Bhagwat)

Head of Department

(Dr. Sandeep Joshi)

Principal

Mini Project Approval

This Mini Project entitled “Acolyte-The Budget Helper” by **Piyush Chaudhari(28)** ,
Raj Gatle (33), **Sumit Jadhav (40)** and **Shreyash Yadav (43)** is approved for the
degree of **Bachelor of Technology in Electronics & Computer Science**.

Examiners

1.....
(Internal Examiner Name & Sign)

2.....
(External Examiner name & Sign)

Date:

Place:

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CHAPTER 1

INTRODUCTION

1.1 Introduction

Management of finance and accounts has been an actual issue for a long time. People are less likely to keep track of their spending, be it, in checkbook or even spreadsheets. Despite that, for the recent decades, it has got a new perspective with the advent of modern technologies and the internet which is becoming more and more accessible.

Expenses Tracker is a way that can help us to keep up with our spending. Not only that, it can help us pinpoint areas that we have been spending and track upcoming bill payments. It is a web-based system that can keep track of their expenses and determine whether they are spending as per their set budget. Potential users need to input the required data such as the expense amount, merchant, category, and date when the expense was made. This mobile system is a full detailed expense tracker tool that will not only help users keep a check on their expenses, but also cut down the unrequired expenses, and thus will help provide a responsible lifestyle.

1.2 Motivation

If you're like most people, you probably hate tracking your expenses. But if you want to get your finances in order, it's a necessary evil. A good way to make the process a little less painful is to find a system that works for you. Here are some tips to get you started. Thus we have to make “Acolyte the budget helper”(The Expense tracking System).

1.3 Problem description and overview

As for the time being, there a lot of budget planner software that are available online but some of these software fall short in helping users to actually create and stick to a budget. One of the drawbacks is the on-going maintenance, a lot of budget software offer the simplicity of integrating with all users financial accounts and consolidating their activity into one dashboard. However though, some of this existing software mostly have complicated features that are not user friendly. Also, due to the busy and hectic lifestyle people tend to overlook their budget and end up spending an excessive amount of money since they usually didn't plan their budget wisely. Last but not least, user cannot predict future expenses. While they can write down their expenses in a piece of paper or manage them in excel spreadsheet, their lack of knowledge in managing finances will be a problem.

1.4 Objectives:

- To design a user friendly and an attractive interface so that users can easily access the system.
- To keep tracking of daily Expenses and budgeting.
- To develop a systematic system that will help to improve users' financial management and forecast future budget planning.
- To test and evaluate the reliability of the system to generate monthly report and forecast budget for the users.
- To save money for pre-defined expenses which will help planning on your future investment.
- To Reduce Workload
- Access from Anywhere

CHAPTER 2

LITERATURE SURVEY

2.1 Survey on existing system

Introduction

Tracking daily expense is not so innovative. Many traditional and technological approach is found to track our expenses and budget with their own functionality. From decades ago and today we have been writing our expenditure in a register to calculate the profit or saving. Not only this many desktop and mobile applications has been developed for this purpose. Quicken and Microsoft money were the first desktop applications was developed decades ago but was not so familiar with the users. Personal capital and dollar bird application were used to visualize the expenses in chart or graphs with the calendar system. QuickBooks were the application for the small business holder to wrap up their whole business YNAB and Penny were the latest application which were embedded with AI and applicable for importing expenses automatically. However, Mint was the one which was widely used and frusted

Explaining about the latest application built in this category. YNAB is an expense tracker that gives the automatic tracking of our expense through our bank account or credit cards. We can also define expenses that may take place in future so that we do

not go out of bound. This application is mobile friendly and is emerging since 2013. This application is embedded with AI to define and manage our daily expenses. This application does not give any detail information about our expenses while our application will get those information via text and image. Moreover, we will be working on the GPS tracking of the possible places where user is supposed to expense her amount. This feature is also not included by YNAB

.

2.2 Limitations of the existing system

1. User have to entry every record manually.

The old budget system required users to manually enter every record, which was time-consuming and error-prone. The new budget system automates the process, saving time and reducing the risk of errors. It was time-consuming and inefficient. The new budget system automates the process, making it easier and faster for users to manage their budgets. The new budget system automates this process, saving time and effort.

2. The category divided may be blunder or messy.

It's no secret that the old budget system was a mess. But the recent revelation that the budget was divided into categories that were often redundant or contradictory may be the final straw. This blunder calls into question the competence of our government officials.

3. Person who is handling system must have some technical knowledge.

If you're the person who is responsible for handling the old budget system, you'll need to have some technical knowledge in order to do so. This is because the system is outdated and no longer supported by the vendor. Luckily, there are many resources available online to help you learn the system inside and out. User input is required for every record in the old budget system. This process is time-consuming and tedious, and it can be difficult to keep track of all the changes. With the new budget system, user input is not required. The system will automatically update all records as changes are made. you need to be aware of the old system and have some technical knowledge of it. The new budget system is being implemented soon, and you need to be prepared for it.

CHAPTER 3

PROPOSED SYSTEM

3.1 Introduction

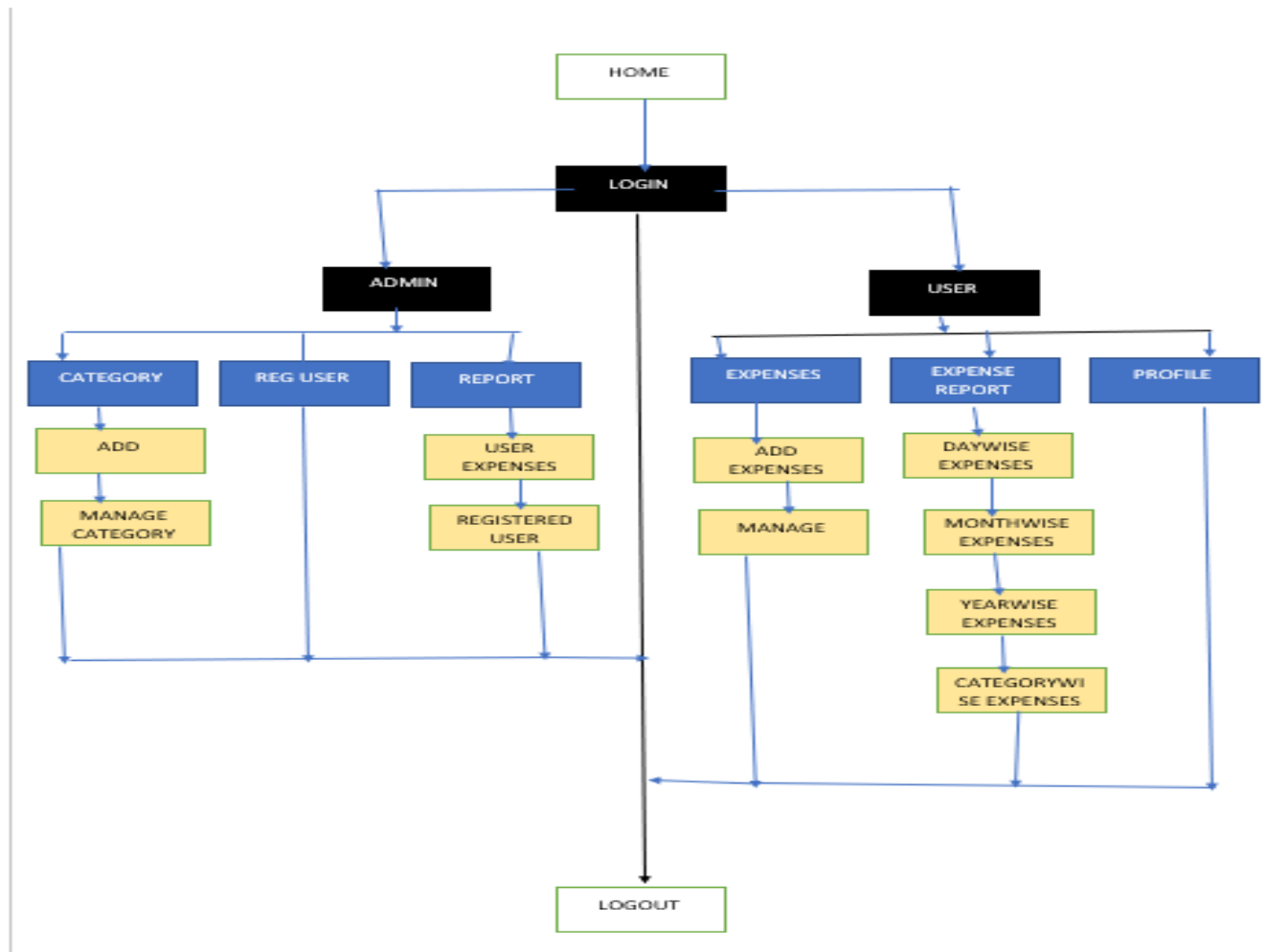
A proposed system for tracking expenses for web applications could help businesses keep better track of their spending. The system would allow for users to input their expenses and track them over time, making it easier to see where money is being spent. tracking expenses for a web application would allow for more accurate and efficient budgeting. his process, saving time and effort. A proposed system for web application expense tracking would allow users to easily keep track of their expenses and submit them for reimbursement. The system would be easy to use and would provide users with a variety of features to make tracking expenses simple and efficient.

Our proposed system has several advantages

- User friendly interface
- Fast access to database
- Less error
- Search facility

The system would be easy to use and would provide users with a variety of features to make tracking expenses simple and efficient.of features to make tracking expenses simple and efficient.

3.2 Architecture/Framework



3.3 Algorithm and Process Design

Algorithm:

Step 1: Start

Step 2: In front page, Click on Enter to enter the page

Step 3: If

New user clicks Register as user and registers themselves by giving some details

Else if

Already a user click on login as user and login themselves for next page

Else

Go on home page & then Click on logo for admin login page where it need to login using admin with login password

Step 4: If

Login or registered as user then next page is displayed dashboard then user can simply add their expenses and mange those expenses

Else If

Login as admin then there are two options is displayed

1. Database

2. Edit

If Database is chosen

Then SQL database is opened where data of expenses(budget)

and user is stored

Else if

Edit is chosen

Process Design:

Front End: We started designing our pages with Html, We created all the necessary tables and buttons for our various web pages. After that We started with Css and We started styling our pages using CSS frameworks. We added colors and gradients.

Back End: We created Database for our project. For that We used MySQL query language. We created Tables and different types of variables by using data types. We inserted our data. After that we started with the most crucial part i.e., we started writing php code, We wrote all the necessary task i.e., frontend backend and database connection, writing logical code etc.

3.4 Details of Software

The technology selected for implementing Acolyte – The Budget Helper is PHP/MYSQL. Apache is used as the HTTP server.

PHP

PHP is a general-purpose scripting language that is especially suited to server-side web Development where PHP generally runs on a web server.php code is embedded into the HTML Source document. Any PHP code in a requested file is executed by the PHP runtime, usually to Create dynamic web page content. It can also be used for command-line scripting and client-side GUI applications. PHP can be deployed on many web servers and operating systems, and can be used with many relational database management systems (RDBMS).

MySQL

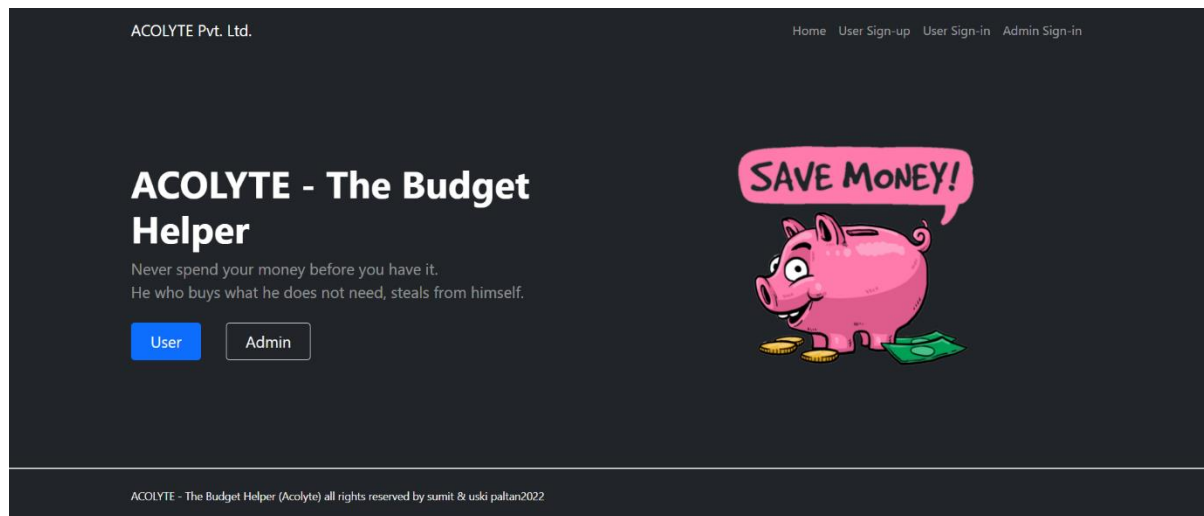
MySQL is a relational database management system (RDBMS) that runs as a server providing multi-user access to a number of databases. Before using our database, we must create a table. In a table we will set up the different fields which will be used in that table. Creating a table in phpMyAdmin is simple we just type the name, select the number of fields and click the ‘go’ button. we will then be taken to a setup screen where you must create the fields for the database. Another way of creating databases and tables in phpMyAdmin is by executing simple SQL statements .We have used this method in order to create our database and tables.

XAMPP

XAMPP is a small and light Apache distribution containing the most common web development technologies in a single package. XAMPP is available as a free download in two specific packages: full and lite. The light version is a small package containing Apache HTTP Server, PHP, MySQL, phpMyAdmin and SQLite.

3.4 Experiment And Result

ADMIN Home page:-



Admin :Login

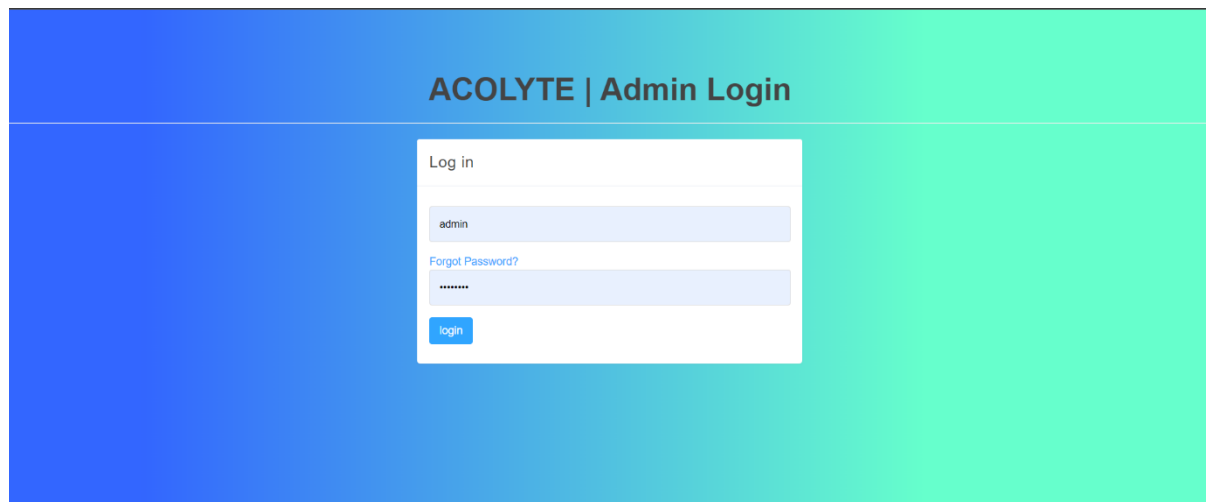


FIGURE 1

In figure 1 Admin, Faculty, & Students can login using their Username And Password

Admin: Dashboard

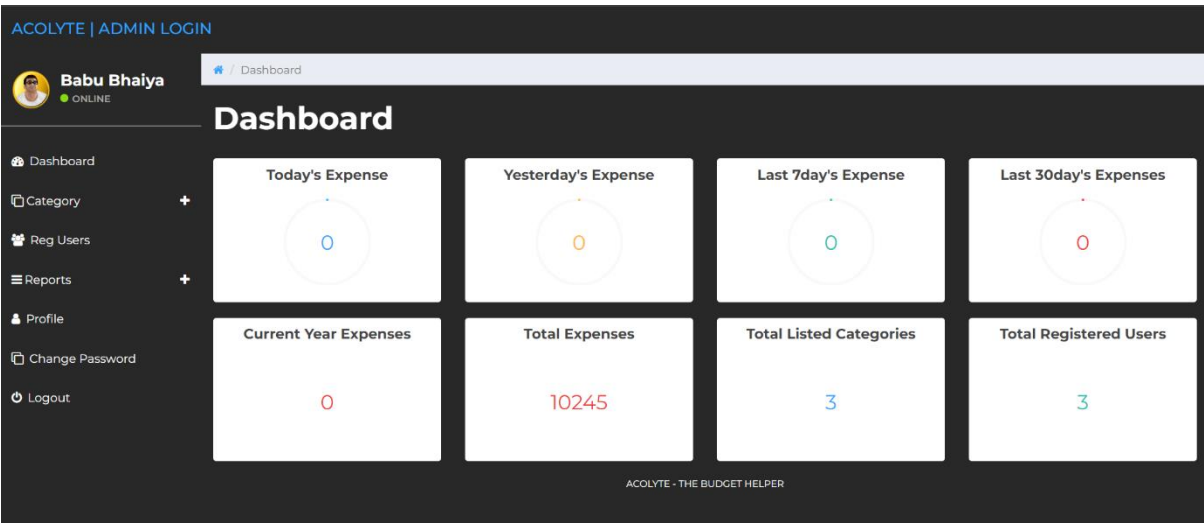


FIGURE 2

In the figure 2 Admin Dashboard shows all information of users expenses.

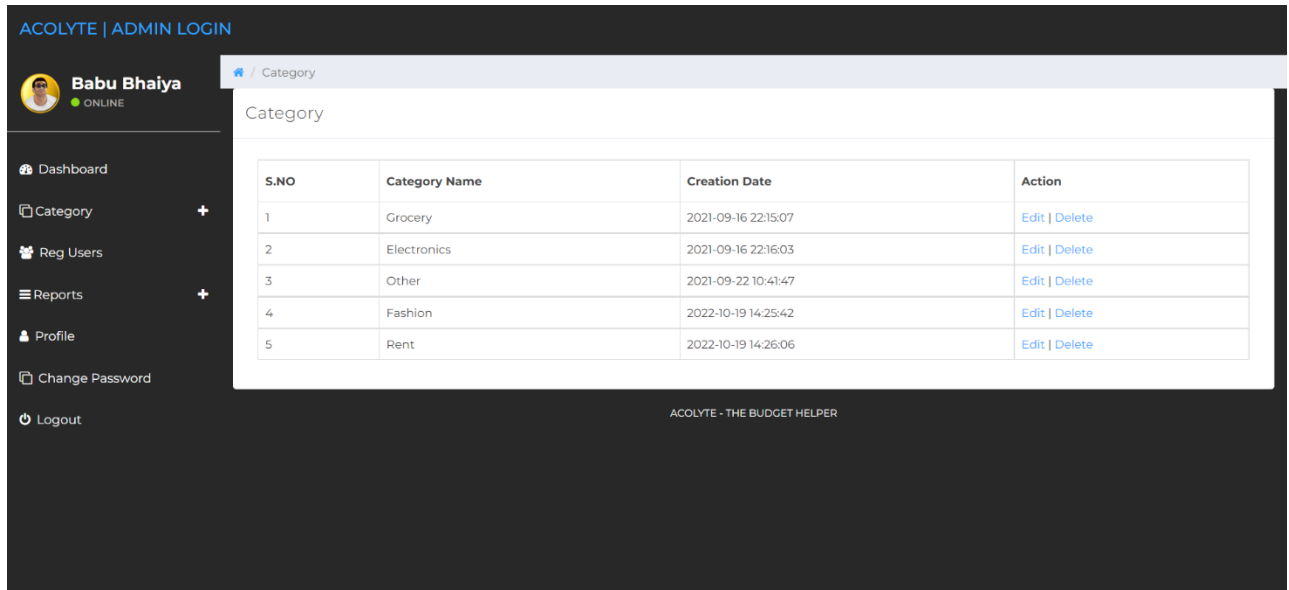
Add Category

The screenshot shows the 'Add Category' form within the 'ACOLYTE | ADMIN LOGIN' interface. The user 'Babu Bhaiya' is logged in and is online. The sidebar navigation is the same as in Figure 2. The main content area has a header 'Add Category' and a form with a 'Category Name' label and a text input field containing 'Fashion'. Below the input field is a blue 'Add' button. The footer text is 'ACOLYTE - THE BUDGET HELPER'.

FIGURE 3

In the figure 3 Admin can add category which user wants.

Manage Category :-



ACOLYTE | ADMIN LOGIN

Babu Bhaiya ONLINE

- Dashboard
- Category
- Reg Users
- Reports
- Profile
- Change Password
- Logout

Category

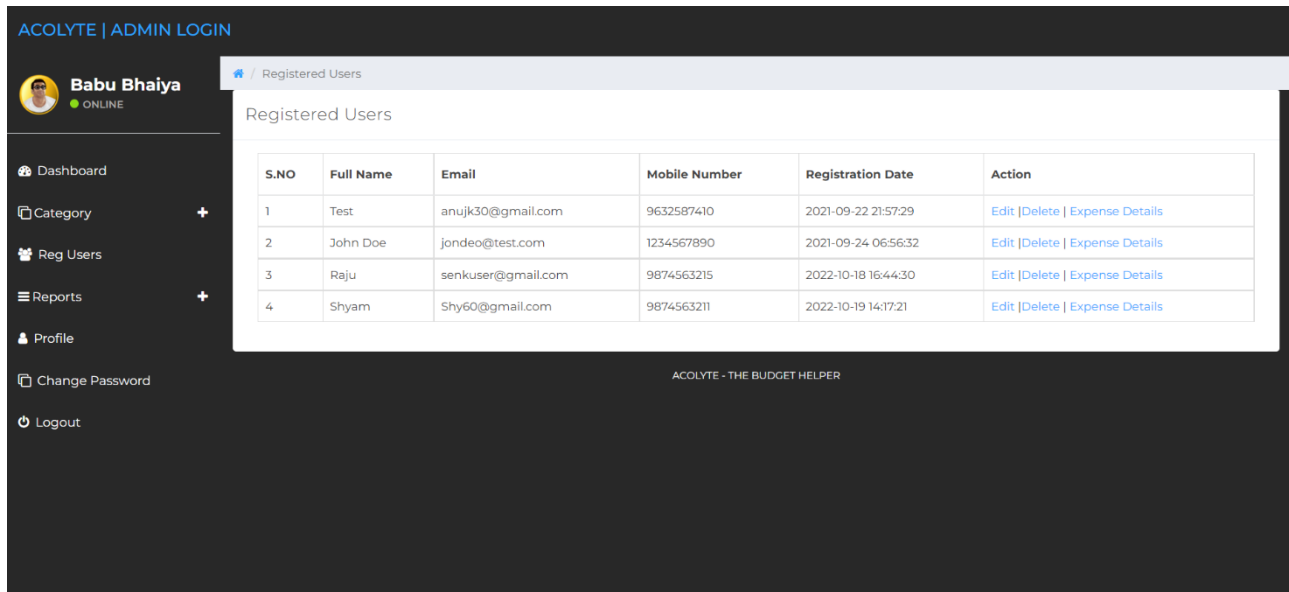
S.NO	Category Name	Creation Date	Action
1	Grocery	2021-09-16 22:15:07	Edit Delete
2	Electronics	2021-09-16 22:16:03	Edit Delete
3	Other	2021-09-22 10:41:47	Edit Delete
4	Fashion	2022-10-19 14:25:42	Edit Delete
5	Rent	2022-10-19 14:26:06	Edit Delete

ACOLYTE - THE BUDGET HELPER

FIGURE 4

In the figure 4 Admin can see aqll category

Registered Users :-



ACOLYTE | ADMIN LOGIN

Babu Bhaiya ONLINE

- Dashboard
- Category
- Reg Users
- Reports
- Profile
- Change Password
- Logout

Registered Users

S.NO	Full Name	Email	Mobile Number	Registration Date	Action
1	Test	anujk30@gmail.com	9632587410	2021-09-22 21:57:29	Edit Delete Expense Details
2	John Doe	jondeo@test.com	1234567890	2021-09-24 06:56:32	Edit Delete Expense Details
3	Raju	senkuser@gmail.com	9874563215	2022-10-18 16:44:30	Edit Delete Expense Details
4	Shyam	Shy60@gmail.com	9874563211	2022-10-19 14:17:21	Edit Delete Expense Details


ACOLYTE - THE BUDGET HELPER

FIGURE 5

In the figure 5 Admin can see all registered users.

User Report :-

ACOLYTE | ADMIN LOGIN


Babu Bhaiya
 ONLINE

Dashboard
 Category +
 Reg Users
 Reports +
 Profile
 Change Password
 Logout

Categorywise User Expense Report

From Date
 dd-mm-yyyy

To Date
 dd-mm-yyyy

Users
 Select User

Submit

Categorywise Expense Report of Shyam from 2022-10-03 to 2022-10-27


S.NO	Category	Expense Amount
1	Electronics	3398
2	Grocery	950
Grand Total		4348

FIGURE 6

In the figure 6 Admin can see all users report.

Registered Users Report:-

ACOLYTE | ADMIN LOGIN


Babu Bhaiya
 ONLINE

Dashboard
 Category +
 Reg Users
 Reports +
 Profile
 Change Password
 Logout

Registered Users Report

From Date
 dd-mm-yyyy

To Date
 dd-mm-yyyy

Submit

All Registered Users from 2022-10-01 to 2022-10-27

S.NO	Full Name	Email	Mobile Number	Registration Date	Action
1	Raju	senkuser@gmail.com	9874563215	2022-10-18 16:44:30	Edit Delete Expense Details
2	Shyam	Shy60@gmail.com	9874563211	2022-10-19 14:17:21	Edit Delete Expense Details

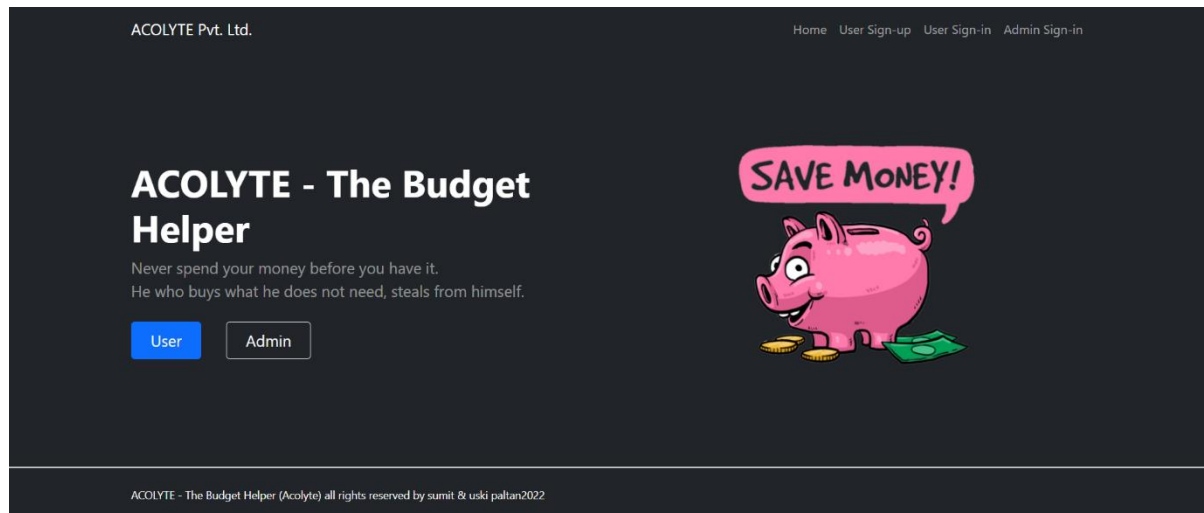
ACOLYTE - THE BUDGET HELPER

FIGURE 7

In the figure 7 Admin can see user reguster between time fixed time period .

USER :-

Home Page



Registration Page :-

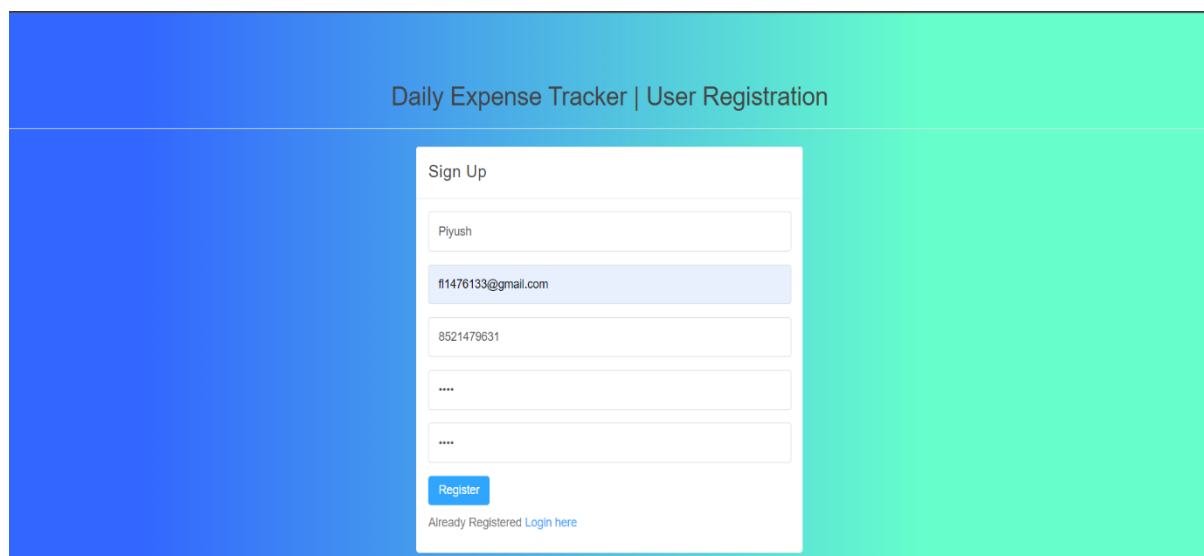
The image shows the 'User Registration' page of the 'Daily Expense Tracker'. The page has a blue and green gradient background. The title is 'Daily Expense Tracker | User Registration'. The registration form is titled 'Sign Up' and contains the following fields: 'Name' (with 'Piyush' entered), 'Email' (with 'f1476133@gmail.com' entered), 'Phone Number' (with '8521479631' entered), 'Password' (with four dots), and 'Confirm Password' (with four dots). There is a blue 'Register' button. Below the button, it says 'Already Registered [Login here](#)'.

FIGURE 1

In the figure 1 User can register for creating account in Acolyte .

Login Page

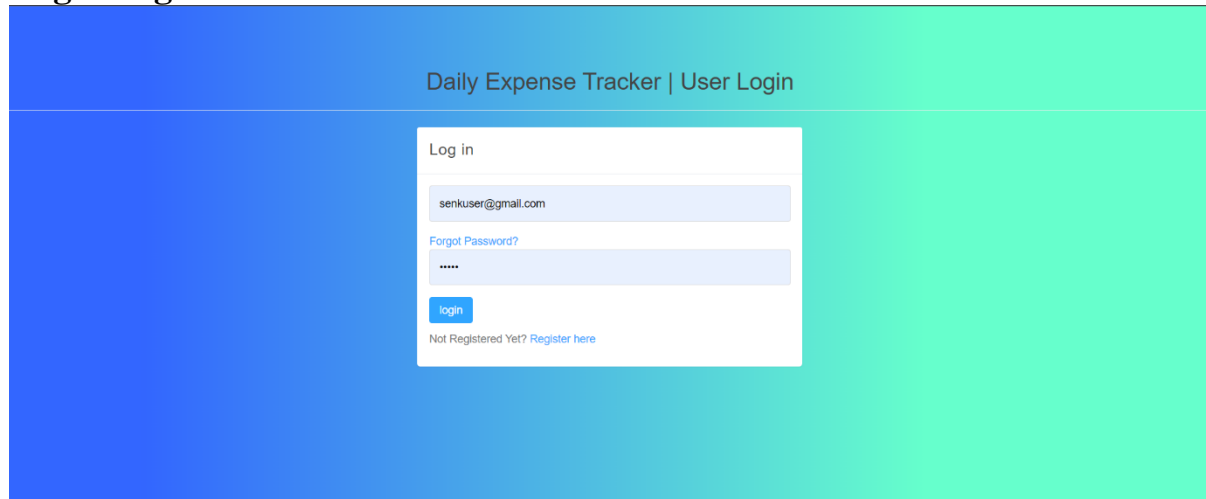


FIGURE 2

In the figure 2 User can login for using Acolyte .

Dashboard

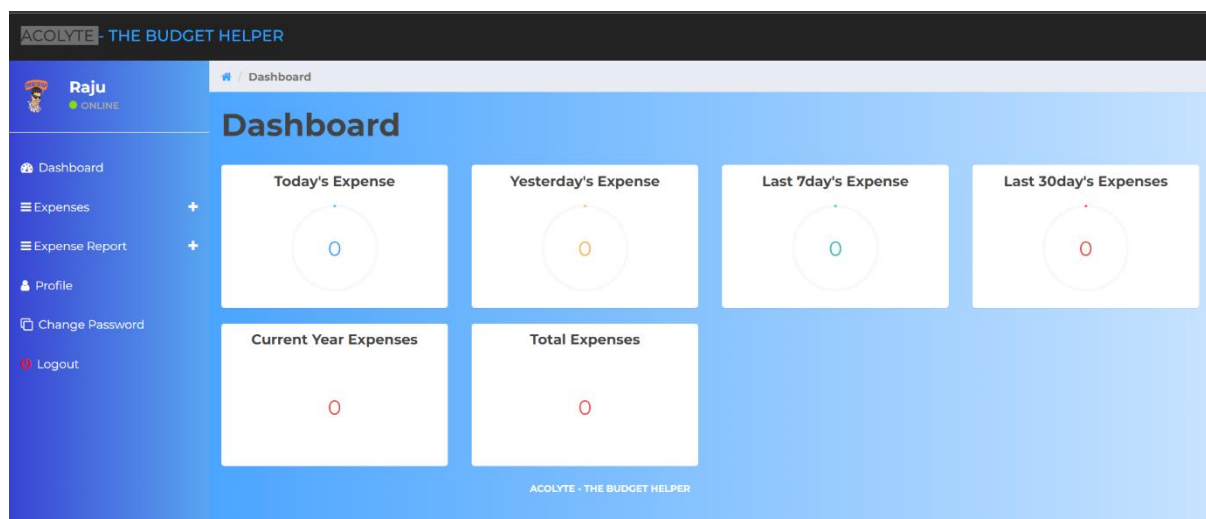


FIGURE 3

In the figure 3 User can see all his activity .

Add Expense

The screenshot shows the 'Add Expense' form in the Acolyte application. The form is titled 'Expense' and is located on the right side of the page. The left sidebar contains a navigation menu with the following items: Dashboard, Expenses, Expense Report, Profile, Change Password, and Logout. The form fields are as follows:

- Date of Expense:** A text input field containing '27-10-2022'.
- Category:** A dropdown menu with 'Fashion' selected.
- Item:** A text input field containing 'T-SHIRTS'.
- Cost of Item:** A text input field containing '1000'.
- Add:** A blue button to submit the form.

The footer of the page displays 'ACOLYTE - THE BUDGET HELPER'.

FIGURE 4

In the figure 4 User can register for creating account in Acolyte .

Manage Expense

The screenshot shows the 'Manage Expense' table in the Acolyte application. The table is titled 'Expense' and is located on the right side of the page. The left sidebar contains a navigation menu with the following items: Dashboard, Expenses, Expense Report, Profile, Change Password, and Logout. The table has the following structure:

S.NO	Category Name	Expense Item	Expense Cost	Expense Date	Action
1	Fashion	T-SHIRTS	1000	2022-10-27	Delete

The footer of the page displays 'ACOLYTE - THE BUDGET HELPER'.

FIGURE 5

In the figure 5 User have access to see his expense category and other details in Acolyte .

Expense Report

The screenshot shows the 'Expense Report' page for a user named Raju. The left sidebar contains navigation links: Dashboard, Expenses, Expense Report (selected), Daywise Expenses, Monthwise Expenses, Yearwise Expenses, and Categorywise Expenses. The main content area displays the 'Datewise Expense Report' for the period from 2022-10-21 to 2022-10-27. A table lists the expenses:

S.NO	Date	Expense Amount
1	2022-10-27	1000
Grand Total		1000

FIGURE 6

In the figure 6 User have a access to see his expense with provided time period.

Profile

The screenshot shows the 'Profile' page for a user named Raju. The left sidebar contains navigation links: Dashboard, Expenses, Expense Report, Profile (selected), Change Password, and Logout. The main content area displays the 'Profile' form with the following fields:

- Full Name: Raju
- Email: senkuser@gmail.com
- Mobile Number: 9874563215
- Registration Date: 2022-10-18 16:44:30

An 'Update' button is located at the bottom of the form.

FIGURE 7

In the figure 7 User have access to update his profile.

Change Password

The screenshot displays a web application titled "ACOLYTE - THE BUDGET HELPER". On the left, a blue sidebar contains a user profile for "Raju" (status: ONLINE) and a menu with items: Dashboard, Expenses, Expense Report, Profile, Change Password, and Logout. The main content area is titled "Change Password" and features three input fields labeled "Current Password", "New Password", and "Confirm Password", each with a masked password (*****). A blue "Change" button is positioned below the "Confirm Password" field. The footer of the page repeats the text "ACOLYTE - THE BUDGET HELPER".

FIGURE 8

In the figure 1 User can change or update his password.

The project titled as Acolyte the budget helper was studied and analyzed to design the code and implement. All the current requirements and possibilities have been taken care during the project time Acolyte the budget helper is used for maintain the daily expenses. Expenses Tracker System is a system that being developed to assist users in budget planning. It provides end users to records their income and expenses within the budget that have been planned beforehand. Furthermore, users are able to keep track on their spending so they are not wasting their money without doubt. Last but certainly not the least, they are able to access the system anytime and anywhere that is accessible.

Future works

The system is well operated and function as planned, however, there are a few suggestions to make it better and even more usable in the future. Here are some enchantments for the system to work more efficient in future.

- For current report, it is only limited to a few options. Hence, maybe it will be better if the report can generate a bar graph or line graph that shows all reports together instead being separated. It would a lot easier for user to evaluate their spending too.
- It would be great if the system can perform any online payment instead of only able to generate reports and forecast budget.

Future Scope of the Project:

In a nutshell, it can be summarized that the future scope of the project circles around maintaining information regarding:

- We can add printer in future
- We can give more advance software for Expense Management System including more facilities
- We will host the platform on online servers to make it accessible worldwide Integrate multiple load balancers to distribute the loads of the system
- Create the master and slave database structure to reduce the overload of the database queries.
- Implement the backup mechanism for taking backup of codebase and database on regular basis on different servers

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