Project Report

Team ID	**PNT2022TMID48444**
Project Name	**Personal Expense Tracker Application**

1. INTRODUCTION

1.1 Project Overview:

Earlier, Our parents use to track all their expenses by writing down in a small notebook and calculating it on their own Even still many of them follow the same to maintain their financial expenses even some of them don't care of their expenses and spendings. Not only in our homes ,Expenses are need to be tracked in many large scale and small scale sectors such as in many schools, colleges, marketing companies , departmental stores , etc So in order to optimize their work and make peoples life easier our expense tracker application will be much helpful for financial management .The outcome of the application will be much useful for them to acknowledge the daily expenses and track the monthly expenses from their income with a limit to spend . They can easily track and view their expenses with a statistical data .

In short, Tracking our financial expenses is a great deal especially in this scenario so making those tracking easier is the job of this application..

1.2 Purpose:

Tracking our expense is important in this era, because our daily expenses are increasing day by day. So having an eye on it matters a lot. By tracking our expenses we can have a balanced financial life and if maintained properly there could be much more savings.

By having balance in finance will help an individual to get rid of unnecessary spendings and noting down everyday expenses helps to have a clear understanding of where money is spend more and how can they minimize the spendings.

Ultimately, by tracking one can have finance and life balance which is very important to cop up with the society.

2 . LITERATURE SURVEY:

2.1 Existing problem

There are many websites and applications for tracking the expenses through their bank account linking to the app and some apps are need to get the expense amount through manually. Those applications just track the expenses randomly and leave some of the mini expenses we do in our day today life. As the bank details are linked to these existing apps which is not much secured for the user. Always we prefer our bank details and information to be much safe and secure. In order to maintain and overcome those security issues especially related to money and expenses we have to do. Also in the existing system if it directly reduces in the expenses as we link the account transactions of money the user will be unable to acknowledge the limit to spend his income. To maintain certain limit in our monthly expenses for each category it is much important to track our limit set also which is lacking in the existing system which we have referred. We have notified such two existing applications , 1) Spendee 2)Money mngr.

2.2 References

PAPER 1:

TITLE: Expense Tracker : A Smart Approach to Track Everyday Expense

AUTHOR: Ms.J. Angelin Blessy, Anant Prakash Singh, Navneet Kumar, Hrithik Gupta

PUBLICATION YEAR: 2020

DESCRIPTION:

Expense Tracker is a day-to-day expense management system designed to easily and efficiently track the daily expenses through a computerized system that eliminates the need for manual paper tasks that systematically maintains records and easily accesses data stored by the user.

PAPER 2:

TITLE: Budget Estimator Android Application

AUTHOR: Namita Jagtap, Priyanka Joshi, Aditya Kamble

PUBLICATION YEAR: 2019

DESCRIPTION:

This application takes income from user and divides in daily expense allowed, if user exceed that days expense it will cut if from your income and give new daily expense allowed amount, and if that days expense is less it will add it in savings. Expense tracking application will generate report at the end of month to show income-expense via multiple graphs.

PAPER 3:

TITLE: Expense Tracker

AUTHOR: Atiya Kazi , Praphulla S. Kherade , Raj S. Vilankar , Parag M. Sawant

PUBLICATION YEAR: 2021

DESCRIPTION:

They are building an android application named as “Expense Tracker”. As the name suggests, this project is an android app which is used to track the daily expenses of the user. It is like digital record keeping which keeps the records of expenses done by a user. The application keeps the track of the Income and Expenses both of user on a day-to-day basis.

PAPER 4:

TITLE: Expense Tracker Mobile Application

AUTHOR: Angad Manchanda

PUBLICATION YEAR: 2012

DESCRIPTION:

XpensTrak, the Expense Tracker Mobile Application was developed for iPhone users to 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. Optional data such as sub-category and extra notes about the expense can be entered as well. The application allows users to track their expenses daily, weekly, monthly, and yearly in terms of summary, bar graphs, and pie-charts.

PAPER 5:

TITLE: Daily Expense Tracker

AUTHOR: Shivam Mehra, Prabhat Parashar

PUBLICATION YEAR: 2021

DESCRIPTION:

This paper represents a Daily Expense Tracker is a tool that resides on a remote server and is accessible via browsers. As the name suggest Daily Expense Tracker is a web application that allows you to track the daily expense of the user and help them to better manage their resources. It creates a digital record of the income and expense of the user. It input from the user a income, source of this income and the date of earning that income and creates a transaction entry under income category sums to the total amount of income and making real time changes. The various sources of income can be added and thus the distribution of your income is also illustrated by real time functioning charts that will keep updating as per your transactions

2.3 Problem Statement Definition:

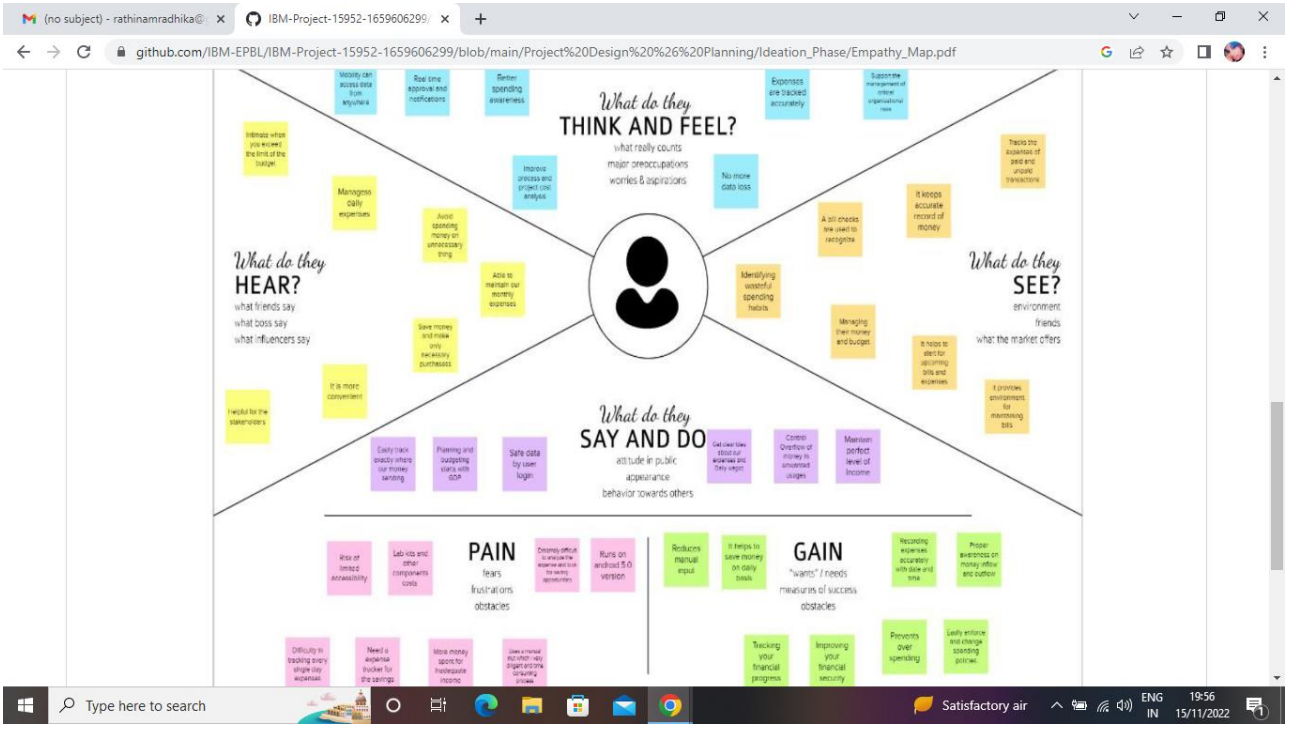
Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes mefeel
PS-1	an employee	Make a monthly budget..	There are no facilities to set a budget	Can't categorize the various types of expenses	Frustrated
PS-2	A manager	Keep track of my expenses.	Can't categorize the various types of expense	There is no option to organize the various expenses	Uncomfortable.

Customer Problem Statement:

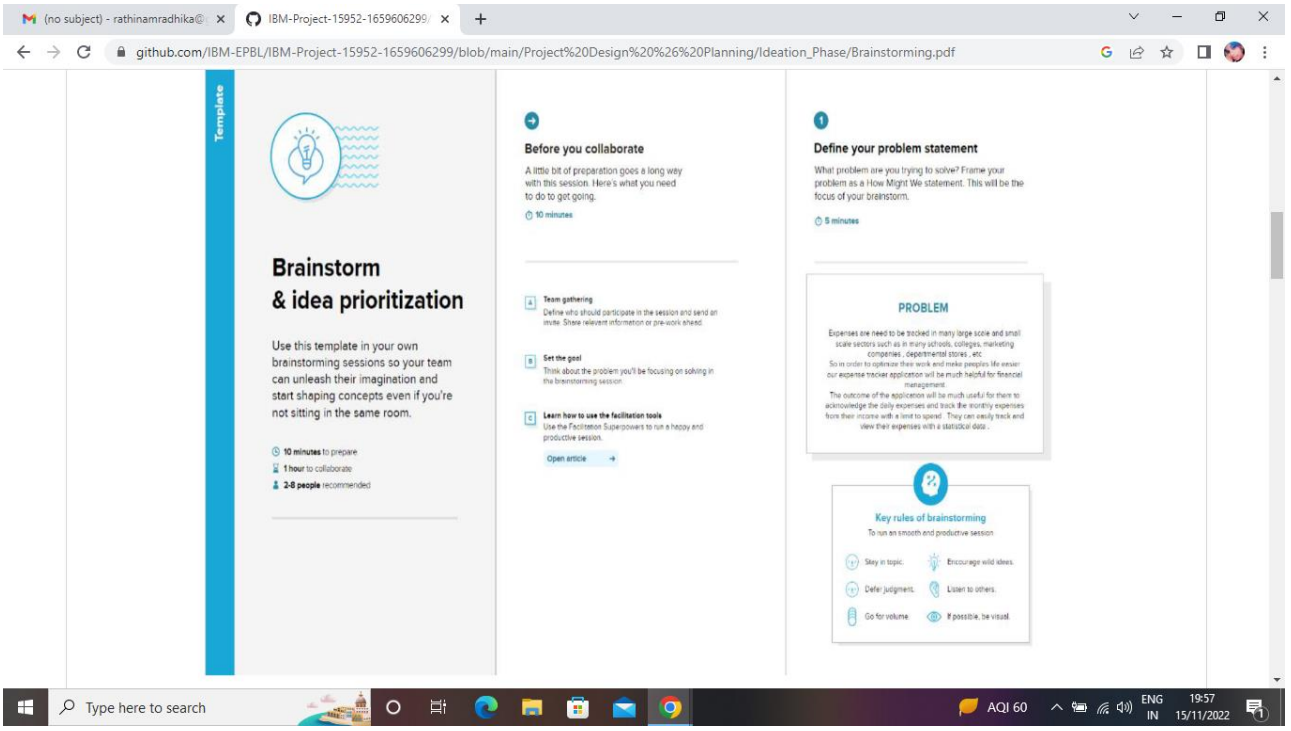
A well-articulated customer problem statement allows us to find the ideal solution for the challenges our customers face. Throughout the process, you'll also be able to empathize with your customers, which helps you better understand how they perceive your products and services.

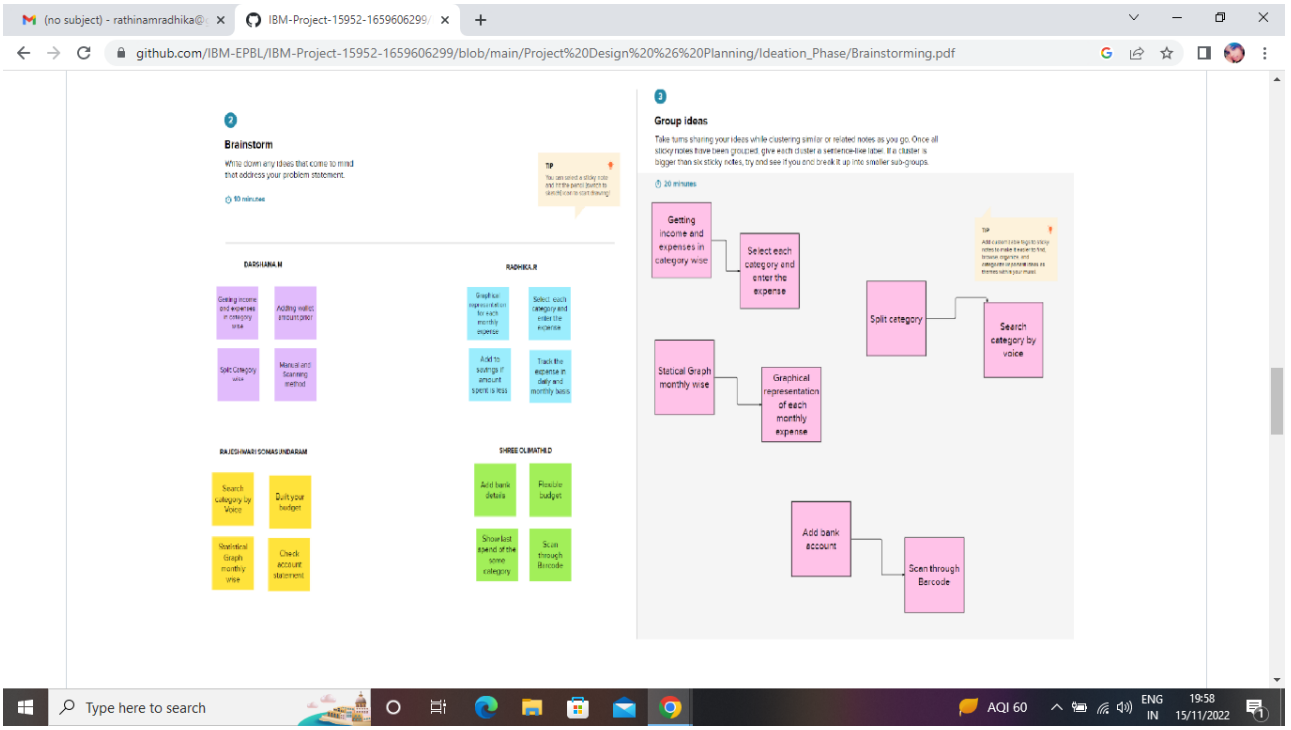
3.IDEATION & PROPOSED SOLUTION

3.1 Empathy Map Canvas



3.2 Ideation & Brainstorming



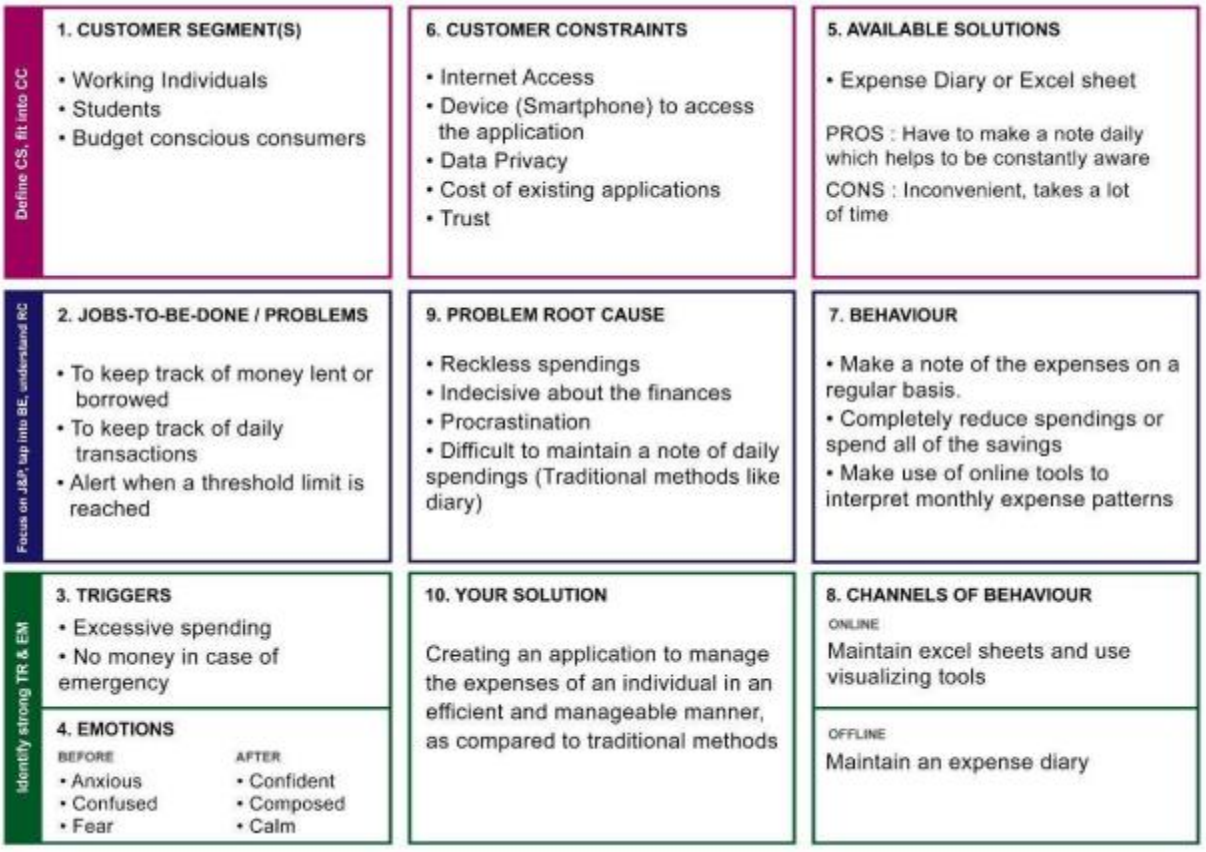


3.3 Proposed Solution

S. No	Parameter	Description
1.	Problem Statement (Problem to besolved)	Earlier, our parents use to track all their expenses by writing down in a small notebook and calculating it on their own Even still many of them follow the same to maintain their financial expenses even some of them don't care of their expenses and spendings. Not only in our homes ,Expenses are need to be tracked in many large scale and small scale sectors such as in many schools, colleges, marketing companies , departmental stores , etc So in order to optimize their work and make peoples life easier our expense tracker application will be much helpful for financial management The outcome of the application will be much useful for them to acknowledge the daily expenses and track the monthly expenses from their income with a limit to spend. They can easily track and view their expenses with a statistical data. In short, tracking our financial expenses is a great deal especially in this scenario so making those tracking easier is the job of this application.
2.	Idea / Solution description	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. user cannot predict future expenses. While they can write down their expenses in a excel spreadsheet, their lack of knowledge in managing finances will be a problem.

3.	Novelty / Uniqueness	This application tracks your every expenses anywhere and anytime without using the paper work. Just click and enter your expenditure. to avoid data loss, quick settlements and reduce human error. To provide the pie chart or graph lines in this application.
4.	Social Impact / Customer Satisfaction	Using this application one can track their personal expenses and frame a monthly/annual budget. If your expense exceeded than specified limit, the application will show you an alert message in form of a pie chart.
5.	Business Model (Revenue Model)	Business people can use subscription/premium feature of this application to gain revenue..

3.4 Problem Solution fit



4. REQUIREMENT ANALYSIS

4.1 Functional requirement

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	User should Register using their Email.
FR-2	Login	Enter username (Email) and password
FR-3	Select Method	Two methods are provided 1-Manual (Manually Enter the expenses) 2-Bank (Link Bank Account)
FR-4	Manual Method	Manually user can enter the expenses by using voice recognition by simply saying category and amount spent on that also can use Barcode Scanner by using Bill provided while purchasing.
FR-5	Bank Method	In Bank method user have to Enter their Bank details in prior and all the Bank using transactions are detected and tracker accordingly.
FR-6	Expense Tracker	This application should graphically represent the expense in the form of report.
FR-7	Report generation	Graphical representation of report must be generated.
FR-8	Category	This application shall allow users to add categories of their expenses.

4.2 Non-Functional requirements

Following are the non-functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Helps to keep an accurate record of your income and expenses.
NFR-2	**Security**	Budget tracking apps are considered very safe from those who commit cyber crimes.
NFR-3	**Reliability**	Each data record is stored on a well built efficient database schema. There is no risk of data loss
NFR-4	**Performance**	The types of expense are categories along with an option. Throughput of the system is increased due to light weight database support.
NFR-5	**Availability**	The application must have a 100% up-time.
NFR-6	**Scalability**	The ability to appropriately handle increasing demands.

5. PROJECT DESIGN

5.1 Data flow diagram:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirementgraphically.

It shows how data enters and leaves the system, what changes the information, and where data is stored.

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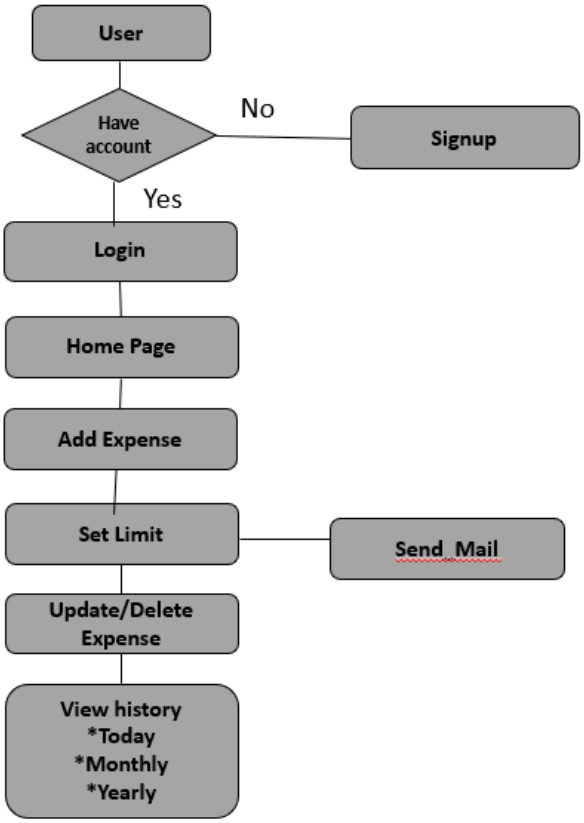


5.2 Solution & Technical Architecture

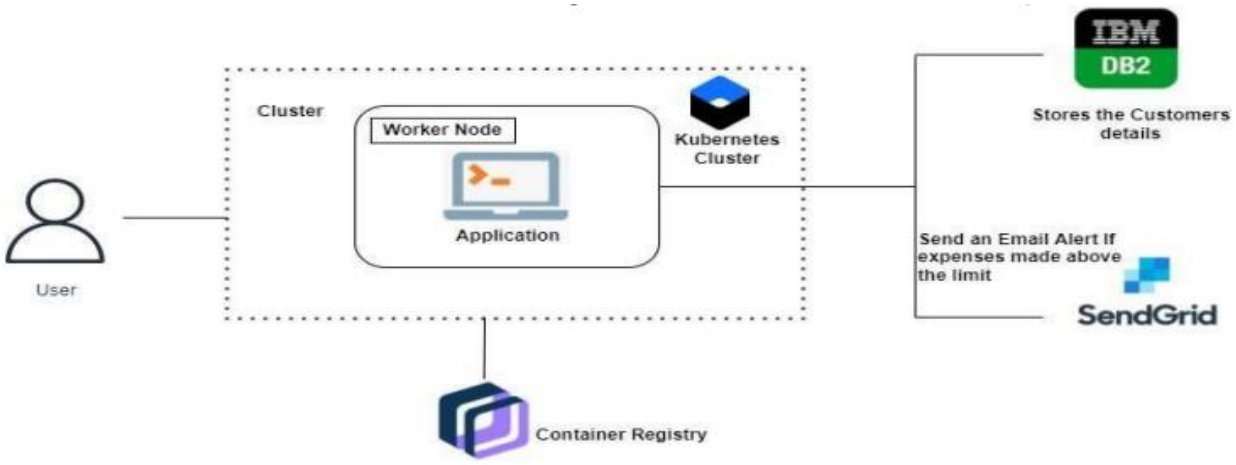


Table-1: Components & Technologies

So	Component	Description	Technology
1.	User Interface	The user can Interact with the application with use of Chatbot	HTML, CSS, JavaScript / Angular Js / React Js etc.
2.	Application Logic-1 Application Logic-2 Application Logic-3	The application contains the sign in/sign up where the user will login into the main dashboard Dashboard contains the fields like Add income, Add Expenses, Save money The user will get the expense report in the graph form and also get alerts if the expense limit exceeds.	Java / Python IBM Watson STT service IBM Watson Assistant,SendGrid
3.	Database	The Income and Expense data are stored in the MySQL database	MySQL, NoSQL, etc
4.	Cloud Database	With use of Database Service on Cloud, the User data are stored in a well secured Manner	IBM DB2, IBM Cloudant etc
5.	File Storage	IBM Block Storage used to store the Financial data of the user	IBM Block Storage or Other Storage Service or Local File system
6.	Infrastructure (Server / Cloud)	Application Deployment on CloudLocal Server Configuration	Local and Cloud Foundry

Table-2: Application Characteristics:

S.no	Characteristics	Description	Technology
1.	Open-Source Frameworks	Flask Framework in Python is used to implement this Application	Python-Flask
2.	Security Implementations	This application provides high security to the user Financial data. It can be done by using the Container Registry in IBM cloud.	Container Registry, Kubernetes Cluster
3.	Scalable Architecture	Expense Tracker is a life time access supplication. It's demand will increase when the user's income are high updated.	Container Registry, Kubernetes Cluster

4.	Availability	This application will be available to the user at any part of time	Container Registry, Kubernetes Cluster
5.	Performance	The performance will be high because there will be no network traffics in the application	Kubernetes Cluster

5.3 User Stories

Use the below template to list all the user stories for the product.

User Type	**Functional Requirement(Epic)**	**User Story Number**	**User Story/ Task**	**Acceptance criteria**	**Priority**	**Release**
Customer	Registration	USN-1	As a user, I can register for the application by entering my email,password	I can access my account / dashboard	High	
		USN-2	As a user, I will receive confirmation email once I have registered for the application	I can receive confirmation email & click confirm	High	
	Login	USN-3	As a user, I can log into the application by entering email & password	I can access the application	High	
	Dashboard (Budget Setting)	USN-4	As a user ,I can enter my income and expenditure details (Set Budget).	I can view my daily expenses	High	
	Category Selection (Manual, Bank)	USN-5	As a user, I can use Manual method where it has Barcode and Voice Recognition techniques and also I can go with Bank method	I can select according to my convenience	High	
Customer Care Executive		USN-6	As a customer care executive I can solve the log in issues and other issues of the application	I can provide support or solution at any time 24*7	Medium	

Administrator	Application	USN-7	As a administrator I can upgrade or update the application	I can fix the bug which arises for the customers and users of the application	Medium	

6. PROJECT PLANNING AND SCHEDULING

Project Tracker, Velocity & Burn down Chart

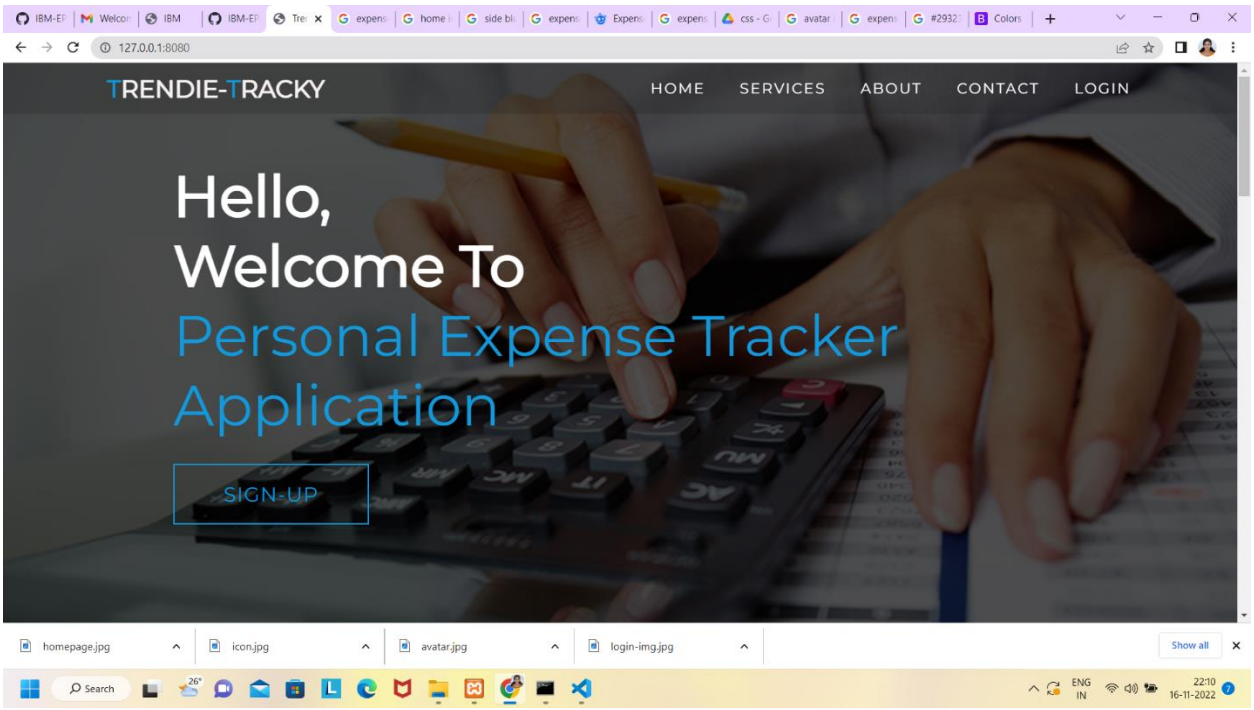
Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	27 Oct 2022	01 Nov 2022	20	30 Oct 2022
Sprint-2	20	5 Days	02 Nov 2022	06 Nov 2022	20	07 Nov 2022
Sprint-3	20	5 Days	07 Nov 2022	11 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	12 Nov 2022	18 Nov 2022	20	19 Nov 2022

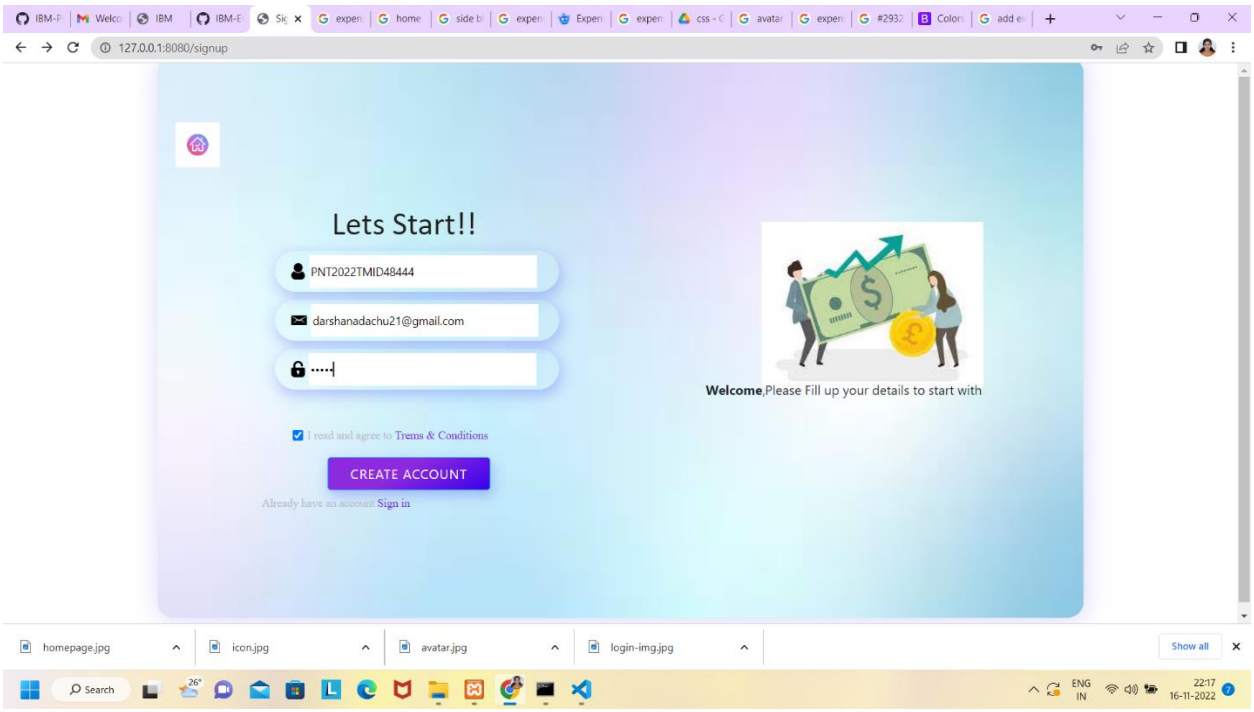
Sprint Delivery Schedule

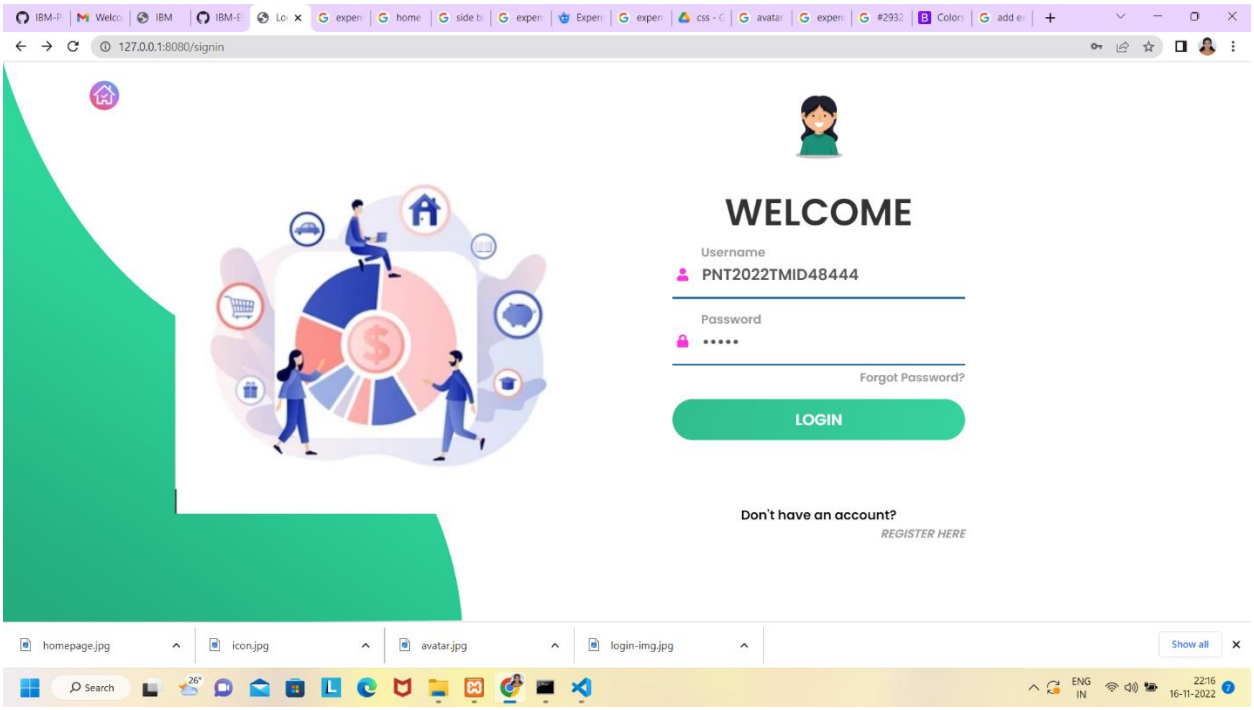
Velocity We have a 6-day sprint duration, and the velocity of the team is 20 (points per sprint). Calculating the team's average velocity (AV) per iteration unit (story points per day)

$$AV = \text{sprint duration}/\text{velocity} = 20/6 = 3.33$$

7. CODING AND SOLUTIONING (Explain the features added in the project along with code)



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Forgot Password?
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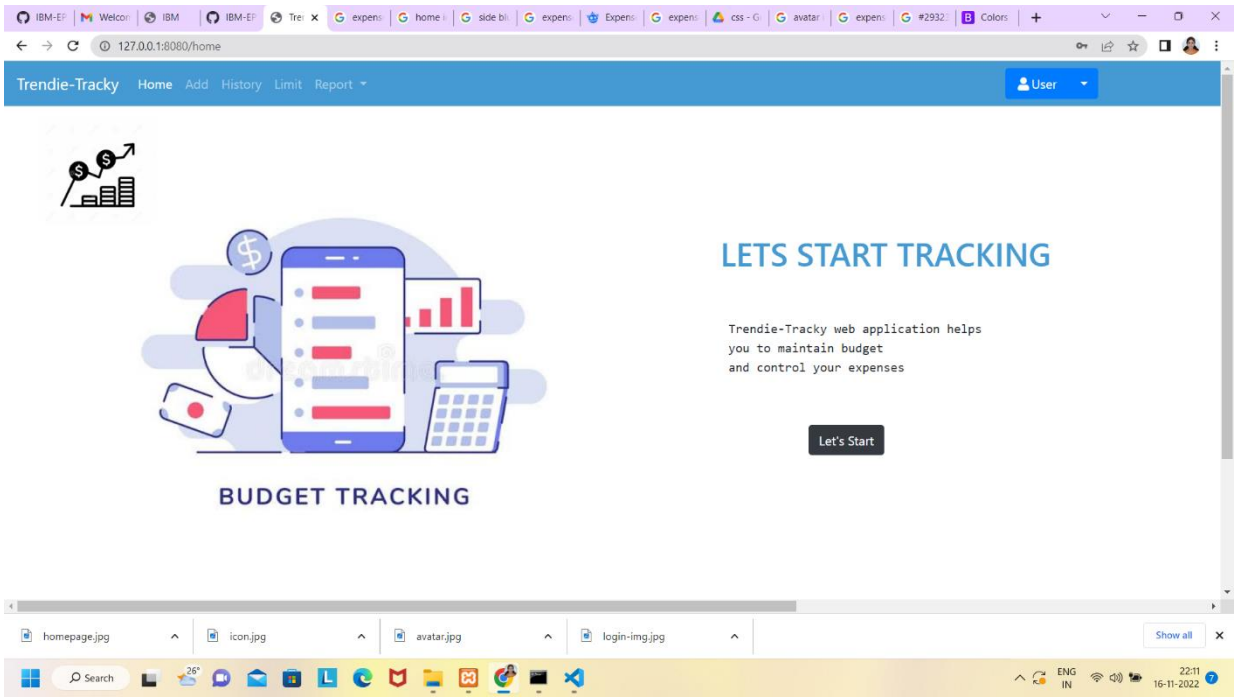
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BUDGET TRACKING
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you to maintain budget
and control your expenses
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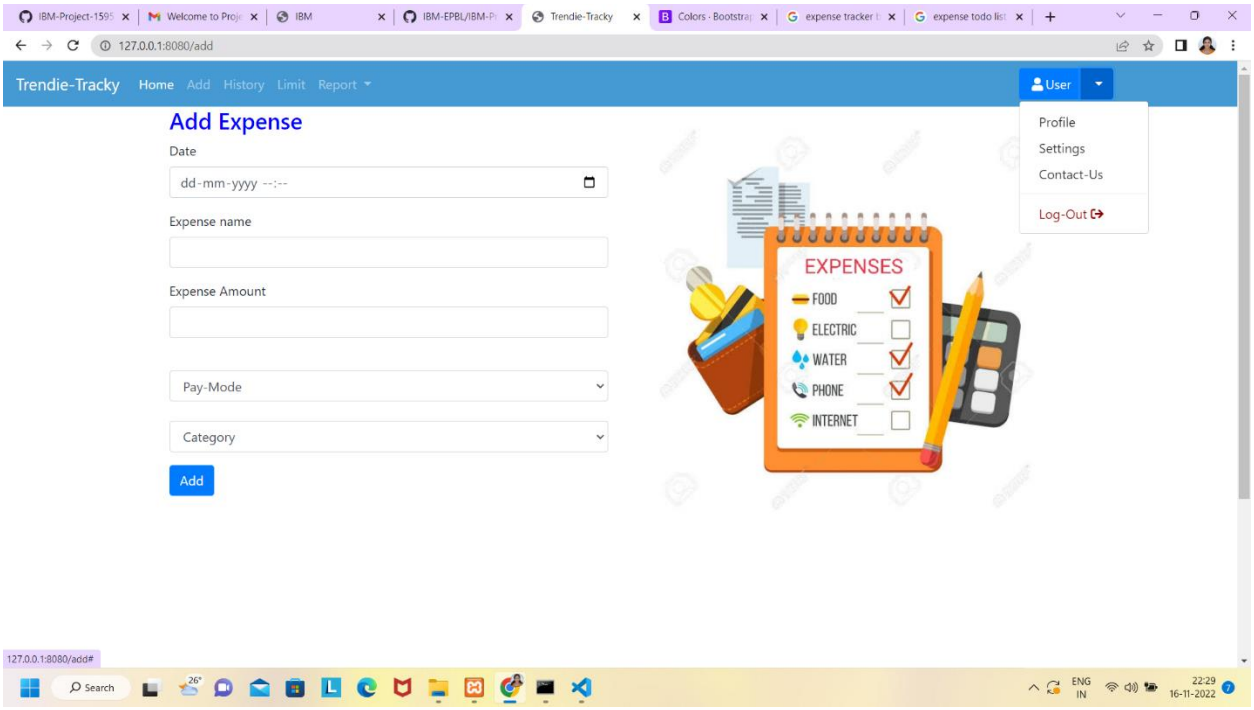
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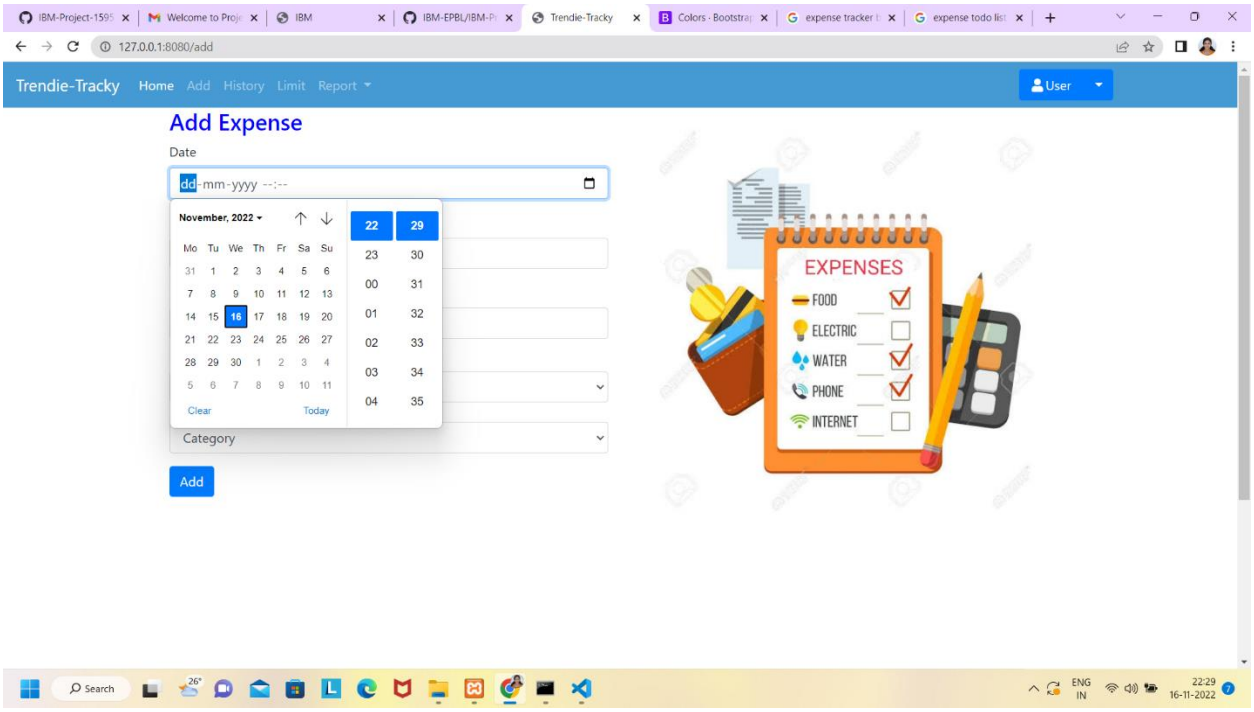
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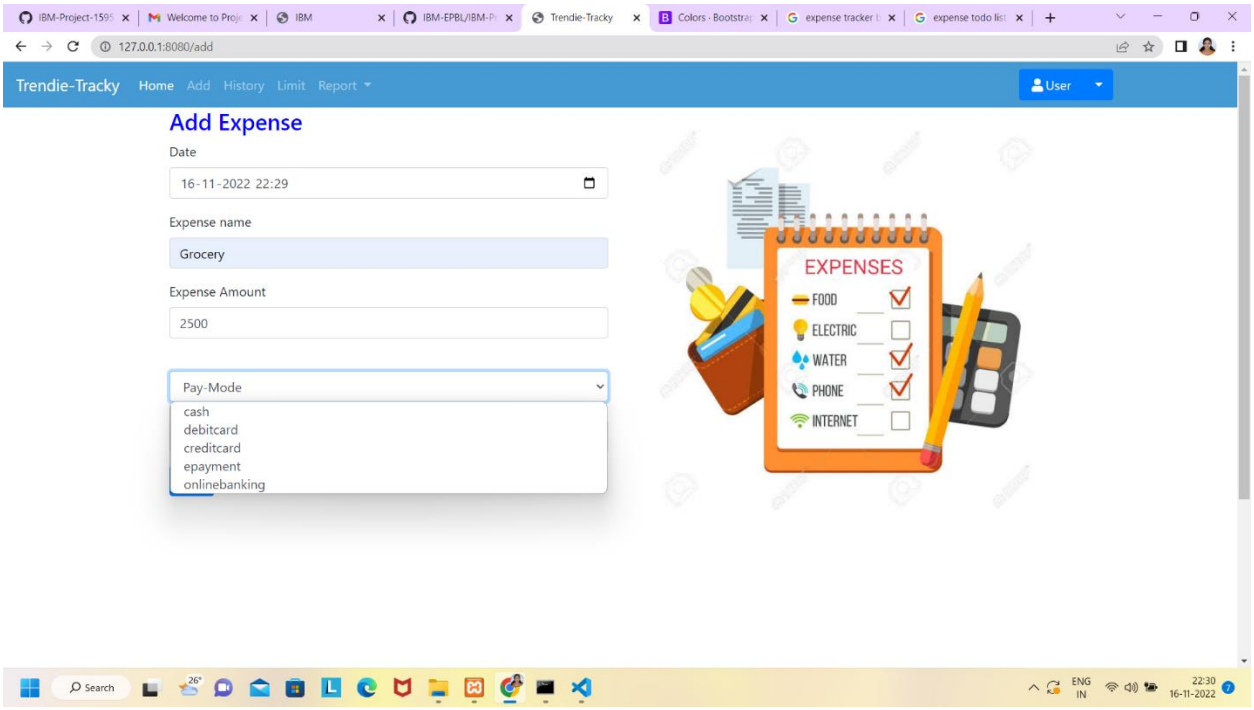
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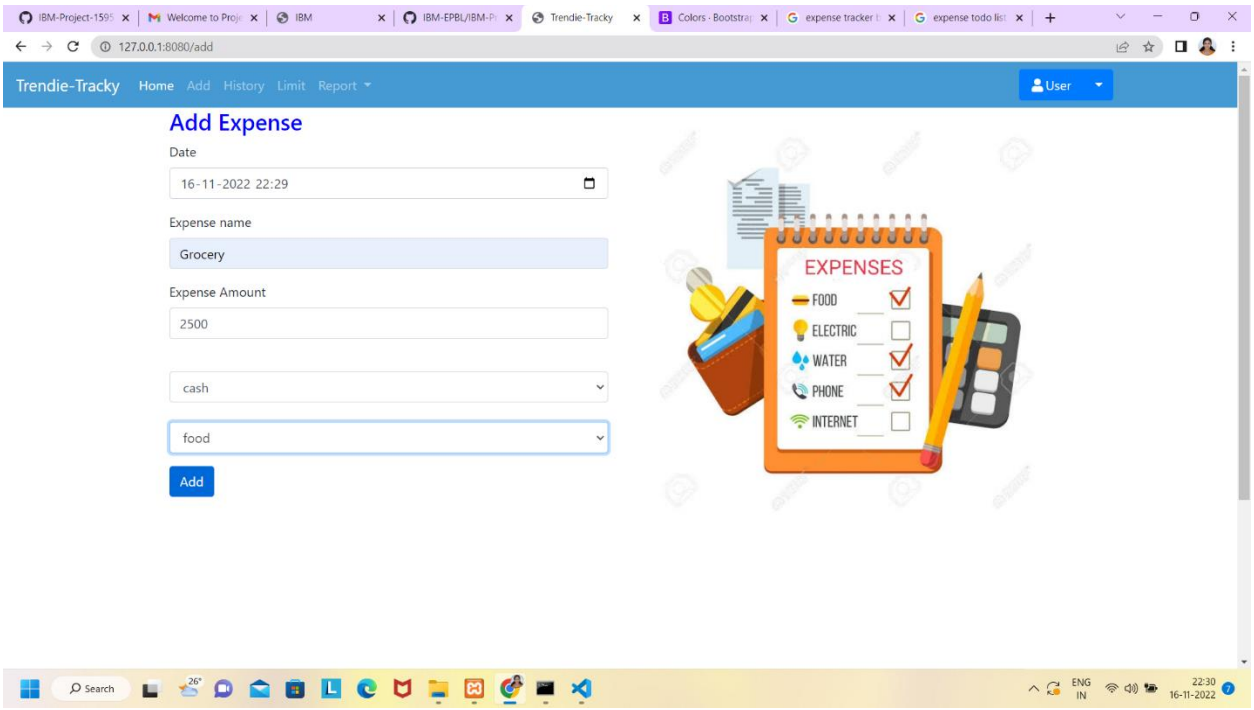
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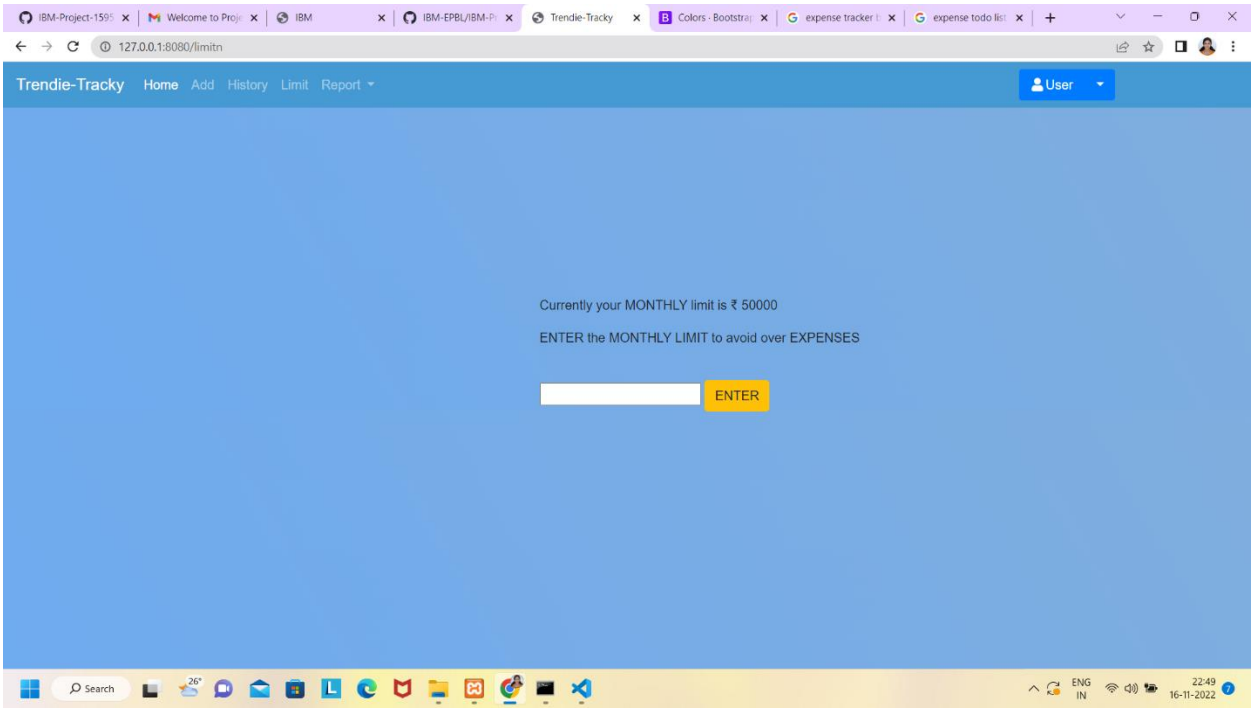
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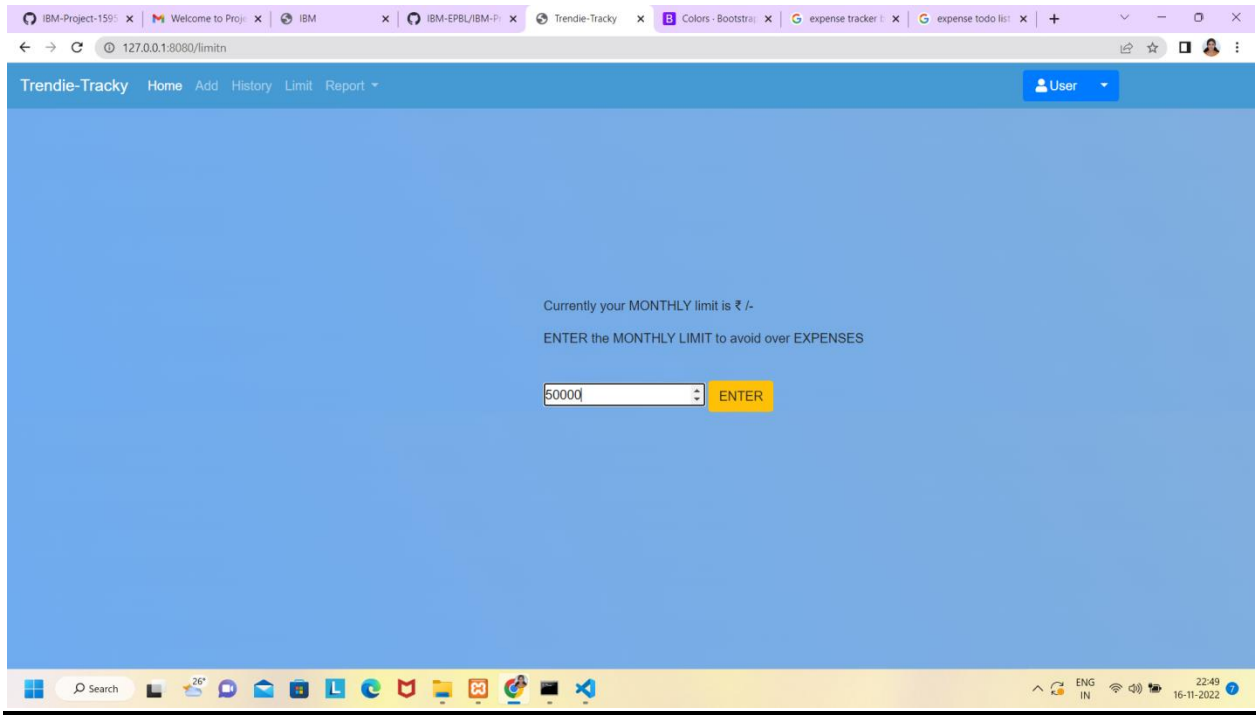
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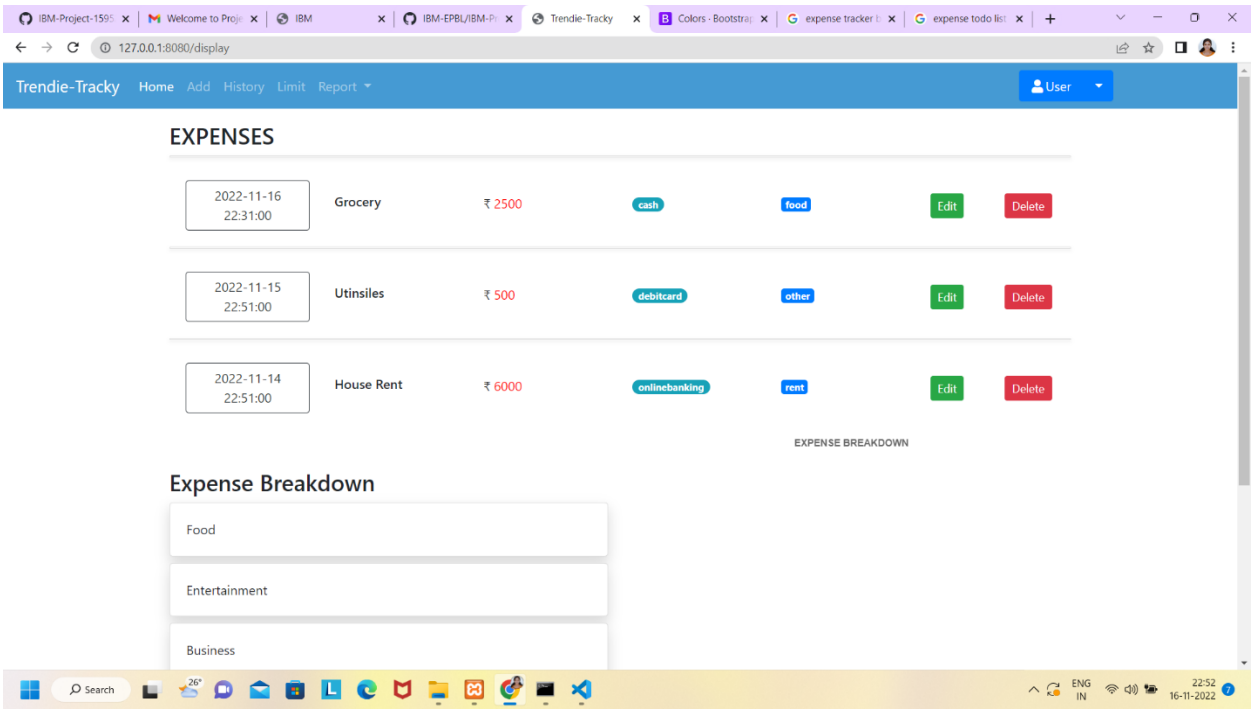
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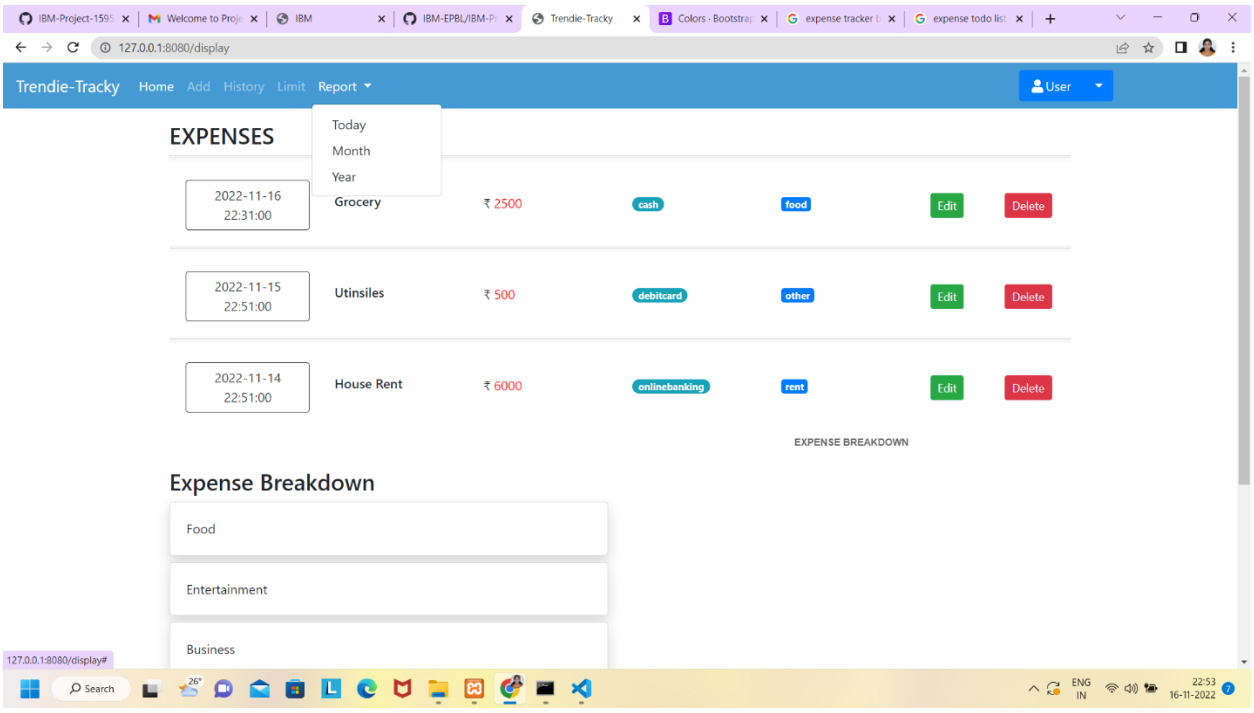
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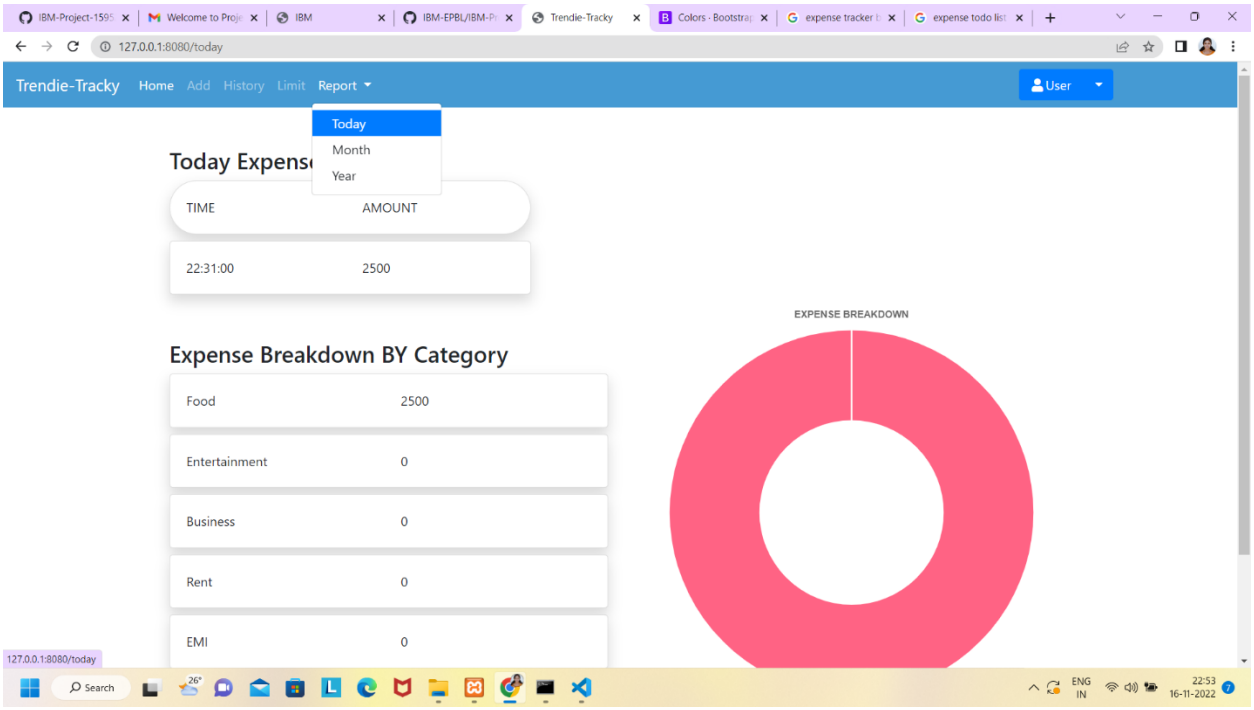
8.RESULTS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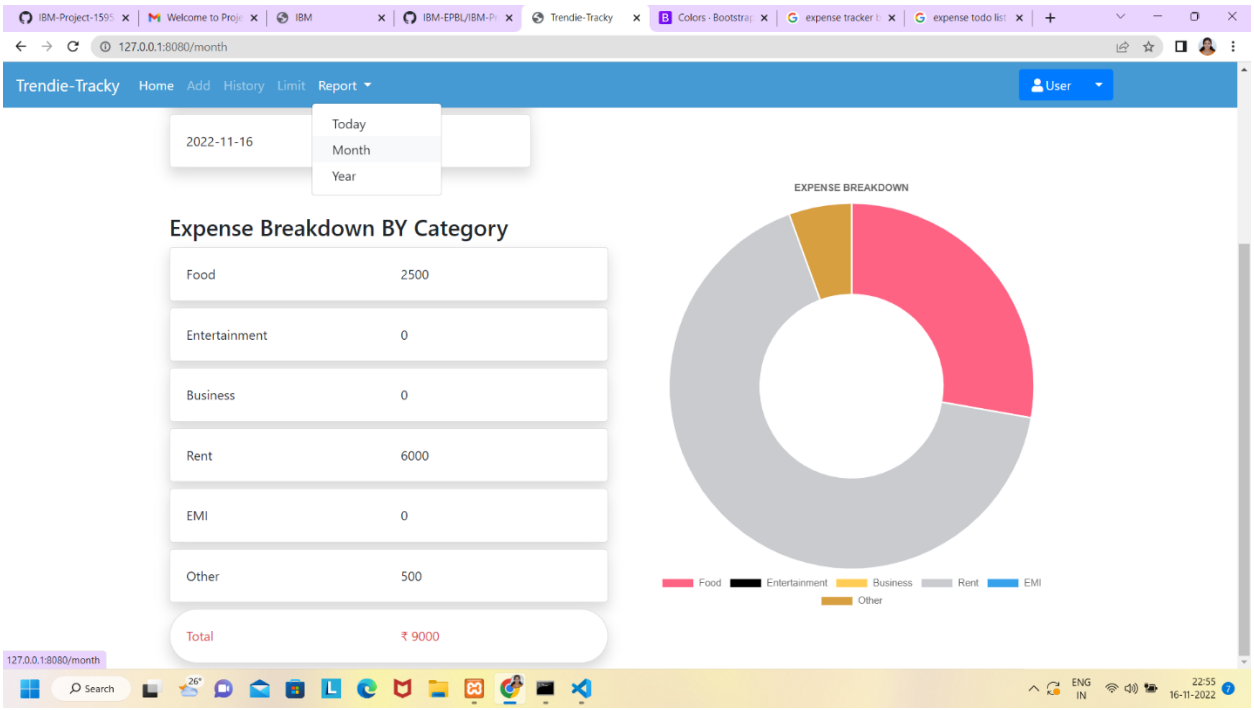
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Year
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Rent
6000
EMI
0
Other
500
Total
₹ 9000
EXPENSE BREAKDOWN
Food
Entertainment
Business
Rent
EMI
Other
127.0.0.1:8080/month

9. ADVANTAGES & DISADVANTAGES

ADVANTAGES:

- Easy Money management
- Reduce paper works
- Limitations in spending
- Manage unwanted spendings
- Well suitable for large organizations

DISADVANTAGES:

- More dependent on mobile phones
- Initially difficult to understand for uneducated people

10. CONCLUSION

By using this website one can know how much they spent and have a quality financial tracking, thus managing their expenses could be tracked more easily.

Managing and having a correct track of finance is essential in this scenario. But tracking it manually need time and effort, so with the help of such website the calculation will be much more easier also they have clear idea about where they have spent. With this method, they come to know about how much they spent on each activity.

Thus the user get to know their monthly, yearly and daily spendings in a graphical way which give them knowledge about their spendings and how they can minimize those spendings.

11. FUTURE SCOPE

The Existing Expense tracker website or application have basic features like adding, updating and deleting income and expenses, setting up limit and showing graphical statistics (piechart, bargraph, etc..)

In future, we are planning to add barcode system as well as voice recognition so that the tracking could be more easier.

- The barcode system can be used for scanning the bills which has barcode so that the expense will be displayed.
- The voice recognition can be used as an easier source even for uneducated people to track the expenses so that they can add their expense through speech.

12. APPENDIX

Source Code

```
# Project : Personal Expense Tracker Application
# Team ID : PNT2022TMID48444
```

Home.html

```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">


  <link rel="stylesheet" href="..\static\css\home.css">
  <title>Trendie-Tracky</title>
</head>

<body>
  <!-- Header -->
  <section id="header">
    <div class="header container">
      <div class="nav-bar">
        <div class="brand">
          <a href="#hero">
            <h1><span>T</span>rendie-<span>T</span>racky</h1>
          </a>
        </div>
        <div class="nav-list">
          <div class="hamburger">
            <div class="bar"></div>
          </div>
          <ul>
            <li><a href="#hero" data-after="Home">Home</a></li>
            <li><a href="#services" data-after="Service">Services</a></li>

            <li><a href="#about" data-after="About">About</a></li>
            <li><a href="#contact" data-after="Contact">Contact</a></li>
            <LI><a href="/signin" data-after="Login">Login</a></LI>
          </ul>
```

```
      </div>
    </div>
  </div>
 </section>
 <!-- End Header -->


 <!-- Hero Section  -->
 <section id="hero">
  <div class="hero container">
    <div>
      <h1>Hello, <span></span></h1>
      <h1>Welcome To <span></span></h1>
      <h1>Personal Expense Tracker Application <span></span></h1>
      <a href="/signup" type="button" class="cta">Sign-up</a>
    </div>
  </div>
 </section>
 <!-- End Hero Section  -->

 <!-- Service Section -->
 <section id="services">
  <div class="services container">
    <div class="service-top">
      <h1 class="section-title">Serv<span>i</span>ces</h1>
      <p>Trandie-Tracky provides a many services to deal with your daily financial expenses. Together can Stop the unnecessay spendings  </p>
    </div>
    <div class="service-bottom">
      <div class="service-item">
        <div class="icon"><img src="https://img.icons8.com/bubbles/100/000000/services.png" /></div>
        <h2>Personal Expenses</h2>
        <p>Budgeting is more than paying bills and setting aside savings.it's about creating a money plan for the life you want</p>
      </div>
      <div class="service-item">
        <div class="icon"><img src="https://img.icons8.com/bubbles/100/000000/services.png" /></div>
        <h2>Investments</h2>
        <p>Follow your investments and bring your portfolio into focus with support for stocks,bonds,CDs,mutual funds and more</p>
      </div>
      <div class="service-item">
        <div class="icon"><img src="https://img.icons8.com/bubbles/100/000000/services.png" /></div>
        <h2>Online Banking</h2>
        <p>MyBudget application can automatically download transactions and send payments online from many financial institutions</p>
      </div>
      <div class="service-item">
        <div class="icon"><img src="https://img.icons8.com/bubbles/100/000000/services.png" /></div>
        <h2>Financial Life</h2>
        <p>Get your Complete financial picture at a glance. With MyBudget application you can view your all the financial activities
```

```
        </p>
       </div>
     </div>
   </div>
 </section>
 <!-- End Service Section -->

<!-- About Section -->
 <section id="about">
   <div class="about container">
     <div class="col-left">
       <div class="about-img">
         <img src="..\static\images\img_2.jpg" alt="img">
         <div><h2>Chettinad College of Engineering <br> and Technology </h2></div>
       </div>
     </div>

     <div class="col-right">
       <h1 class="section-title">About <span>Us</span></h1>
       <h2>Financial Solution</h2>
       <p>Trendie-Tracky is an expenses tracking application. It provides many services to the customers to meet their needs whatever their money goals,there is a udgeting application help to reach them.You can Contact our service center for further information and also follow our social media for update on new services </p>
       <a href="#footer" class="cta">Follow Us</a>

     </div>
   </div>
 </section>
 <!-- End About Section -->

 <!-- Contact Section -->
 <section id="contact">
   <div class="contact container">
     <div>
       <h1 class="section-title">Contact <span>info</span></h1>
     </div>
     <div class="contact-items">
       <div class="contact-item">
         <div class="icon"><img src="https://img.icons8.com/bubbles/100/000000/phone.png" /></div>
         <div class="contact-info">
           <h1>Phone</h1>
           <h2>+91 9645
             240824</h2>
         </div>
       </div>
       <div class="contact-item">
         <div class="icon"><img src="https://img.icons8.com/bubbles/100/000000/new-post.png" /></div>
         <div class="contact-info">
           <h1>Email</h1>
           <h2>darshanadachu@gmail.com
             radhika@gmail.com
             rajeshwarisomasundaram@gmail.com
```

```
            shreeolimathi13@gmail.com
          </h2>
        </div>
      </div>
      <div class="contact-item">
        <div class="icon"><img src="https://img.icons8.com/bubbles/100/000000/map-marker.png" /></div>
        <div class="contact-info">
          <h1>Address</h1>
          <h2>Chettinad College of Engineering and Technology, Tamilnadu.</h2>
        </div>
      </div>
    </div>
  </div>
 </section>
 <!-- End Contact Section -->

 <!-- Footer -->
 <section id="footer">
  <div class="footer container">
    <div class="brand">
      <h1><span>T</span>rendie-<span>T</span>racky</h1>
    </div>
    <h2>Your Complete Financial Solution</h2>
    <div class="social-icon">
      <div class="social-item">
        <a href="#"><img src="https://img.icons8.com/bubbles/100/000000/facebook-new.png" /></a>
      </div>
      <div class="social-item">
        <a href="#"><img src="https://img.icons8.com/bubbles/100/000000/instagram-new.png" /></a>
      </div>
      <div class="social-item">
        <a href="#"><img src="https://img.icons8.com/bubbles/100/000000/behance.png" /></a>
      </div>
    </div>
    <p>Copyright Â© 2022 Chettinad. All rights reserved</p>
  </div>
 </section>
 <!-- End Footer -->
 <script src="..\static\js\home.js"></script>
</body>

</html>
```

Login.html

```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
```

```
  <meta name="viewport" content="width=device-width, initial-scale=1.0">


  <link rel="stylesheet" href="..\static\css\home.css">
  <title>Trendie-Tracky</title>
</head>

<body>
  <!-- Header -->
  <section id="header">
    <div class="header container">
      <div class="nav-bar">
        <div class="brand">
          <a href="#hero">
            <h1><span>T</span>rendie-<span>T</span>racky</h1>
          </a>
        </div>
        <div class="nav-list">
          <div class="hamburger">
            <div class="bar"></div>
          </div>
          <ul>
            <li><a href="#hero" data-after="Home">Home</a></li>
            <li><a href="#services" data-after="Service">Services</a></li>

            <li><a href="#about" data-after="About">About</a></li>
            <li><a href="#contact" data-after="Contact">Contact</a></li>
            <LI><a href="/signin" data-after="Login">Login</a></LI>
          </ul>
        </div>
      </div>
    </div>
  </section>
  <!-- End Header -->


  <!-- Hero Section  -->
  <section id="hero">
    <div class="hero container">
      <div>
        <h1>Hello, <span></span></h1>
        <h1>Welcome To <span></span></h1>
        <h1>Personal Expense Tracker Application <span></span></h1>
        <a href="/signup" type="button" class="cta">Sign-up</a>
      </div>
    </div>
  </section>
  <!-- End Hero Section  -->

  <!-- Service Section -->
  <section id="services">
    <div class="services container">
```

```
    <div class="service-top">
      <h1 class="section-title">Serv<span>i</span>ces</h1>
      <p>Trandie-Tracky provides a many services to deal with your daily financial expenses. Together can Stop the unnecessay spendings  </p>
    </div>
    <div class="service-bottom">
      <div class="service-item">
        <div class="icon"><img src="https://img.icons8.com/bubbles/100/000000/services.png" /></div>
        <h2>Personal Expenses</h2>
        <p>Budgeting is more than paying bills and setting aside savings.it's about creating a money plan for the life you want</p>
      </div>
      <div class="service-item">
        <div class="icon"><img src="https://img.icons8.com/bubbles/100/000000/services.png" /></div>
        <h2>Investments</h2>
        <p>Follow your investments and bring your portfolio into focus with support for stocks,bonds,CDs,mutual funds and more</p>
      </div>
      <div class="service-item">
        <div class="icon"><img src="https://img.icons8.com/bubbles/100/000000/services.png" /></div>
        <h2>Online Banking</h2>
        <p>MyBudget application can automatically download transactions and send payments online from many financial institutions</p>
      </div>
      <div class="service-item">
        <div class="icon"><img src="https://img.icons8.com/bubbles/100/000000/services.png" /></div>
        <h2>Financial Life</h2>
        <p>Get your Complete financial picture at a glance. With MyBudget application you can view your all the financial activities
        </p>
      </div>
    </div>
  </div>
 </section>
 <!-- End Service Section -->

<!-- About Section -->
 <section id="about">
  <div class="about container">
    <div class="col-left">
      <div class="about-img">
        <img src="..\static\images\img_2.jpg" alt="img">
        <div><h2>Chettinad College of Engineering <br> and Technology </h2></div>
      </div>
    </div>

    <div class="col-right">
      <h1 class="section-title">About <span>Us</span></h1>
      <h2>Financial Solution</h2>
      <p>Trendie-Tracky is an expenses tracking application. It provides many services to the customers to meet their needs whatever their money goals,there is a udgeting application help to reach them.You can Contact our service center for further information and also follow our social media for update on new services </p>
```

```
      <a href="#footer" class="cta">Follow Us</a>

    </div>
   </div>
  </section>
  <!-- End About Section -->

  <!-- Contact Section -->
  <section id="contact">
   <div class="contact container">
    <div>
     <h1 class="section-title">Contact <span>info</span></h1>
    </div>
    <div class="contact-items">
     <div class="contact-item">
      <div class="icon"><img src="https://img.icons8.com/bubbles/100/000000/phone.png" /></div>
      <div class="contact-info">
       <h1>Phone</h1>
       <h2>+91 9645
        240824</h2>
      </div>
     </div>
     <div class="contact-item">
      <div class="icon"><img src="https://img.icons8.com/bubbles/100/000000/new-post.png" /></div>
      <div class="contact-info">
       <h1>Email</h1>
       <h2>darshanadachu@gmail.com
        radhika@gmail.com
        rajeshwarisomasundaram@gmail.com
        shreeolimathi13@gmail.com
       </h2>
      </div>
     </div>
     <div class="contact-item">
      <div class="icon"><img src="https://img.icons8.com/bubbles/100/000000/map-marker.png" /></div>
      <div class="contact-info">
       <h1>Address</h1>
       <h2>Chettinad College of Engineering and Technology, Tamilnadu.</h2>
      </div>
     </div>
    </div>
   </div>
  </section>
  <!-- End Contact Section -->

  <!-- Footer -->
  <section id="footer">
   <div class="footer container">
    <!DOCTYPE html>
<html>
<head>
        <title>Login Form</title>
```

```
        <link rel="stylesheet" type="text/css" href="..\static\css\login.css">
        <link href="https://fonts.googleapis.com/css?family=Poppins:600&display=swap" rel="stylesheet">
        <script src="https://kit.fontawesome.com/a81368914c.js"></script>
        <meta name="viewport" content="width=device-width, initial-scale=1">
</head>
<body >
        <img class="wave" src="..\static\images\wave.png">
        <div class="container">

                <div class="img">
                        <div id="png"><a href="/" title="HOME"><img style="width:75px; height:75px ; "
src="..\static\images\home-icon.jpg"></a></div>
                        <img src="..\static\images\dia.jpg">
                </div>


                <div class="login-content">

                        <form action='/login' method="POST">
                                <div class="msg">{{ msg }}</div>
                                <img src="..\static\images\avatar.jpg">
                                <h2 class="title">Welcome</h2>
                <div class="input-div one">
                  <div class="i">
                                <i class="fas fa-user"></i>
                  </div>
                  <div class="div">
                                <h5>Username</h5>
                                <input type="text" name="username" class="input" required>
                  </div>
                </div>
                <div class="input-div pass">
                  <div class="i">
                        <i class="fas fa-lock"></i>
                  </div>
                  <div class="div">
                        <h5>Password</h5>
                        <input type="password"  name="password" class="input" required>
                  </div>
                </div>
                <a href="#">Forgot Password?</a>
                <input type="submit" class="btn" value="Login">

                                <div>
                                        <ul>


                                        </ul>

                                </div>
                                <div class="app" ><b>Don't have an account?</b><a id="app1"
href="\signup">REGISTER HERE</a></div>
```

```
        </form>

      </div>

   </div>

   <script type="text/javascript" src="..\static\js\login.js"></script>
</body>
</html>
```

Home.css

```
@import 'https://fonts.googleapis.com/css?family=Montserrat:300, 400, 700&display=swap';
* {
        padding: 0;
        margin: 0;
        box-sizing: border-box;
}
html {
        font-size: 10px;
        font-family: 'Montserrat', sans-serif;
        scroll-behavior: smooth;
}
a {
        text-decoration: none;
}
.container {
        min-height: 100vh;
        width: 100%;
        display: flex;
        align-items: center;
        justify-content: center;
}
img {
        height: 100%;
        width: 100%;
        object-fit: cover;
}
p {
        color: black;
        font-size: 1.4rem;
        margin-top: 5px;
        line-height: 2.5rem;
        font-weight: 300;
        letter-spacing: 0.05rem;
}
.section-title {
        font-size: 4rem;
        font-weight: 300;
        color: black;
        margin-bottom: 10px;
```

```
        text-transform: uppercase;
        letter-spacing: 0.2rem;
        text-align: center;
}
.section-title span {
        color: rgb(141, 209, 240);
}

.cta {
        display: inline-block;
        padding: 10px 30px;
        color: rgb(2, 153, 220);
        background-color: transparent;
        border: 2px solid rgb(20, 153, 220);
        font-size: 2rem;
        text-transform: uppercase;
        letter-spacing: 0.1rem;
        margin-top: 30px;
        transition: 0.3s ease;
        transition-property: background-color, color;
}
.cta:hover {
        color: white;
        background-color: rgb(20, 153, 220);
}
.brand h1 {
        font-size: 3rem;
        text-transform: uppercase;
        color: rgb(248, 244, 244);
}
.brand h1 span {
        color: rgb(20, 153, 220);
}

/* Header section */
#header {
        position: fixed;
        z-index: 1000;
        left: 0;
        top: 0;
        width: 100vw;
        height: auto;
}
#header .header {
        min-height: 8vh;
        background-color: rgba(31, 30, 30, 0.24);
        transition: 0.3s ease background-color;
}
#header .nav-bar {
        display: flex;
        align-items: center;
        justify-content: space-between;
```

```
        width: 100%;
        height: 100%;
        max-width: 1300px;
        padding: 0 10px;
}
#header .nav-list ul {
        list-style: none;
        position: absolute;
        background-color: rgb(31, 30, 30);
        width: 100vw;
        height: 100vh;
        left: 100%;
        top: 0;
        display: flex;
        flex-direction: column;
        justify-content: center;
        align-items: center;
        z-index: 1;
        overflow-x: hidden;
        transition: 0.5s ease left;
}
#header .nav-list ul.active {
        left: 0%;
}
#header .nav-list ul a {
        font-size: 2.5rem;
        font-weight: 500;
        letter-spacing: 0.2rem;
        text-decoration: none;
        color: white;
        text-transform: uppercase;
        padding: 20px;
        display: block;
}
#header .nav-list ul a::after {
        content: attr(data-after);
        position: absolute;
        top: 50%;
        left: 50%;
        transform: translate(-50%, -50%) scale(0);
        color: rgba(240, 248, 255, 0.021);
        font-size: 13rem;
        letter-spacing: 50px;
        z-index: -1;
        transition: 0.3s ease letter-spacing;
}
#header .nav-list ul li:hover a::after {
        transform: translate(-50%, -50%) scale(1);
        letter-spacing: initial;
}
#header .nav-list ul li:hover a {
        color: rgb(20, 153, 220);
```

```
}
#header .hamburger {
	height: 60px;
	width: 60px;
	display: inline-block;
	border: 3px solid white;
	border-radius: 50%;
	position: relative;
	display: flex;
	align-items: center;
	justify-content: center;
	z-index: 100;
	cursor: pointer;
	transform: scale(0.8);
	margin-right: 20px;
}
#header .hamburger:after {
	position: absolute;
	content: '';
	height: 100%;
	width: 100%;
	border-radius: 50%;
	border: 3px solid white;
	animation: hamburger_puls 1s ease infinite;
}
#header .hamburger .bar {
	height: 2px;
	width: 30px;
	position: relative;
	background-color: white;
	z-index: -1;
}
#header .hamburger .bar::after,
#header .hamburger .bar::before {
	content: '';
	position: absolute;
	height: 100%;
	width: 100%;
	left: 0;
	background-color: white;
	transition: 0.3s ease;
	transition-property: top, bottom;
}
#header .hamburger .bar::after {
	top: 8px;
}
#header .hamburger .bar::before {
	bottom: 8px;
}
#header .hamburger.active .bar::before {
	bottom: 0;
}
```

```
#header .hamburger.active .bar::after {
	top: 0;
}
/* End Header section */

/* Hero Section */
#hero {
	background-image: url(../images/img-1.jpg);
	background-size: cover;
	background-position: top center;
	position: relative;
	z-index: 1;
}
#hero::after {
	content: '';
	position: absolute;
	left: 0;
	top: 0;
	height: 100%;
	width: 100%;
	background-color: black;
	opacity: 0.7;
	z-index: -1;
}
#hero .hero {
	max-width: 1200px;
	margin: 0 auto;
	padding: 0 50px;
	justify-content: flex-start;
}
#hero h1 {
	display: block;
	width: fit-content;
	font-size: 4rem;
	position: relative;
	color: transparent;
	animation: text_reveal 0.5s ease forwards;
	animation-delay: 1s;
}
#hero h1:nth-child(1) {
	animation-delay: 1s;
}
#hero h1:nth-child(2) {
	animation-delay: 2s;
}
#hero h1:nth-child(3) {
	animation: text_reveal_name 0.5s ease forwards;
	animation-delay: 3s;
}
#hero h1 span {
	position: absolute;
	top: 0;
```

```
        left: 0;
        height: 100%;
        width: 0;
        background-color: rgb(20, 153, 220);
        animation: text_reveal_box 1s ease;
        animation-delay: 0.5s;
}
#hero h1:nth-child(1) span {
        animation-delay: 0.5s;
}
#hero h1:nth-child(2) span {
        animation-delay: 1.5s;
}
#hero h1:nth-child(3) span {
        animation-delay: 2.5s;
}

/* End Hero Section */

/* Services Section */
#services .services {
        flex-direction: column;
        text-align: center;
        max-width: 1500px;
        margin: 0 auto;
        padding: 100px 0;
}
#services .service-top {
        max-width: 500px;
        margin: 0 auto;
}
#services .service-bottom {
        display: flex;
        align-items: center;
        justify-content: center;
        flex-wrap: wrap;
        margin-top: 50px;
}
#services .service-item {
        flex-basis: 80%;
        display: flex;
        align-items: flex-start;
        justify-content: center;
        flex-direction: column;
        padding: 30px;
        border-radius: 10px;
        background-image: url('../images/expensee.jpg');
        background-size: cover;
        margin: 10px 5%;
        position: relative;
        z-index: 1;
        overflow: hidden;
```

```
}
#services .service-item::after {
	content: '';
	position: absolute;
	left: 0;
	top: 0;
	height: 100%;
	width: 100%;
	background-image: linear-gradient(60deg, #29323c 0%, #485563 100%);
	opacity: 0.9;
	z-index: -1;
}
#services .service-bottom .icon {
	height: 80px;
	width: 80px;
	margin-bottom: 20px;
}
#services .service-item h2 {
	font-size: 2rem;
	color: white;
	margin-bottom: 10px;
	text-transform: uppercase;
}
#services .service-item p {
	color: white;
	text-align: left;
}
/* End Services Section */

/* Projects section */
#projects .projects {
	flex-direction: column;
	max-width: 1200px;
	margin: 0 auto;
	padding: 100px 0;
}
#projects .projects-header h1 {
	margin-bottom: 50px;
}
#projects .all-projects {
	display: flex;
	align-items: center;
	justify-content: center;
	flex-direction: column;
}
#projects .project-item {
	display: flex;
	align-items: center;
	justify-content: center;
	flex-direction: column;
	width: 80%;
	margin: 20px auto;
```

```
        overflow: hidden;
        border-radius: 10px;
}
#projects .project-info {
        padding: 30px;
        flex-basis: 50%;
        height: 100%;
        display: flex;
        align-items: flex-start;
        justify-content: center;
        flex-direction: column;
        background-image: linear-gradient(60deg, #29323c 0%, #485563 100%);
        color: white;
}
#projects .project-info h1 {
        font-size: 4rem;
        font-weight: 500;
}
#projects .project-info h2 {
        font-size: 1.8rem;
        font-weight: 500;
        margin-top: 10px;
}
#projects .project-info p {
        color: white;
}
#projects .project-img {
        flex-basis: 50%;
        height: 300px;
        overflow: hidden;
        position: relative;
}
#projects .project-img:after {
        content: '';
        position: absolute;
        left: 0;
        top: 0;
        height: 100%;
        width: 100%;
        background-image: linear-gradient(60deg, #29323c 0%, #485563 100%);
        opacity: 0.7;
}
#projects .project-img img {
        transition: 0.3s ease transform;
}
#projects .project-item:hover .project-img img {
        transform: scale(1.1);
}
/* End Projects section */

/* About Section */
#about .about {
```

```
        flex-direction: column-reverse;
        text-align: center;
        max-width: 1200px;
        margin: 0 auto;
        padding: 100px 20px;
}
#about .col-left {
        width: 250px;
        height: 360px;
}
#about .col-right {
        width: 100%;
}
#about .col-right h2 {
        font-size: 1.8rem;
        font-weight: 500;
        letter-spacing: 0.2rem;
        margin-bottom: 10px;
}
#about .col-right p {
        margin-bottom: 20px;
}
#about .col-right .cta {
        color: black;
        margin-bottom: 50px;
        padding: 10px 20px;
        font-size: 2rem;
}
#about .col-left .about-img {
        height: 100%;
        width: 100%;
        position: relative;
        border: 10px solid white;
}
#about .col-left .about-img::after {
        content: '';
        position: absolute;
        left: -33px;
        top: 19px;
        height: 98%;
        width: 98%;
        border: 7px solid rgb(20, 153, 220);
        z-index: -1;
}
/* End About Section */

/* contact Section */
#contact .contact {
        flex-direction: column;
        max-width: 1200px;
        margin: 0 auto;
        width: 90%;
```

```
}
#contact .contact-items {
	/* max-width: 400px; */
	width: 100%;
}
#contact .contact-item {
	width: 80%;
	padding: 20px;
	text-align: center;
	border-radius: 10px;
	padding: 30px;
	margin: 30px;
	display: flex;
	justify-content: center;
	align-items: center;
	flex-direction: column;
	box-shadow: 0px 0px 18px 0 #0000002c;
	transition: 0.3s ease box-shadow;
}
#contact .contact-item:hover {
	box-shadow: 0px 0px 5px 0 #0000002c;
}
#contact .icon {
	width: 70px;
	margin: 0 auto;
	margin-bottom: 10px;
}
#contact .contact-info h1 {
	font-size: 2.5rem;
	font-weight: 500;
	margin-bottom: 5px;
}
#contact .contact-info h2 {
	font-size: 1.3rem;
	line-height: 2rem;
	font-weight: 500;
}
/*End contact Section */

/* Footer */
#footer {
	background-image: linear-gradient(60deg, #29323c 0%, #485563 100%);
}
#footer .footer {
	min-height: 200px;
	flex-direction: column;
	padding-top: 50px;
	padding-bottom: 10px;
}
#footer h2 {
	color: white;
	font-weight: 500;
```

```
	font-size: 1.8rem;
	letter-spacing: 0.1rem;
	margin-top: 10px;
	margin-bottom: 10px;
}
#footer .social-icon {
	display: flex;
	margin-bottom: 30px;
}
#footer .social-item {
	height: 50px;
	width: 50px;
	margin: 0 5px;
}
#footer .social-item img {
	filter: grayscale(1);
	transition: 0.3s ease filter;
}
#footer .social-item:hover img {
	filter: grayscale(0);
}
#footer p {
	color: white;
	font-size: 1.3rem;
}
/* End Footer */

/* Keyframes */
@keyframes hamburger_puls {
	0% {
		opacity: 1;
		transform: scale(1);
	}
	100% {
		opacity: 0;
		transform: scale(1.4);
	}
}
@keyframes text_reveal_box {
	50% {
		width: 100%;
		left: 0;
	}
	100% {
		width: 0;
		left: 100%;
	}
}
@keyframes text_reveal {
	100% {
		color: white;
	}
```

```
}
@keyframes text_reveal_name {
	100% {
		color: rgb(20, 153, 220);
		font-weight: 500;
	}
}
/* End Keyframes */

/* Media Query For Tablet */
@media only screen and (min-width: 768px) {
	.cta {
		font-size: 2.5rem;
		padding: 20px 60px;
	}
	h1.section-title {
		font-size: 6rem;
	}

	/* Hero */
	#hero h1 {
		font-size: 7rem;
	}
	/* End Hero */

	/* Services Section */
	#services .service-bottom .service-item {
		flex-basis: 45%;
		margin: 2.5%;
	}
	/* End Services Section */

	/* Project */
	#projects .project-item {
		flex-direction: row;
	}
	#projects .project-item:nth-child(even) {
		flex-direction: row-reverse;
	}
	#projects .project-item {
		height: 400px;
		margin: 0;
		width: 100%;
		border-radius: 0;
	}
	#projects .all-projects .project-info {
		height: 100%;
	}
	#projects .all-projects .project-img {
		height: 100%;
	}
	/* End Project */
```

```
/* About */
#about .about {
	flex-direction: row;
}
#about .col-left {
	width: 600px;
	height: 400px;
	padding-left: 60px;
}
#about .about .col-left .about-img::after {
	left: -45px;
	top: 34px;
	height: 98%;
	width: 98%;
	border: 10px solid rgb(20, 153, 220);
}
#about .col-right {
	text-align: left;
	padding: 30px;
}
#about .col-right h1 {
	text-align: left;
}
/* End About */

/* contact  */
#contact .contact {
	flex-direction: column;
	padding: 100px 0;
	align-items: center;
	justify-content: center;
	min-width: 20vh;
}
#contact .contact-items {
	width: 100%;
	display: flex;
	flex-direction: row;
	justify-content: space-evenly;
	margin: 0;
}
#contact .contact-item {
	width: 30%;
	margin: 0;
	flex-direction: row;
}
#contact .contact-item .icon {
	height: 100px;
	width: 100px;
}
#contact .contact-item .icon img {
	object-fit: contain;
```

```
        }
        #contact .contact-item .contact-info {
                width: 100%;
                text-align: left;
                padding-left: 20px;
        }
        /* End contact  */
}
/* End Media Query For Tablet */

/* Media Query For Desktop */
@media only screen and (min-width: 1200px) {
        /* header */
        #header .hamburger {
                display: none;
        }
        #header .nav-list ul {
                position: initial;
                display: block;
                height: auto;
                width: fit-content;
                background-color: transparent;
        }
        #header .nav-list ul li {
                display: inline-block;
        }
        #header .nav-list ul li a {
                font-size: 1.8rem;
        }
        #header .nav-list ul a:after {
                display: none;
        }
        /* End header */

        #services .service-bottom .service-item {
                flex-basis: 22%;
                margin: 1.5%;
        }
}
/* End  Media Query For Desktop */
```

Login.css

```
*{
        padding: 0;
        margin: 0;
        box-sizing: border-box;
}

body{
   font-family: 'Poppins', sans-serif;
   overflow: hidden;
```

```
}

.wave{
	position: fixed;
	bottom: 0;
	left: 0;
	height: 100%;
	z-index: -1;
}

.container{
   width: 100vw;
   height: 100vh;
   display: grid;
   grid-template-columns: repeat(2, 1fr);
   grid-gap :7rem;
   padding: 0 2rem;
}

.img{
	display: flex;
	justify-content: flex-end;
	align-items: center;
}

.login-content{
	display: flex;
	justify-content: flex-start;
	align-items: center;
	text-align: center;
}

.img img{
	width: 500px;
}

form{
	width: 360px;
}

.login-content img{
   height: 100px;
}

.login-content h2{
	margin: 15px 0;
	color: #333;
	text-transform: uppercase;
	font-size: 2.9rem;
}

.login-content .input-div{
```

```
        position: relative;
    display: grid;
    grid-template-columns: 7% 93%;
    margin: 25px 0;
    padding: 5px 0;
    border-bottom: 2px solid #d9d9d9;
}

.login-content .input-div.one{
        margin-top: 0;
}

.i{
        color: #d9d9d9;
        display: flex;
        justify-content: center;
        align-items: center;
}

.i i{
        transition: .3s;
}

.input-div > div{
    position: relative;
        height: 45px;
}

.input-div > div > h5{
        position: absolute;
        left: 10px;
        top: 50%;
        transform: translateY(-50%);
        color: #999;
        font-size: 18px;
        transition: .3s;
}

.input-div:before, .input-div:after{
        content: '';
        position: absolute;
        bottom: -2px;
        width: 0%;
        height: 2px;
        background-color: #0d5b92;
        transition: .4s;
}

.input-div:before{
        right: 50%;
}
```

```
.input-div:after{
	left: 50%;
}

.input-div.focus:before, .input-div.focus:after{
	width: 50%;
}

.input-div.focus > div > h5{
	top: -5px;
	font-size: 15px;
}

.input-div.focus > .i > i{
	color: #fe34dd;
}

.input-div > div > input{
	position: absolute;
	left: 0;
	top: 0;
	width: 100%;
	height: 100%;
	border: none;
	outline: none;
	background: none;
	padding: 0.5rem 0.7rem;
	font-size: 1.2rem;
	color: #555;
	font-family: 'poppins', sans-serif;
}

.input-div.pass{
	margin-bottom: 4px;
}

a{
	display: block;
	text-align: right;
	text-decoration: none;
	color: #999;
	font-size: 0.9rem;
	transition: .3s;
}

a:hover{
	color: #38d39f;
}

.btn{
	display: block;
	width: 100%;
```

```
        height: 50px;
        border-radius: 25px;
        outline: none;
        border: none;
        background-image: linear-gradient(to right, #32be8f, #38d39f, #32be8f);
        background-size: 200%;
        font-size: 1.2rem;
        color: #fff;
        font-family: 'Poppins', sans-serif;
        text-transform: uppercase;
        margin: 1rem 0;
        cursor: pointer;
        transition: .5s;
}
.btn:hover{
        background-position: right;
}


@media screen and (max-width: 1050px){
        .container{
                grid-gap: 5rem;
        }
}

@media screen and (max-width: 1000px){
        form{
                width: 290px;
        }

        .login-content h2{
      font-size: 2.4rem;
      margin: 8px 0;
        }

        .img img{
                width: 400px;
        }
}

@media screen and (max-width: 900px){
        .container{
                grid-template-columns: 1fr;
        }

        .img{
                display: none;
        }

        .wave{
                display: none;
        }
```

```
        .login-content{
                justify-content: center;
        }
}
.container{
        overflow:scroll
}
.container::-webkit-scrollbar {
   display: none;
}
ul {
        position:relative;
        top:-20px;
        left:0%;
        right:10%;
        transform: translate(-50%, -50%);
        margin: 75px;
        padding:0;
        display:flex;
        flex:auto;
 }

 ul li {
        list-style: none;
 }

 ul li a {
        position: relative;
        width:60px;
        height:60px;
        display:block;
        text-align:center;
        margin:0 10px;
        border-radius: 50%;
        padding: 6px;
        box-sizing: border-box;
        text-decoration:none;
        box-shadow: 0 10px 15px rgba(0,0,0,0.3);
        background: linear-gradient(0deg, #ddd, #fff);
        transition: .5s;
 }

 ul li a:hover {
        box-shadow: 0 2px 5px rgba(0,0,0,0.3);
        text-decoration:none;
 }

 ul li a .fab {
        width: 100%;
        height:100%;
        display:block;
```

```
        background: linear-gradient(0deg, #fff, #ddd);
        border-radius: 50%;
        line-height: calc(60px - 12px);
        font-size:24px;
        color: #262626;
        transition: .5s;
}

ul li:nth-child(1) a:hover .fab {
        color: #3b5998;
}

ul li:nth-child(2) a:hover .fab {
        color: #00aced;
}

ul li:nth-child(3) a:hover .fab {
        color: #dd4b39;
}

ul li:nth-child(4) a:hover .fab {
        color: #007bb6;
}

ul li:nth-child(5) a:hover .fab {
        color: #e4405f;
}
.app{
          position: relative;
          top: -70px;
          height: 5%;


}
#app1{
          font-style: oblique;
          color:linear-gradient(to right, #32be8f, #38d39f, #32be8f); ;
}
#png{
          position: relative;
          top: -300px;
          right: 50px;

}
```

Signup.css

```
@charset "utf-8";
/* CSS Document */
body{
 background-color:#eef1f8;
 margin:0px;
```

```
 padding:0px;
}
a{
 text-decoration:none;
}
.container{
 width:100%;
 height:100%;
 background-color:#FFFFFF;
 position: absolute;
 left:50%;
 top:49%;
 transform:translate(-50%,-50%);
 box-shadow:2px 2px 30px rgba(66,57,238,0.2);
 border-radius:20px;
 display:flex;
 justify-content: center;
 align-items:center;
 background-image: url('../images/signup-bg.jpg');
 background-repeat:no-repeat;
 background-size:cover;
}
.sign-up{
          position: relative;
          left: -250px;
 width:50%;
 display:flex;
 flex-direction:column;
 align-items: center;

}
.text-container{
   position: relative;
   top:-100px; padding-bottom:-50px;
 width:50%;
 height:100%;
 display:flex;
 flex-direction:column;
 justify-content: center;
 align-items: center;
 margin-left:700px;
 margin-bottom:-10px;
 top:-40px

}
.heading{
 font-family:calibri;
 color:rgba(30,30,30,1);
position: relative;
left:80px ;
}
.text{
```

```
 width:350px;
 height:50px;
 box-shadow:2px 6px 18px rgba(66,57,238,0.3);
 border-radius: 30px;
 display:flex;
 align-items:center;
 margin:10px;
}
.text input{
 height:40px;
 width:80%;
 outline:none;
 border:none;
 font-size:14px;
 margin:5px;
}
.text img{
 margin-left:20px;
}
.conditions{
 font-family:myriad pro;
 color:#bbc1cb;
 font-size:14px;
}
.trems{
    top:20px ;
    position: relative;
          left:37px ;

 display: flex;
 align-items:center;
}
.conditions a{
 color:#7d22e3;
 font-weight:500;
}
button{
 width:200px;
 height:40px;
 outline:none;
 border:none;
 border-radius:20px;
 background:linear-gradient(-30deg,#3b02ed,#8e2ae0 55%);
 box-shadow:2px 6px 16px rgba(66,57,238,0.3);
 color:#FFFFFF;
 font-weight:600;
 letter-spacing:1px;
 font-weight: 13px;
}
button:active{
 transform:scale(1.1);
}
```

```
.text-container p{
 width:70%;
 text-align: center;
 font-family:arial;
 font-size: 15px;
 font-weight: 400;
 line-height:0px;
}
ul {
        position:relative;
        top:40px;
        left:25%;
        right:100px;
        transform: translate(-50%, -50%);
        margin: 75px;
        padding:0;
        display:flex;
        flex:auto;
  }

  ul li {
        list-style: none;
  }

  ul li a {
        position: relative;
        width:60px;
        height:60px;
        display:block;
        text-align:center;
        margin:0 10px;
        border-radius: 50%;
        padding: 6px;
        box-sizing: border-box;
        text-decoration:none;
        box-shadow: 0 10px 15px rgba(0,0,0,0.3);
        background: linear-gradient(0deg, #ddd, #fff);
        transition: .5s;
  }

  ul li a:hover {
        box-shadow: 0 2px 5px rgba(0,0,0,0.3);
        text-decoration:none;
  }

  ul li a .fab {
        width: 100%;
        height:100%;
        display:block;
        background: linear-gradient(0deg, #fff, #ddd);
        border-radius: 50%;
        line-height: calc(60px - 12px);
```

```
        font-size:24px;
        color: #262626;
        transition: .5s;
}

ul li:nth-child(1) a:hover .fab {
        color: #3b5998;
}

ul li:nth-child(2) a:hover .fab {
        color: #00aced;
}

ul li:nth-child(3) a:hover .fab {
        color: #dd4b39;
}

ul li:nth-child(4) a:hover .fab {
        color: #007bb6;
}

ul li:nth-child(5) a:hover .fab {
        color: #e4405f;
}
.toop{
   position: relative;
   top: 20px;
         left: 75px;
}
.check{
   position: relative;
   top: -8px;
   left: -5px;
}
.para{
   position: relative;
   top: 0px;
         left: -45px;

}
.diag{
         position: relative;

         top:0px;
         margin: 0px;
         padding: 0px;
         left:-10px;
}
.fig1{
         position: relative;
         size:200%;
}
```

```
#png{
        position: relative;
        left: -270px;
        top: -45px;

}
.or{
        position: relative;
        left:180px;
}
.s1{
        position: relative;
        left: 140px;
}
.t{
        position: relative;
        left:-100px ;
        top:10px;
}
```

Deployment.yaml

```
apiVersion: apps/v1

kind: Deployment
metadata:
  name: sakthi-flask-node-deployment
spec:
  replicas: 1
  selector:
    matchLabels:
      app: flasknode
  template:
    metadata:
      labels:
        app: flasknode
    spec:
      containers:
      - name: flasknode
        image: icr.io/sakthi_expense_tracker2/flask-template2
        imagePullPolicy: Always
        ports:
        - containerPort: 5000
```

Sendemail.py

```
import smtplib
import sendgrid as sg
import os
from sendgrid.helpers.mail import Mail, Email, To, Content
SUBJECT = "expense tracker"
```

```
s = smtplib.SMTP('smtp.gmail.com', 587)

def sendmail(TEXT,email):
    print("sorry we cant process your candidature")
    s = smtplib.SMTP('smtp.gmail.com', 587)
    s.starttls()
    # s.login("fawwashkhan@gmail.com", "fawwashkhan")
    s.login("tproduct8080@gmail.com", "lxixbmpnexbkiemh")
    message  = 'Subject: {}\n\n{}'.format(SUBJECT, TEXT)
    # s.sendmail("fawwashkhan@gmail.com", email, message)
    s.sendmail("il.tproduct8080@gmail.com", email, message)
    s.quit()
def sendgridmail(user,TEXT):

    # from_email = Email("fawwashkhan@gmail.com")
    from_email = Email("tproduct8080@gmail.com")
    to_email = To(user)
    subject = "Sending with SendGrid is Fun"
    content = Content("text/plain",TEXT)
    mail = Mail(from_email, to_email, subject, content)
 # Get a JSON-ready representation of the Mail object
    mail_json = mail.get()
    # Send an HTTP POST request to /mail/send
    response = sg.client.mail.send.post(request_body=mail_json)
    print(response.status_code)
    print(response.headers)
```