

# **PERSONAL EXPENSE TRACKER APPLICATION**

## **A PROJECT REPORT**

Submitted by

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# **1.INTRODUCTION**

## **1.1 Project Overview**

Daily Expense Tracker System is designed to keep a track of Income-Expense of an organization on a day-to-day basis. This System divides the Income based on daily expenses. If exceed day's expense, system will calculate income and will provide new daily expense allowed amount. Daily expense tracking System will generate report at the end of month to show Income-Expense graph. And employees send reports to the manager for verification. Manager send final reports to administrator. Based on the final reports system predict the next month expense. It will help to manage over all expense and income. Businesses utilize expense management software to process, pay, and audit employee-initiated expenses. The software includes capabilities for employees to input expenses for approval through a form. Expense management software simplifies and automates a business' expense entry, eliminates paper trail, and reduces administrative effort. Expense management software allows administrators to have full visibility of and track employee use of business financial resources. Expense management software analyzes overall expenses, identifies cost-saving opportunities, and controls excessive spending. "Expense Tracker" is developed to manage the daily expenses in a more efficient and manageable way. By using this application. we can reduce the manual calculations of the daily expenses and keep track of the expenditure.

In this application, user can provide his income to calculate his total expenses per day and these results will be stored for each user. The application has the provision to predict the income and expense for the manager using data mining. Budgeting systematically and Expense Tracking takes a crucial role in managing the expenses of business organizations. Expense tracking (for managing the employee developed expenses) will bring in several advantages for an organization. That are helpful for the stake-holders in processes of expense. The expense tracker will help any organization to deal with all their expenses more efficiently. By using software for managing expense tracking will help to control unnecessary expenses. There are several benefits and advantages of using online expense trackers, expense tracking makes any organization run faster and smoother.

## **1.2 Purpose**

The purpose of the personal expense tracker application is, to make a better budget, improving financial control, identify and eliminate wasteful spending habits and reducing financial stress and the purpose is it helps to understand the financial progress, helps to avoid overspending and previous expenses can be viewed and the purpose is to help to track personal expenses of income, encourages and increases savings and it allows to record various daily expenses. The purpose is to say and do is to avoids record expenses with pen and paper, identify ways to cut expenses and save money and keep an accurate record of your money inflow and outflow.

Personal expense tracker application helps to easily calculate the expense's calculation. This application categorizes and organize the various types of expenses. Personal expense application helps to make better budget plan. Identify and cut the unwanted expenses and save money. Record various category of expenses to make better budget.

## **2.LITERATURE SURVEY**

### **2.1 Existing Problem**

The Expense tracker existing system does not provide the user portable device management level, existing system only used on desktop software so unable to update anywhere expenses done and unable to update the location of the expense details disruptive that the proposed system provides [6]. In existing, we need to maintain the Excel sheets, CSV files for the user daily, weekly and monthly expenses. In existing, there is no as such complete solution to keep a track of its daily expenses easily. To do so a person as to keep a log in a diary or in a computer system, also all the calculations need to be done by the user which may sometimes results in mistakes leading to losses. The existing system is not user friendly because data is not maintained perfectly. But this project will not have any reminder to remain a person in a specific date, so that is the only drawback in which the remainder is not present. This project will be an unpopulated information because it has some disadvantages by not remind a person for each and every month. But it can used to perform calculation on income and expenses to

overcome this problem we propose the new project.

## 2.2 References

- [1] [https://ijirt.org/master/publishedpaper/IJIRT150860\\_PAPER.pdf](https://ijirt.org/master/publishedpaper/IJIRT150860_PAPER.pdf)
- [2] <https://digitallibrary.sdsu.edu/islandora/object/sdsu%3A3676/datastream/OBJ/view>
- [3] <https://www.studocu.com/in/document/dr-apj-abdul-kalam-technical-university/btech/mini-project-report/29935835>
- [4] <http://expense-manager.com/how-expense software/>
- [5] <https://www.splitwise.com/terms>
- [6] <http://code.google.com/p/socialauthandroid/wiki/Facebook>
- [7] <http://code.google.com/p/socialauth-android>
- [8] <https://www.xpenditure.com/en?>
- [9] <http://expense-manager.com/how-expense software />
- [11] Donn Felker, “Android Application Development for Dummies”, published by For Dummies, 2010.
- [12] Ed Burnette, “Hello, Android: Introducing Google's Mobile Development Platform”, published by Pragmatic Bookshelf, 2009.
- [13] Lee, “Beginning Android Application Development”, Published by Worx Press, 2011.

## 2.3 Problem Statement Definition

Previously, entering details about daily expenses is excel and notebook was so difficult.

Personal expense tracker application helps to track the daily expenses. This application not only help to track the expenses but also helps to make better budget and encourage to save the money.

<b>I am</b>	Describe customer with 3-4 key characteristics - who are they?	Describe the customer and their attributes here
<b>I'm trying to</b>	List their outcome or "job" the care about - what are they trying to achieve?	List the thing they are trying to achieve here
<b>but</b>	Describe what problems or barriers stand in the way - what bothers them most?	Describe the problems or barriers that get in the way here
<b>because</b>	Enter the "root cause" of why the problem or barrier exists - what needs to be solved?	Describe the reason the problems or barriers exist
<b>which makes me feel</b>	Describe the emotions from the customer's point of view - how does it impact them emotionally?	Describe the emotions the result from experiencing the problems or barriers

Reference: [https://miro.com/app/board/uXjVPUMPSVs=](https://miro.com/app/board/uXjVPUMPSVs=/)

I am	I'm trying to	But	Because	Which makes me feel
a Student	track the daily personal expense on my phone	unable to make budget with the expenses record	there is no option to make plan for budget	frustrated

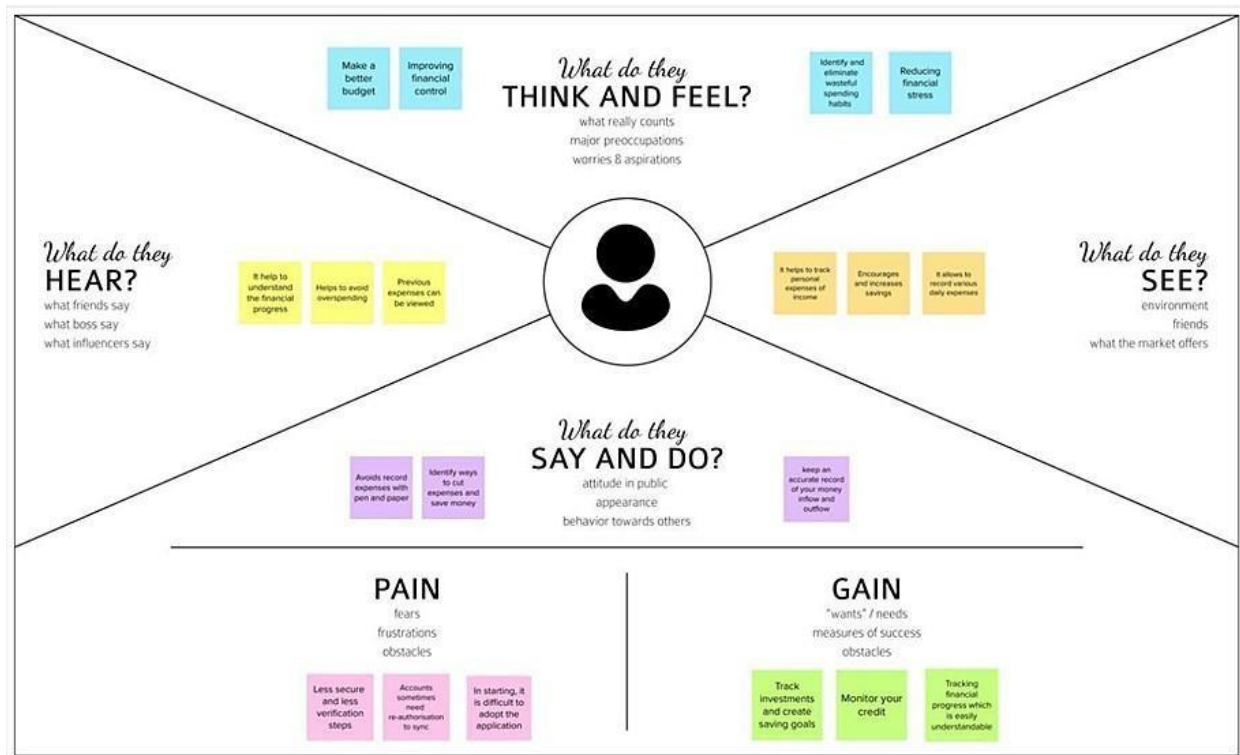
Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	a traveler	Track my travelling expenses	Can't categorize the various type of expenses	There is no option for categorize the various type of expenses	uneasy
PS-2	A entrepreneur	manage my firm's expenses	Can't organize the various expenses	There is no option for organize the various expenses	uncomfortable

### 3.IDEATION & PROPOSED SYSTEM

#### 3.1 Empathy Map Canvas

An empathy map is a simple, easy-to-digest visual that captures knowledge about a user's behaviors and attitudes. It is a useful tool to helps teams better understand their users. Creating an effective solution requires understanding the true problem and the person who is experiencing it.

The exercise of creating the map helps participants consider things from the user's perspective along with his or her goals and challenges.





### **3.2 Ideation & Brainstorming**

Brainstorming provides a free and open environment that encourages everyone within a team to participate in the creative thinking process that leads to problem solving. Prioritizing volume over value, out-of-the-box ideas are welcome and built upon, and all participants are encouraged to collaborate, helping each other develop a rich number of creative solutions.

Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.

## Step-1: Team Gathering, Collaboration and Select the Problem Statement



### Brainstorm & idea prioritization

Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.

- 🕒 10 minutes to prepare
- 🕒 1 hour to collaborate
- 👤 2-8 people recommended



#### Before you collaborate

A little bit of preparation goes a long way with this session. Here's what you need to do to get going.

🕒 10 minutes



#### Team gathering

Define who should participate in the session and send an invite. Share relevant information or pre-work ahead.



#### Set the goal

Think about the problem you'll be focusing on solving in the brainstorming session.



#### Learn how to use the facilitation tools

Use the Facilitation Superpowers to run a happy and productive session.

[Open article](#) →



#### Define your problem statement

What problem are you trying to solve? Frame your problem as a How Might We statement. This will be the focus of your brainstorm.

🕒 5 minutes

How to track personal expenses using mobile or web application with authority and reduce expenses and save money

PROBLEM

How might we [your problem statement]?



#### Key rules of brainstorming

To run a smooth and productive session

- 🗣️ Stay in topic.
- 💡 Encourage wild ideas.
- 🙊 Defer judgment.
- 👂 Listen to others.
- 🗣️ Go for volume.
- 👁️ If possible, be visual.

# Step-2: Brainstorm, Idea Listing and Grouping

2

## Brainstorm

Write down any ideas that come to mind that address your problem statement.

10 minutes

TIP

You can select a sticky note and hit the pencil icon to switch to sketch mode to start drawing!

Pasaruhevi S



Saraswathi M



Mohamed Yasar A



Subasi M



3

## Group Ideas

Take turns sharing your ideas while clustering similar or related notes as you go. In the last 10 minutes, give each cluster a sentence-like label. If a cluster is bigger than six sticky notes, try and see if you can break it up into smaller sub-groups.

20 minutes

### Avoid unwanted spending



### Track and record



### Bank account



### Budget



### Prevention



TIP

Add customizable tags to sticky notes to make it easier to find, remove, organize, and compare important ideas as themes within your mind.

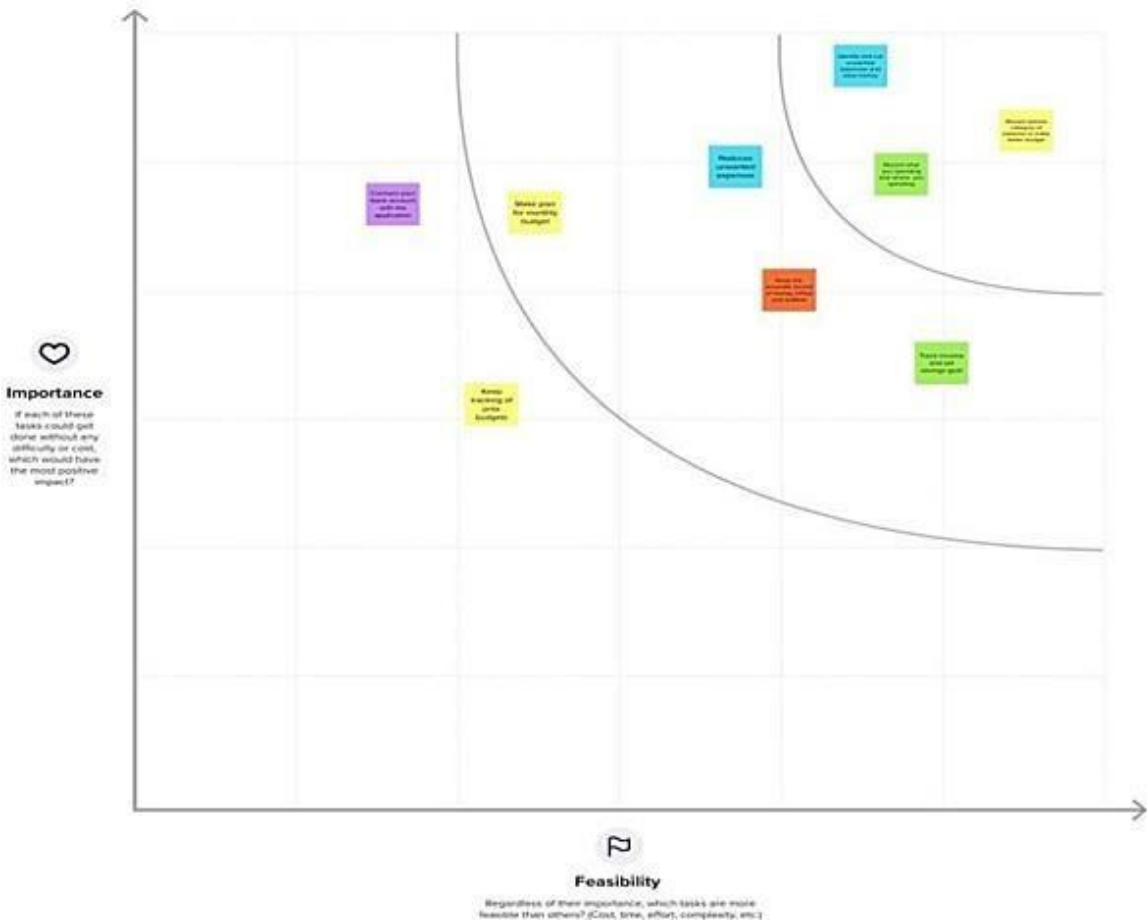
# Step-3: Idea Prioritization

4

**Prioritize**

Your team should all be on the same page about what's important moving forward. Place your ideas on this grid to determine which ideas are important and which are feasible.

⌚ 20 minutes





### 3.3 Proposed Solution

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Previously , entering details about daily expenses in excel and notebook was so difficult.Personal expense tracker application helps to track the daily expenses. This application not only help to track the expenses but also helps to make better budget and encourage to save the money.
2.	Idea / Solution description	Personal expense tracker application helps to easily calculate the expense's calculation. This application categorizes and organize the various types of expenses. Personal expense application helps to make better budget plan. Identify and cut the unwanted expenses and save money. Record various category of expenses to make better budget.
3.	Novelty / Uniqueness	No use of pen and paper. This application organizes the various different types of expenses.
4.	Social Impact / Customer Satisfaction	Reduces time for expenses calculation. This application tracks the daily and monthly expenses and avoid overspending.
5.	Business Model (Revenue Model)	This application provides budgeting tools, credit monitoring, receipt keeping, and advice to grow your net worth.
6.	Scalability of the Solution	This application provides great experience for customers.IBM Cloud will automatically allocate storage for upcoming users.

## 3.4 Problem Solution Fit

Project Title: Personal Expense Tracker Application		Project Design Phase-I - Solution Fit Template		Team ID: PNT2022TMID32929	
Define CS, fit into CC	<b>1. CUSTOMER SEGMENT(S)</b> <small>Who is your customer? i.e.: working parents of 0-5 y.o. kids</small> Working people, Students, Home maker , Common people, Entrepreneur, Traveller.	<b>6. CUSTOMER CONSTRAINTS</b> <small>What constraints prevent your customers from taking action or limit their choices of solutions? i.e.: spending power, budget, no cash, network connection, available devices.</small> 1. Users need smart phone for this application. 2. Users will not able to spend beyond their income amount and budget.	<b>5. AVAILABLE SOLUTIONS</b> <small>Which solutions are available to the customers when they face the problem or need to get the job done? What have they tried in the past? What price &amp; costs do those solutions have? i.e.: pen and paper is an alternative to digital note taking</small> This application organize and categorize the various types of expenses. This application make plan for monthly budget and encourage to save money.	Explore AS, differentiate	
	<b>2. JOBS-TO-BE-DONE / PROBLEMS</b> <small>Which jobs-to-be-done (or problems) do you address for your customer? There could be more than one; explore different sides.</small> People face many problems while track the daily expenses 1.This application avoid the record of expenses with note. 2.It is difficult to make budget manually.This application helps to make better budget and avoid overspending.	<b>9. PROBLEM ROOT CAUSE</b> <small>What is the real reason that this problem exists? What is the back story behind the need to do this job? i.e.: customers have to do it because of the change in regulations.</small> It is challenging for people to track daily expenses Make the monthly budget and identify the unwanted expenses	<b>7. BEHAVIOUR</b> <small>What does your customer do to address the problem and get the job done? i.e., directly related: find the right solar panel installer, calculate usage and benefits; indirectly associated: customers spend five time on volunteering work (i.e. Greenpeace)</small> Track daily expenses and make plan for monthly budget. Identify and cut the unwanted spending Track income and set savings goal.	Focus on J&P, map into B.E., understand RC	
Identify strong TR & EM	<b>3. TRIGGERS</b> <small>What triggers customers to act? i.e.: seeing their neighbour installing solar panels, reading about a more efficient solution in the news.</small> Make a efficient budget manually and save the money is a major problem among people. Unnecessary expenses should be avoid. This application helps to make these process easy.	<b>10. YOUR SOLUTION</b> <small>If you are working on an existing business, write about your current solution first, fit it to the canvas, and check how much it fits reality. If you are working on a new business proposition, then keep it blank until you fit it to the canvas and come up with a solution that fits within customer limitations, solves a problem and matches customer behaviour.</small> Users can able to add their income amount as balance in this application. They can set the limit of amount to spend so that they can avoid unnecessary spending. If they are exceeding the amount in the balance or the limit amount then the user will be notified through email.	<b>8. CHANNELS of BEHAVIOUR</b> <b>8.1 ONLINE</b> <small>What kind of actions do customers take online? Extract online channels from #7</small> This application get income amount from users. Users set the budget and saving goal amount. This application provide graph for expense so users can identify unwanted expenses. <b>8.2 OFFLINE</b> <small>What kind of actions do customers take offline? Extract offline channels from #7 and use them for customer development.</small> Record the daily expenses by pen in notebook and make plan for monthly budget manually. This application helps to track expenses easily.	Extract online & offline CH of BE	
	<b>4. EMOTIONS: BEFORE / AFTER</b> <small>How do customers feel when they face a problem or a job and afterwards? i.e.: lost, insecure - confident, in control - use it to your communication strategy &amp; design</small> Before: Tension, Confusion, Stress. After: Confident on Spending money, Clear.				


 Problem Solution fit canvas is licensed under a Creative Commons Attribution-NonCommercial-NoDerivatives 4.0 license  
 Created by Darío Neprukhina / Amaltama.com



## 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	Registration through G-mail
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Login	Login through enter the username or email and Password
FR-4	User Balance	Allow user to enter the limit of their amount to spend or income amount
FR-5	User daily expenses data	Allow user to enter their daily expense
FR-6	Category of expenses	Categorize the various type of expenses
FR-7	Update the bills and receipt	Allow user to upload their bills and receipt of their expenses
FR-8	Alert/Notification	Alert the user through email or SMS when they exceed the limit of their amount to spend

## 4.2 Non-Functional requirements

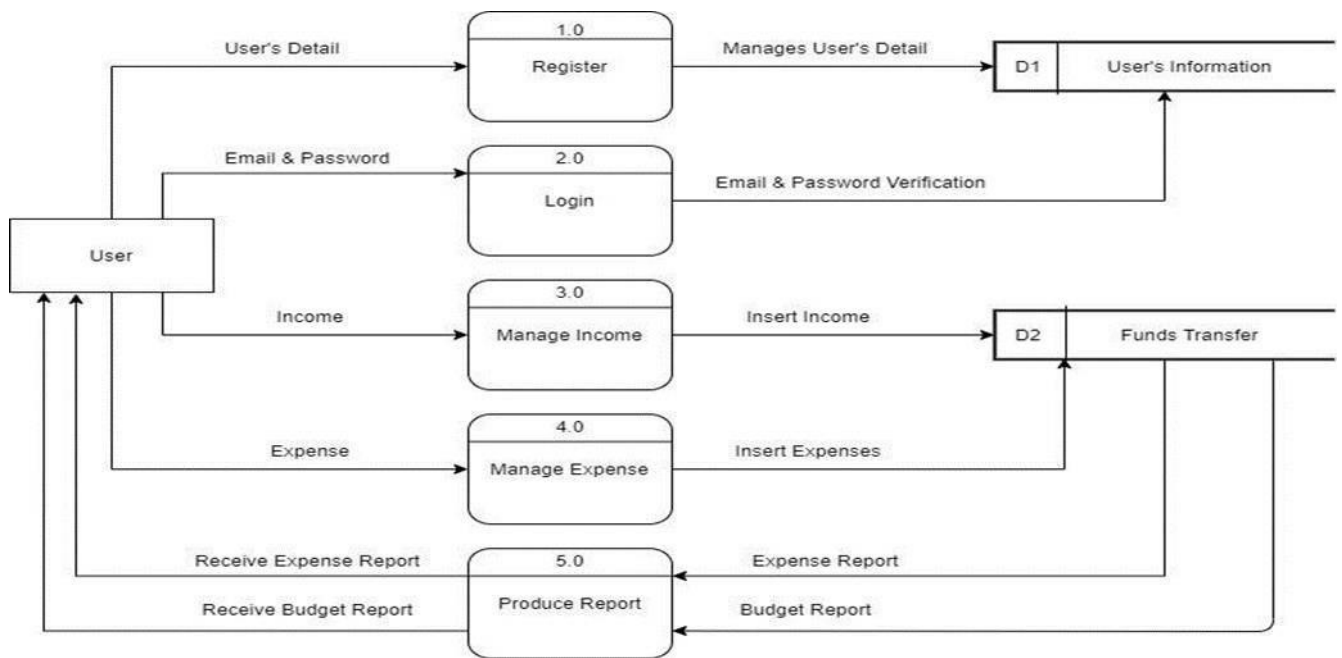
Following are the non-functional requirements of the proposed solution

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	Helps to track the daily expenses in easy and understandable way.
NFR-2	<b>Security</b>	User information such as login information and expense data are secured.
NFR-3	<b>Reliability</b>	User can view their previous day or monthly expenses. These data are stored in the application.
NFR-4	<b>Performance</b>	Responsive to the customer, fast response to the customer, retrieval of information is fast and more secure.
NFR-5	<b>Availability</b>	Application will be available to the user for 24/7, if the user has internet access and mobile or PC.
NFR-6	<b>Scalability</b>	As this is a Cloud based application, the probability of handling the increasing demand and number of users is high.

## 5. PROJECT DESIGN

### 5.1 Data Flow Diagrams

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

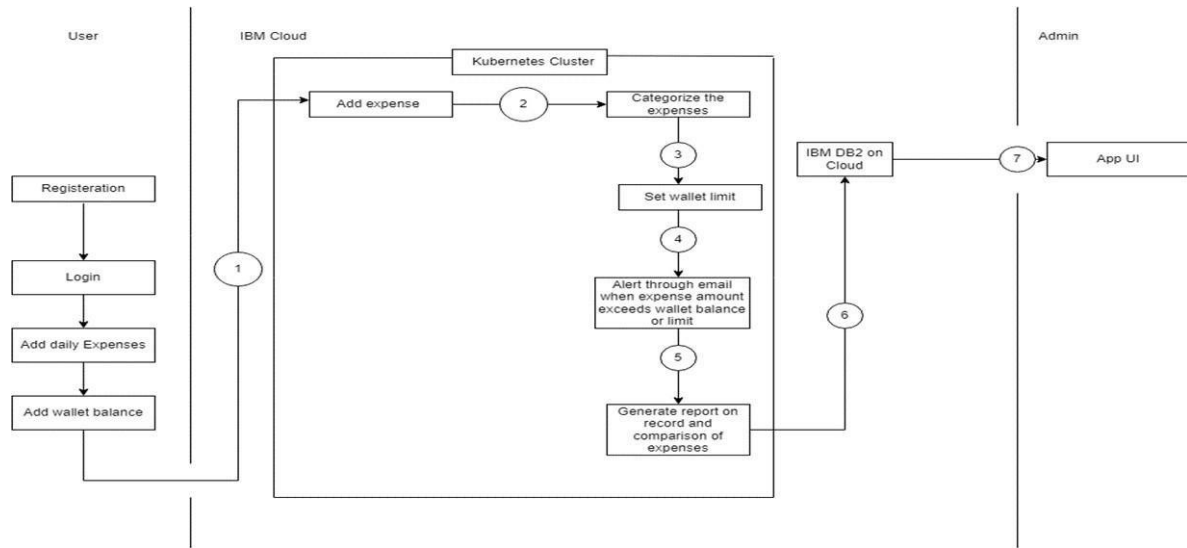


### 5.2 Solution & Technical Architecture

The Deliverable shall include the architectural diagram as below and the information as Per the table1 & table 2.



# Personal Expense Tracker Application



## 1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	User interacts with application through. Web UI, Mobile App.	HTML, CSS, Python
2.	Registration and Login	To access the application through email	Python, Docker
3.	Wallet Dashboard	Allow user to enter wallet limit amount and wallet balance	Python
4.	Tracking of Expenses.	IBM Container Registry enables to store and distribute Docker images in a managed, private registry	IBM Cloud Container Registry
5.	Report	The user will get the expense report in the graph form and also get alerts if the expense limit exceeds	IBM Watson Assistant, SendGrid
6.	Database	The Income and Expense data of user are stored in the MySQL database	MySQL
7.	Cloud Database	With use of Database Service on Cloud, the User data are stored in a well secured Manner	IBM DB2.



	Login	USN-5	As a user, I can log into the application by entering email & password	I can see my daily expenses.	High	Sprint-2
	Dashboard	USN-6	As a user, I can enter the expenditure limit	I can see the alert as it exceeds to the budget.	Medium	Sprint-3
Customer (Webuser)		USN-7	As a customer, I can calculate the overall expenses.	I can reduce the daily expenses.	High	Sprint-3
Customer Care Executive		USN-8	As a customer care executive, I can solve the log-in and other application issues.	I can provide services as anywhere at anytime.	Low	Sprint-4
Administrator	Application	USN-9	As an administrator, I can maintain the databases and upgrade the applications.	I can degrade the errors while using this application.	Low	Sprint-3

## 6. PROJECT PLANNING & SCHEDULING

### 6.1 Sprint Planning & Estimation

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	Balaji S, Kiran, Hari Haran, Hemanath
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered	1	High	Hari Haran

			for the application			
Sprint-1		USN-3	As a user, I can register for the application through Facebook	2	Low	Hemanath
Sprint-1		USN-4	As a user, I can register for the application through Gmail	2	Medium	kiran
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	Hari Haran
Sprint-2	Dashboard	USN-6	Logging in takes the user to their dashboard.	2	High	kiran
Sprint-2		USN-7	As a user, I will update my balance amount or income at the start of each month.	2	Medium	Balaji S
Sprint-2		USN-8	As a user, I will set a limit of the amount to spend.	2	Medium	hemanath
Sprint-3	Database	USN-9	As a user, I can view the track of my expenses	4	High	Balaji S, Kiran, Hari Haran, Hemanath

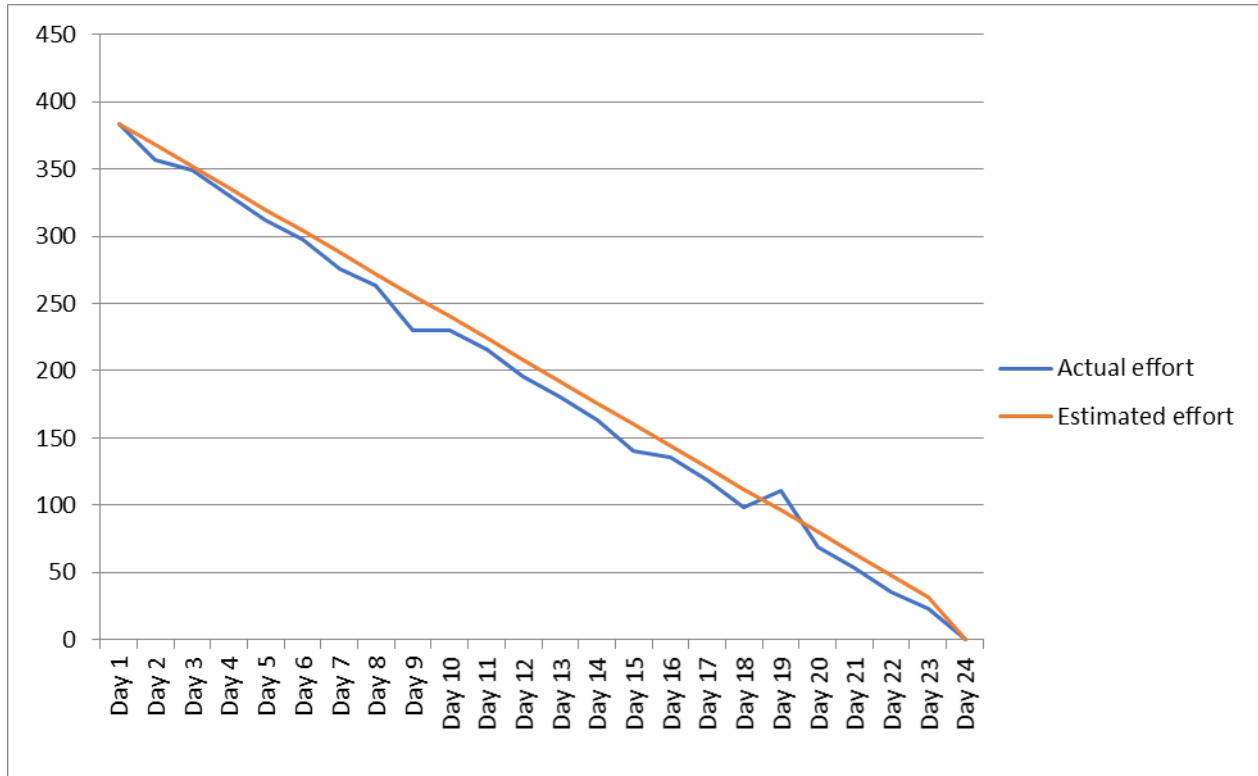
Sprint-4	Deployment	USN-10	Container of applications using docker kubernetes and deployment the application.	4	High	Balaji S, Kiran, Hari Haran, Hemanath
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## 6.2 Sprint Delivery Schedule

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	8	6 Days	24 Oct 2022	29 Oct 2022	8	29 Oct 2022
Sprint-2	6	6 Days	31 Oct 2022	05 Nov 2022	6	05 Nov 2022
Sprint-3	4	6 Days	07 Nov 2022	12 Nov 2022	4	12 Nov 2022
Sprint-4	4	6 Days	14 Nov 2022	19 Nov 2022	4	19 Nov 2022

## 6.3 Reports from JIRA

### Burndown chart



## 7. CODING & SOLUTIONING

### 7.1 Feature 1

Feature 1: Add Expense

Add expense in the application. Record the track of expense

#### CODE:

##### add.html

```
<html>
```

```
<body>
```

```
<div class="container">
```

```
<div class="row">

  <div class="col-md-6">

    <h3>Add Expense</h3>

    <form action="/addexpense" method="POST">

      <div class="form-group">

        <label for="">Date</label>

        <input class="form-control" type="datetime-local" name="date"
id="date"></div>

        <div class="form-group"> <label for="">Expense name</label>

        <input class="form-control" type="text" name="expensename"
id="expensename">

        </div>

        <div class="form-group">

          <label for="">Expense Amount</label>

          <input class="form-control" type="number" min="0"
name="amount" id="amount">

          </div>

        <div class="form-group">

          <label for=""></label>

          <select class="form-control" name="paymode" id="paymode">

            <option selected hidden>Pay-Mode</option>

            <option name="cash" value="cash">cash</option>

            <option name="debitcard" value="debitcard">debitcard</option>

            <option name="creditcard" value="creditcard">creditcard</option>
```

```
        <option name="epayment" value="epayment">epayment</option>
        <option name="onlinebanking"
value="onlinebanking">onlinebanking</option>
    </select>
    <div class="form-group">
    <label for=""></label>
    <select class="form-control" name="category" id="category">
        <option selected hidden>Category</option>
        <option name = "food" value="food">food</option>
        <option name = "entertainment"
value="entertainment">Entertainment</option>
        <option name = "business" value="business">Business</option>
        <option name = "rent" value="rent">Rent</option>
        <option name = "EMI" value="EMI">EMI</option>
        <option name = "other" value="other">other</option>
    </select>
    </div>
    <input class="btn btn-danger" type="submit" value="Add" id="">
</form>
<div style="position: relative; left: 500px; top: -200px;" class="image">
    
    </div>
</div>
</div>
```





```
<body>
```

```
<p> Currently your MONTHLY limit is ₹ {{y}} </p>
```

```
<form action="/limitnum" method="POST">
```

```
    <p> ENTER the MONTHLY LIMIT to avoid over EXPENSES</p> <br/>
```

```
    <input type="number" name="number" required/> <span>
```

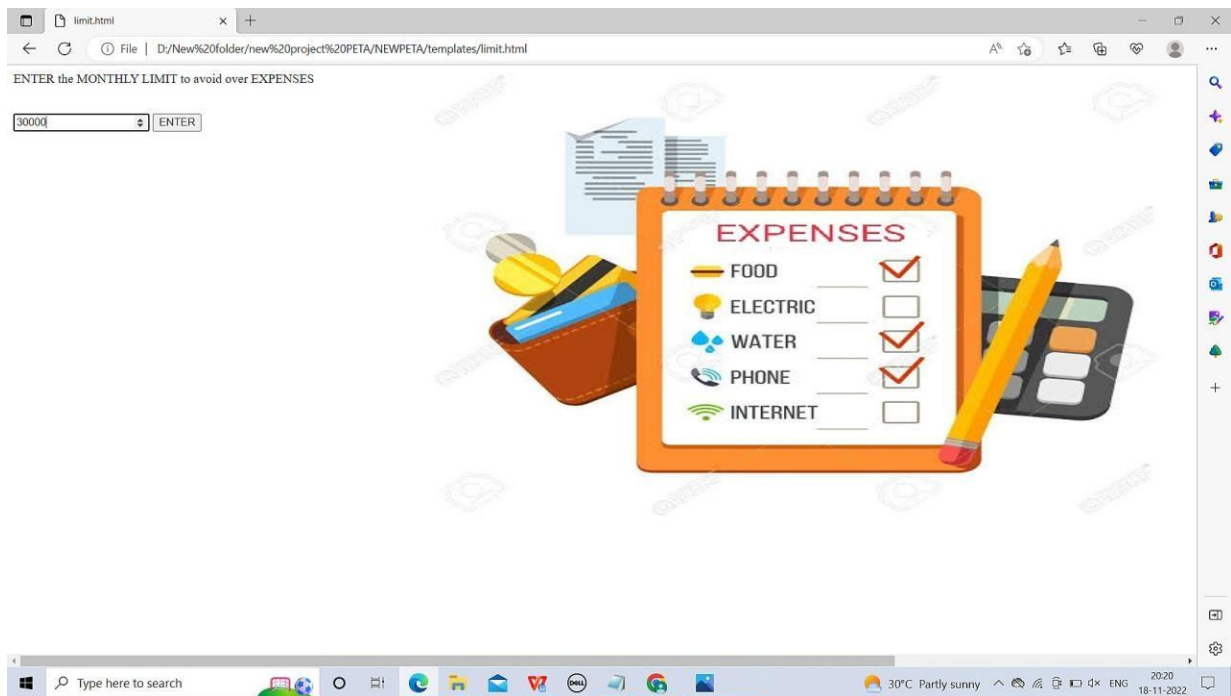
```
        <button class="btn btn-warning" type="submit">ENTER</button>
```

```
    </span>
```

```
</form>
```

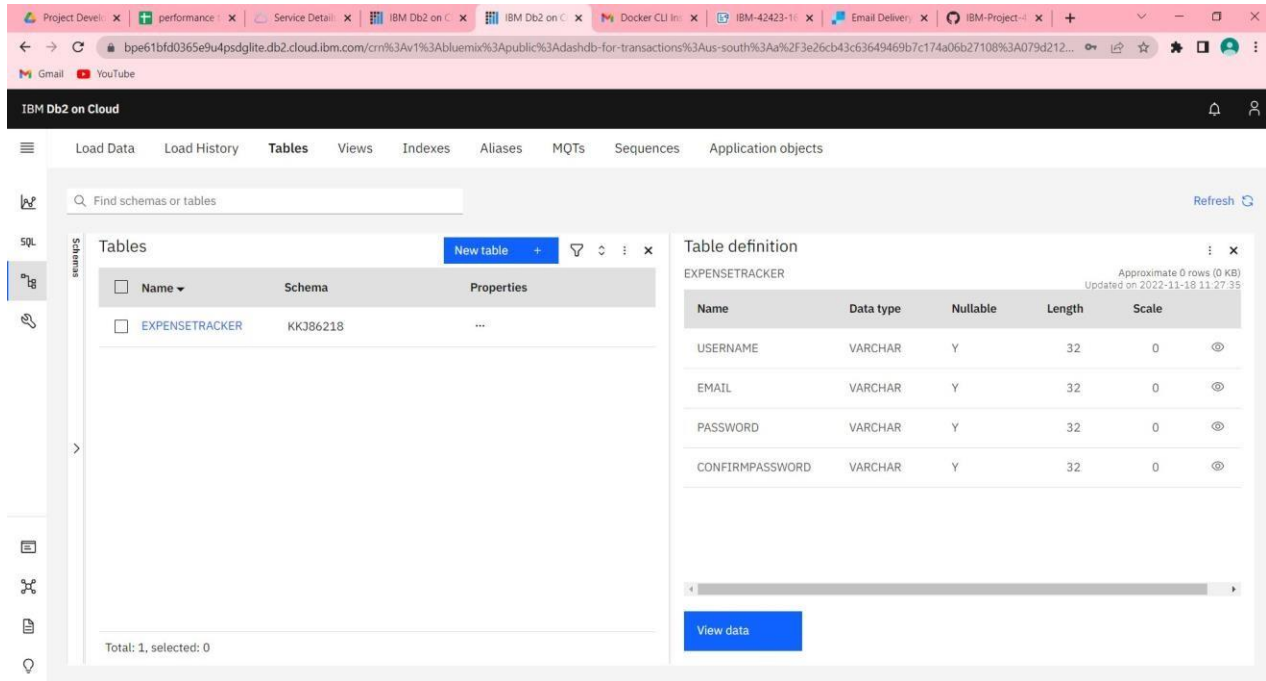
```
</body>
```

```
</html>
```



## 7.3 Database Schema

Database:ibm\_DB\_2



**Codes:**

**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;
}
```



```
margin-top: 30px;

transition: 0.3s ease;

transition-property: background-color, color;
}

.cta:hover {

    color: white;

    background-color: crimson;
}

.brand h1 {

    font-size: 3rem;

    text-transform: uppercase;

    color: white;
}

.brand h1 span {

    color: crimson;
}

/* 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: crimson;
}

#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/hero-bg.png);
    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: crimson;
        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/img-1.png');
    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 crimson;
    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: crimson;  
        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 */
```



```
        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 crimson;
}

#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**

```
@import
url('https://fonts.googleapis.com/css2?family=Noto+Sans:wght@700&family=Pop
pins:wght@400;500;600&display=swap');

*{

  margin: 0;

  padding: 0;

  box-sizing: border-box;

  font-family: "Poppins", sans-serif;

}

body{

  margin: 0;

  padding: 0;

  background: linear-gradient(120deg,#2980b9, #8e44ad);

  height: 100vh;

  overflow: hidden;

}

.center{

  position: absolute;

  top: 50%;

  left: 50%;

  transform: translate(-50%, -50%);

  width: 400px;
```

```
background: white;
border-radius: 10px;
box-shadow: 10px 10px 15px rgba(0,0,0,0.05);
}

.center h1{
text-align: center;
padding: 20px 0;
border-bottom: 1px solid silver;
}

.center form{
padding: 0 40px;
box-sizing: border-box;
}

form .txt_field{
position: relative;
border-bottom: 2px solid #adadad;
margin: 30px 0;
}

.txt_field input{
width: 100%;
padding: 0 5px;
height: 40px;
font-size: 16px;
border: none;
```

```
background: none;
outline: none;
}
.txt_field label{
position: absolute;
top: 50%;
left: 5px;
color: #adadad;
transform: translateY(-50%);
font-size: 16px;
pointer-events: none;
transition: .5s;
}
.txt_field span::before{
content: "";
position: absolute;
top: 40px;
left: 0;
width: 0%;
height: 2px;
background: #2691d9;
transition: .5s;
}
.txt_field input:focus ~ label,
```

```
.txt_field input:valid ~ label{
    top: -5px;
    color: #2691d9;
}

.txt_field input:focus ~ span::before,
.txt_field input:valid ~ span::before{
    width: 100%;
}

.pass{
    margin: -5px 0 20px 5px;
    color: #a6a6a6;
    cursor: pointer;
}

.pass:hover{
    text-decoration: underline;
}

input[type="submit"]{
    width: 100%;
    height: 50px;
    border: 1px solid;
    background: #2691d9;
    border-radius: 25px;
    font-size: 18px;
    color: #e9f4fb;
```

```
font-weight: 700;
cursor: pointer;
outline: none;
}
input[type="submit"]:hover{
border-color: #2691d9;
transition: .5s;
}
.signup_link{
margin: 30px 0;
text-align: center;
font-size: 16px;
color: #666666;
}
.signup_link a{
color: #2691d9;
text-decoration: none;
}
.signup_link a:hover{
text-decoration: underline;
}
```

### **registration.css**

```
@import
url('https://fonts.googleapis.com/css2?family=Noto+Sans:wght@700&family=Pop
```

```
pins:wght@400;500;600&display=swap');
*{
  margin: 0;
  padding: 0;
  box-sizing: border-box;
  font-family: "Poppins", sans-serif;
}
body{
  margin: 0;
  padding: 0;
  background: linear-gradient(120deg,#2980b9, #8e44ad);
  height: 100vh;
  overflow: hidden;
}
.center{
  position: absolute;
  top: 50%;
  left: 50%;
  transform: translate(-50%, -50%);
  width: 400px;
  background: white;
  border-radius: 10px;
  box-shadow: 10px 10px 15px rgba(0,0,0,0.05);
}
```

```
.center h1{
    text-align: center;
    padding: 20px 0;
    border-bottom: 1px solid silver;
}

.center form{
    padding: 0 40px;
    box-sizing: border-box;
}

form .txt_field{
    position: relative;
    border-bottom: 2px solid #adadad;
    margin: 30px 0;
}

.txt_field input{
    width: 100%;
    padding: 0 5px;
    height: 40px;
    font-size: 16px;
    border: none;
    background: none;
    outline: none;
}

.txt_field label{
```

```
position: absolute;
top: 50%;
left: 5px;
color: #adadad;
transform: translateY(-50%);
font-size: 16px;
pointer-events: none;
transition: .5s;
}

.txt_field span::before{
  content: "";
  position: absolute;
  top: 40px;
  left: 0;
  width: 0%;
  height: 2px;
  background: #2691d9;
  transition: .5s;
}

.txt_field input:focus ~ label,
.txt_field input:valid ~ label{
  top: -5px;
  color: #2691d9;
}
```



```
.txt_field input:focus ~ span::before,  
.txt_field input:valid ~ span::before{  
    width: 100%;  
}  
  
.pass{  
    margin: -5px 0 20px 5px;  
    color: #a6a6a6;  
    cursor: pointer;  
}  
  
.pass:hover{  
    text-decoration: underline;  
}  
  
input[type="submit"]{  
    width: 100%;  
    height: 50px;  
    border: 1px solid;  
    background: #2691d9;  
    border-radius: 25px;  
    font-size: 18px;  
    color: #e9f4fb;  
    font-weight: 700;  
    cursor: pointer;  
    outline: none;  
}
```

```
input[type="submit"]:hover{
```

border-color: #2691d9;

transition: .5s;

$$\}$$

```
.login_link{
```

```
margin: 30px 0;
```

```
text-align: center;
```

```
font-size: 16px;
```

```
color: #666666;
```

}

```
.login_link a{
```

```
color: #2691d9;
```

```
text-decoration: none;
```

$$\}$$

```
.login_link a:hover{
```

```
text-decoration: underline;
```

}

dashboard.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: crimson;
}

.cta {

    display: inline-block;

    padding: 10px 30px;

    color: white;

    background-color: transparent;

    border: 2px solid crimson;
}

```

```
    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: crimson;
}
```

```
.brand h1 {
    font-size: 3rem;
    text-transform: uppercase;
    color: white;
}
```

```
.brand h1 span {
    color: crimson;
}
```

```
/* 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: crimson;  
}
```

```
#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/hero-bg.png);
    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: crimson;
    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 */

/* 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;
```



```
        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: crimson;  
        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 crimson;  
}  
  
#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.js

```

const inputs = document.querySelectorAll(".input");

function addcl(){
    let parent = this.parentNode.parentNode;
    parent.classList.add("focus");
}

```



```

function remcl(){
    let parent = this.parentNode.parentNode;
    if(this.value == ""){
        parent.classList.remove("focus");
    }
}

```

```

inputs.forEach(input => {
    input.addEventListener("focus", addcl);
    input.addEventListener("blur", remcl);
});

```

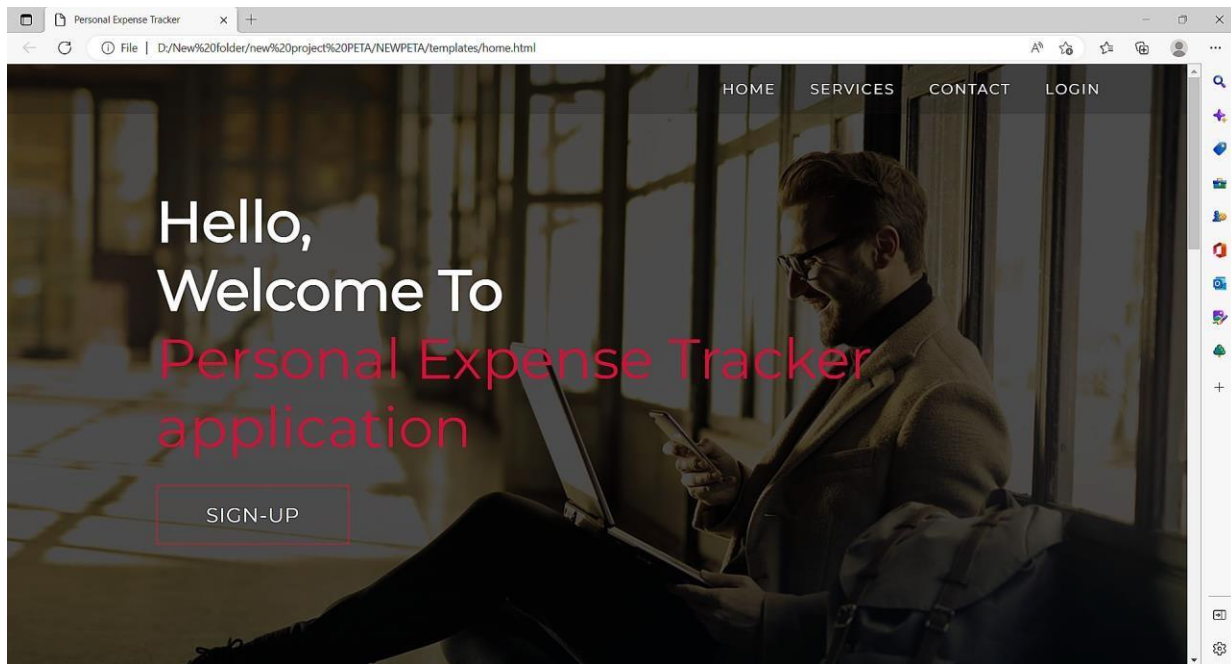
## 8. TESTING

### 8.1 Test Cases

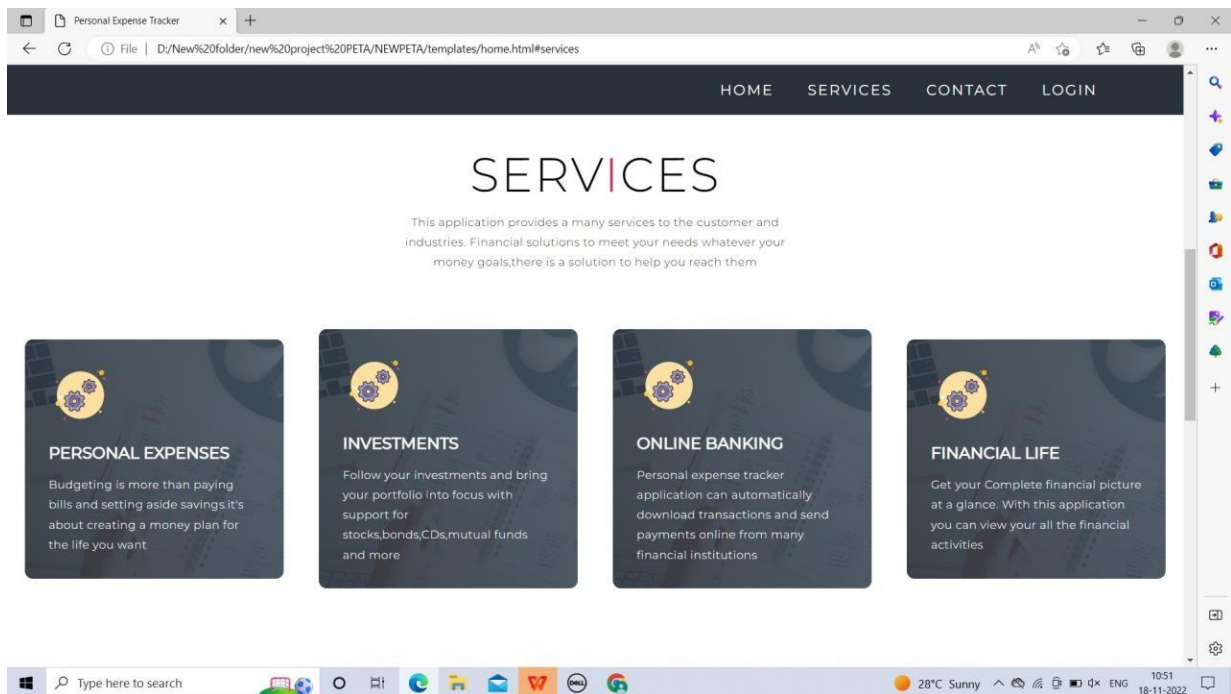
- Login Page (Functional)
- Login Page (UI)
- Add Expense Page (Functional)

				Date	03-Nov-22			
				Team ID	PNT2022TMD32929			
				Project Name	Project - Personal Expense Tracker			
				Maximum Marks	4 marks			
Test case ID	Feature Type	Component	Test Scenario	Pre-Requisite	Steps To Execute	Test Data	Expected Result	Actual
HomePage_TC_001	Functional	Home Page	Verify user is able to see the Login/Signup popup when user clicked on login/signup	HTML,CSS,PYTHON,FLASK	1.Enter URL and click go 2.Click on My Account dropdown button 3.Verify login/Signup popup displayed or not	<a href="file:///D:/New%20folder/new%20project%20PETA/NEWPETA/templates/home.html">file:///D:/New%20folder/new%20project%20PETA/NEWPETA/templates/home.html</a>	Login/Signup popup should display	Wor exp
LoginPage_TC_002	UI	login Page	Verify the UI elements in Login/Signup popup	HTML,CSS,JS,PYTHON,FLASK	1.Enter URL and click go 2.Click on My Account dropdown button 3.Verify login/Signup popup with below UI elements: a.email text box b.password text box c.Login button d.Last password? Recovery password link	<a href="file:///D:/New%20folder/new%20project%20PETA/NEWPETA/templates/login.html">file:///D:/New%20folder/new%20project%20PETA/NEWPETA/templates/login.html</a>	Application should show below UI elements: a.email text box b.password text box c.Login button d.Last password? Recovery password link	Wor exp
Login Page_TC_003	UI	login Page	Verify the UI elements in login popup	HTML,CSS,JS,PYTHON,FLASK	1.Enter URL and click go 2.Click on My Account dropdown button 3.Enter Valid username/email in Email text box 4.Enter valid password in password text box 5. Click on signup button	Username: chalam@gmail.com password: Testing123	User should navigate to user account homepage	Wor exp

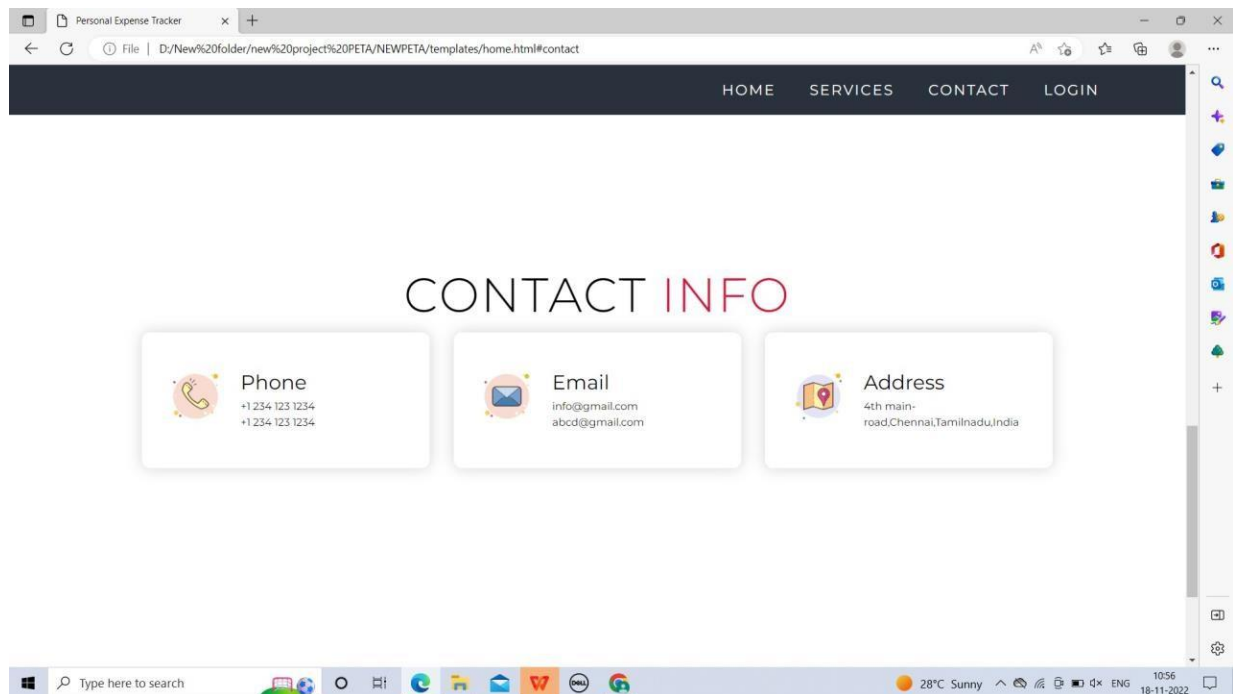
## Home



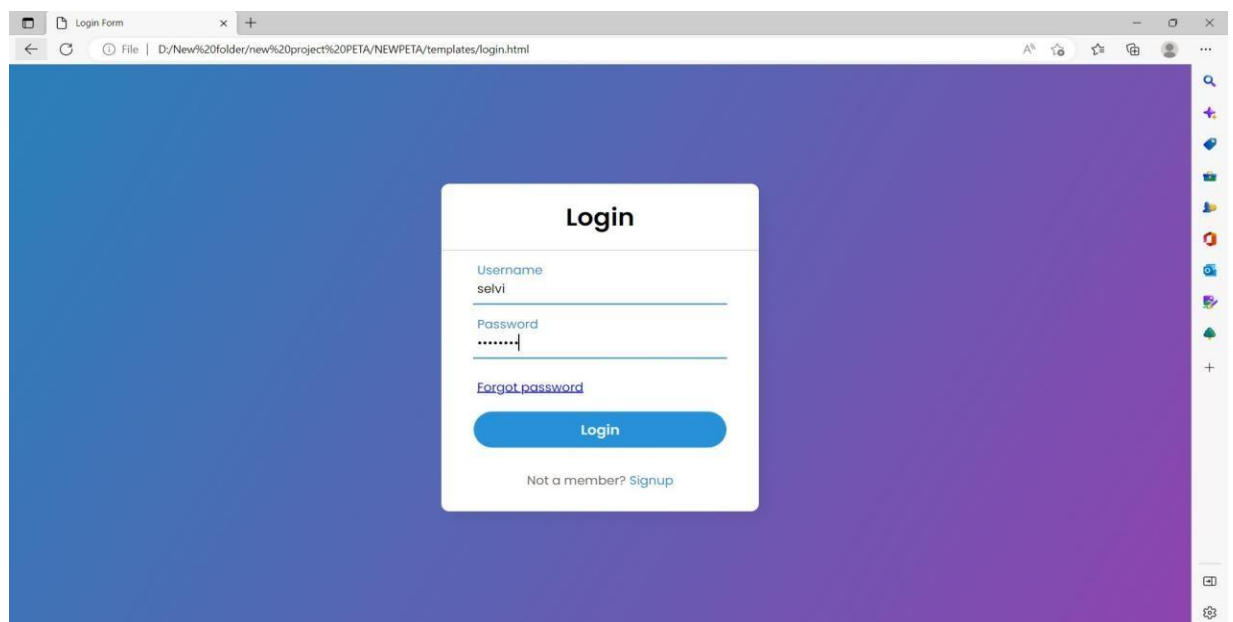
## Home-Services



## Home-Contacts



## Login



## Registration

Registration Form

File | D:/New%20folder/new%20project%20PETA/NEWPETA/templates/registration.html

### Registration

Username  
selvi

Email  
selvi@gmail.com

Password  
\*\*\*\*\*

Confirm Password  
\*\*\*\*\*

Register

Already a member? [Login](#)

Type here to search

23°C Partly cloudy 10:50 18-11-2022

## Dashboard

Personal Expense Tracker

File | D:/New%20folder/new%20project%20PETA/NEWPETA/templates/dashboard.html

ADD EXPENSE LIMIT HISTORY REPORT

# Hello, Lets Begin

Type here to search

28°C Sunny 10:58 18-11-2022



## 8.2 User Acceptance Testing

### 1.Purpose of Document

The purpose of this document is to briefly explain the test coverage and open issues of the Personal expense tracker application project at the time of the release to User Acceptance Testing (UAT).

### 2. Defect Analysis

This report shows the number of resolved or closed bugs at each severity level, and how they were resolved.

Resolution	Severity 1	Severity 2	Severity 3	Severity 4	Subtotal
By Design	9	5	2	3	19
Duplicate	2	0	3	0	5
External	2	3	0	1	6
Fixed	10	2	4	18	35
Not Reproduced	0	0	1	0	1
Skipped	0	0	1	1	2
Won't Fix	0	4	2	1	7
Totals	23	14	13	24	75



## NFT-Detailed Test Plan

## End of Test Report

End Of Test Report - Excel (Product Activation Failed)

FileHomeInsertPage LayoutFormulasDataReviewViewWPS PDF

Tell me what you want to do...

Sign inShare

Clipboard

Font

Alignment

Number

Conditional Formatting

Format as Table

Styles

Cells

Editing

General

Normal

Bad

Good

Neutral

Insert

Delete

Format

AutoSum

Fill

Clear

Sort & Filter

Find & Select

F6

Sign-off

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	NFR- Met	Test outcome	GO-NO GO decision	Recommendations	Identify detects	Approvals													
2	Scalability	Data transmission	GO	recommended	open	Approved													
3	Performance	state changes	No-Go	recommended	closed	Approved													
4	Capacity	state changes	Go	not-recommended	detected	Approved													
5	Environment	links	Go	recommended	open	Approved													
6	Reliability	Data transmission	No-Go	recommended	closed	Sign-off													
7																			
8																			
9																			
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28																			
29																			

Sheet1

Ready

12:09 AM 11/19/2022



## **10. ADVANTAGES & DISADVANTAGES**

### **10.1 Advantages**

1. Track investments and create saving goals.
2. Monitor your credit.
3. Tracking financial progress which is easily understandable.
4. Tracking what you spend can help you stick to your budget, not just in a general way, but in each category such as housing, food, transportation and gifts.
5. While a con is that manually tracking all cash that is spent can be irritating as well as time consuming, a pro is that doing this automatically can be quick and simple.
6. Another pro is that many automatic spending tracking software programs are available for free.
7. Having the program on a hand-held device can be a main pro since it can be checked before spending occurs in order to be sure of the available budget.
8. Some people like to keep a file folder or box to store receipts and record the cash spent each day.
9. Another pro is that for those who just wish to keep tracking spending by hand with a paper and pen or by entering data onto a computer spreadsheet, these options are also available.

### **10.2 Disadvantages**

1. A con with any system used to track spending is that one may start doing it then taper off until it's forgotten about all together.
2. Yet, this is a risk for any new goal such as trying to lose weight or quit smoking.
3. If a person first makes a budget plan, then places money in savings before spending any new

pay period or month, the tracking goal can help.

4. In this way, tracking spending and making sure all receipts are accounted for only needs to be

done once or twice a month.

5. Even with constant tracking of one's spending habits, there is no guarantee that financial goals will be met.

6. Although this can be considered to be a con of tracking spending, it could be changed into a

pro if one makes up his or her mind to keep trying to properly manage all finances.

7. Another con that may occur when spending is being tracked is an error, but this may also be able to be changed into a pro if the person does regular tracking.

8. Frequent tracking of cash spending can allow one to catch and correct errors so that the budget plan is still able to be adhered to despite the mistake.

9. Less secure and less verification steps.

10. Accounts sometimes need re-authorisation to sync.

## **11. CONCLUSION**

Monitoring your everyday expenses can set aside your cash, yet it can likewise help you set your monetary objectives for what's to come. On the off chance that you know precisely where your sum is going much of a stretch see where a few reductions and bargains can be made. Expense Tracker project is for keeping our day-to-day expenditures will helps us to keep record of our money daily. The project what we have created is work more proficient than the other income and expense tracker. The project effectively keeps away from the manual figuring for trying not to ascertain the pay and cost each month. It's a user-friendly application.

## 12. FUTURE SCOPE

- 1) It will have various options to keep record (for example Food, Travelling Fuel, Salary etc.).
- 2) Automatically it will keep on sending notifications for our daily expenditure.
- 3) In today's busy and expensive life, we are in a great rush to make moneys, but at the end of the month we broke off. As we are unknowingly spending money on title and unwanted things. So, we have come over with the plan to follow our profit.
- 4) Here user can define their own categories for expense type like food, clothing, rent and bills where they have to enter the money that has been spend and likewise can add some data in extra data to indicate the expense.
- 5) Achieve your business goals with a tailored mobile app that perfectly fits your business.
- 6) Scale-up at the pace your business is growing.
- 7) Deliver an outstanding customer experience through additional control over the app.
- 8) Control the security of your business and customer data.
- 9) Open direct marketing channels with no extra costs with methods such as push notifications.
- 10) Boost the productivity of all the processes within the organization.
- 11) Increase efficiency and customer satisfaction with an app aligned to their needs.
- 12) Seamlessly integrate with existing infrastructure.
- 13) Ability to provide valuable insights.
- 14) Optimize sales processes to generate more revenue through enhanced data collection.
- 15) feature. This feature will analyze, monitor, optimize, and improve diversification in investments by turning data into actionable insights in real-time.

Chats: Equip your expense tracking app with a bot that can understand and answer all user queries and address their needs such as account balance, credit score, etc.

## **13. APPENDIX**

### **13.1 Source code**

<https://github.com/IBM-EPBL/IBM-Project-5776-1658815761>