



Personal Expense Tracker Application

A IBM REPORT

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ACKNOWLEDGEMENT

We owe a great many thanks to great many who helped and supported us during the completion of our mini project.

We take this opportunity to express our profound gratitude and deep regards to our Founder Thiru. D. SUDHARSSANAM, M.L.A our chairman Thiru. D. DURAISWAMY, our humble Secretary Thiru. D.DASARATHAN and our correspondent Shri. S. AMARNAATH, M.Com, our Director Shri. D. SABARINATH, LLB for their exemplary guidance, monitoring and constant encouragement throughout the course of the thesis.

We also take this opportunity to express a deep sense of gratitude to thank our beloved Principal **Dr. S. RAMACHANDRAN, M.E., Ph.D.,** for extending his support .Also we sincerely thank **Dr. R. GEETHA, M.E., Ph.D.,** Head of the Department of Computer Science and Engineering for her guidance and encouragement in our project work helped us in completing this task through various stage.

We are obliged to convey our special and sincere gratitude to our project Faculty Mentor Mrs PREMA, M.E., and Industry Mentor Kusboo for her encouragement and concept during the review sessions along with her valuable advice, knowledge and expect guidance in our project. We are grateful for their assistance during the period of our project.

Lastly, we thank almightly, our parentes, all the teaching and non-teaching staff for their support and guidance throughtout our mini project and for their constant encouragement without which this project could not have been possible.

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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 computersystem, 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 andevery 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
- [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-expensesoftware/
 - [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.

l am	Describe customer with 3-4 key characteristics - who are they?	Describe the customer and their attributes here
I'm trying to	List their outcome or "Job" the care about - what are they trying to achieve?	List the thing they are trying to achieve here
but	Describe what problems or barriers stand in the way – what bothers them most?	Describe the problems or barriers that get in the way here
because	Enter the "root cause" of why the problem or barrier exists – what needs to be solved?	Describe the reason the problems or barriers exist
which makes me feel	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=/



Proble	I am	I'm trying	But	Because	Which makes
m	(Custom	to			mefeel
Stateme	er)				
nt(PS)					
PS-1	a traveler	Track	Can't	There is	uneasy
		my	categori	nooption	
		travelli	zethe	for	
		ng	various	categori	
		expense	type of	zethe	
		S	expenses	various	
				type of	
				expenses	

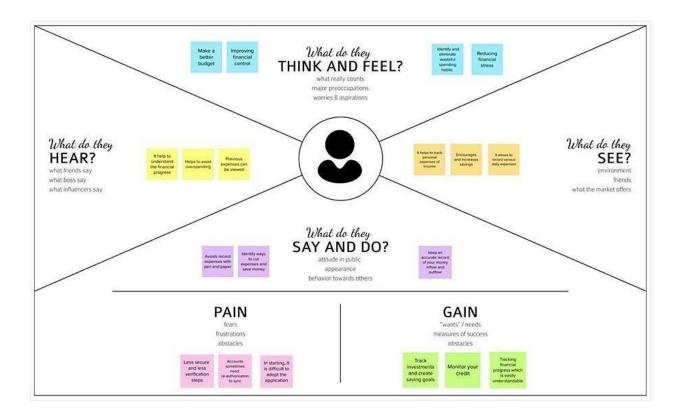
PS-2	A	manage	Can't	There is	uncomfortable
	entrepreneu	myfirm's	organize	no option	
	r	expenses	the	for	
			various	organize	
			expenses	the	
				various	
				expenses	

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.

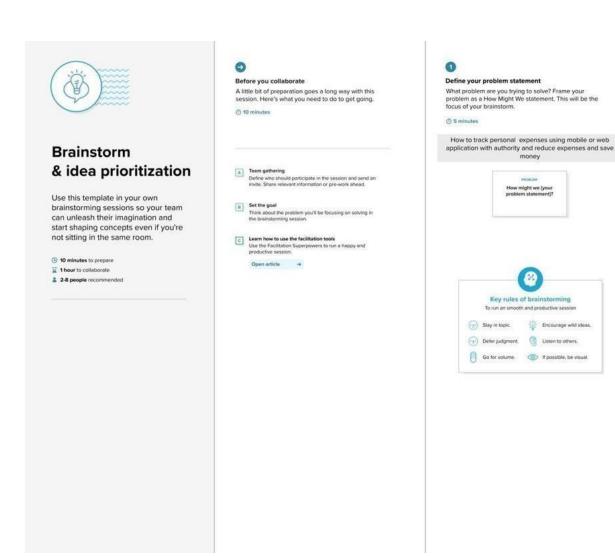


3.2 Ideation & Brainstorming

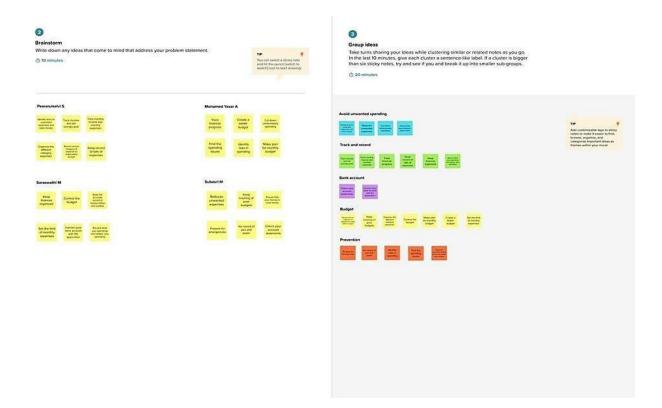
Brainstorming provides a free and open environment that encourages everyone within a team to participate in the creative thinking process that leads to problem solving. Prioritizing volume over value, out-of-the-box ideas are welcome and built upon, and all participants are encouraged to collaborate,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

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



Step-2: Brainstorm, Idea Listing and Grouping



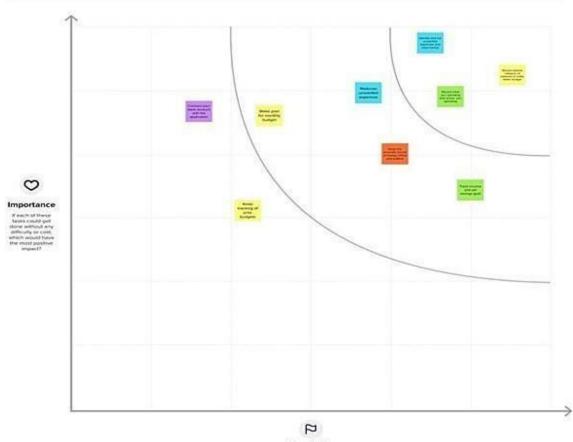
Step-3: Idea Prioritization



Delocitivo

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.

① 20 minutes



Feasibility

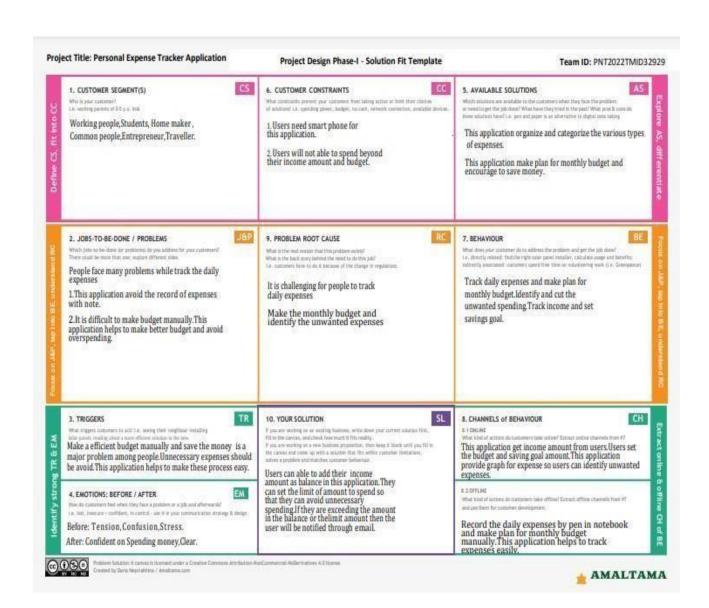
Regardess of their importance, which totals are more feasible than others? (Cost, time, effort, complexity, es:

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 expensescalculation. 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



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

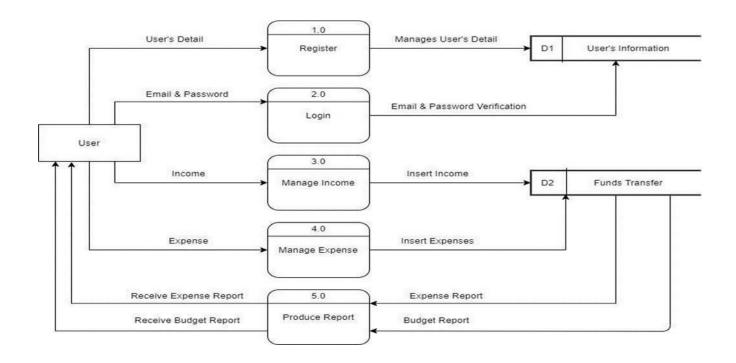
FR No.	Non-Functional	Description	
	Requirement		
NFR-1	Usability	Helps to track the daily expenses in eas and	
		understandable way.	
NFR-2	Security	User information such as login information and	
		expense data are secured.	

NFR-3	Reliability	User can view their previous day or monthly expenses.		
		These data are stored in the application.		
NFR-4	Performance	Responsive to the customer, fast response to the customer, retrieval of		
		information is fast and more secure.		
NFR-5	Availability	Application will be available to the user for 24/7, if the		
		user has internet access and mobile or PC.		
NFR-6	Scalability	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

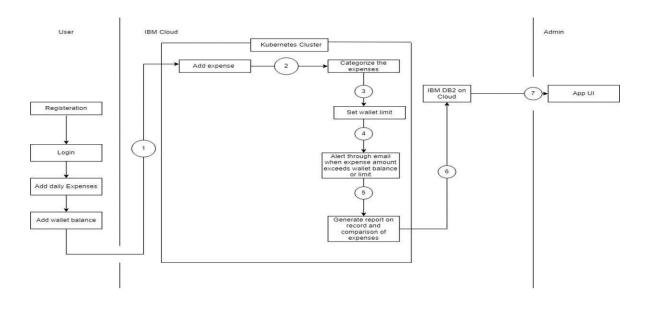
A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.



5.2 Solution & Technical Architecture

The Deliverable shall include the architectural diagram as below and the information as Per the table 1 & table 2.

Personal Expense Tracker Application



1 : Components & Technologies:

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

6.	Database	The Income and Expense	MySQL
		data of user are stored in	
		the	
		MySQL database	
7.	Cloud Database	With use of Database	IBM DB2.
		Service on Cloud, the	
		User data are stored in a	
		well secured	
		Manner	

8.	File Storage	IBM Block Storage used to	IBM Block Storage or
		store the expenses data of	Other Storage
		the user	Service or Local
			File system
9.	External API-1	To send email alerts when the	App UI
		expenses are made above	
		the wallet limit.	
10.	External API-2	Allow user to fill the feedback	App UI
		form	
11.	Infrastructure	Application	Local, Cloud
	(Server / Cloud)	Deployment on Local	Foundry,
		System / Cloud Local	Kubernetes
		Cloud Server	
		Configuration:	
		Kubernetes services,	
		SendGrid	

5.3 User Stories

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

User Type	Functio nal Require me nt(Epic)	User Stor y Nu mb	User Story / Task	Acceptan ce criteria	Prio rity	Rele ase
Custom	Registration	USN-1	As a user, I can register	I can access my account /	High	Sprint -1

(Mobile user)		for the application by entering my email, password, and confirming my password.	dashboard		
	USN-2	As a user, I can trackmy expense s andman age budgets.	I can track my expenses and manage my budgets.	High	Sprint -2
	USN-3		I can mail or SMS, if expense exceeds the budget.	Low	Sprint -3
	USN-4	As a user, I can see previous expenses.	I can view to the previous expenditures.	High	Sprint -2

	Login	USN-5	As a user, I can log into the applicatio n by entering email & password	I can see my daily expen se s.	High	Sprint -2
	Dashboard	USN-6	As a user, I can enterthe expenditure limit	I can see the alert as it exceeds to the budget.	Medi um	Sprint -3
Custom er (Webus er)		USN-7	As a customer, I can calculate the overall expenses.	I can reduce the daily expense s.	High	Sprint -3
Custo mer Care Execut ive		USN-8	As a customer care executive, I can solve thelog-in and other application issues.	I can provide services as anywher e at anytime.	Low	Sprint -4
Administr ator	Application	USN-9	As an administrato r, I can maintain the databases and upgrade the applications.	I can degrade the errorswhile using this application.	Low	Sprint -3

6. PROJECT PLANNING & SCHEDULING

6.1 Sprint Planning & Estimation

Sprin t	Functiona	Use r	User Story /	Stor	Priorit y	Team Memb
	Requirem	Stor	Task	y Poin		ers
	ent	y	Lask	ts		CIS
	(Epic)	Numbe		LS		
	(Epic)	r				
Sprin	Registratio	USN	As a user, I	2	High	Balaji
t- 1	n	-1	can register			S,
			for the			Kiran,
			application			Hari
			by entering			Haran,
			my email,			Hemanath
			password,			
			and			
			confirming			
			my password.			
Sprin		USN -2	As a user, I	1	High	Hari Haran
t- 1		-2	will receive			
			confirmation			
			email once I			
			have registered			

			for the			
			applicatio			
			n			
Sprin		USN -3	As a user, I	2	Low	Hemanath
t- 1		5	can register			
			for the			
			application			
			through			
			Facebook			
Sprin		USN -4	As a user, I	2	Mediu m	kiran
t- 1			can register			
			for the			
			application			
			through			
			Gmail			
Sprin	Login	USN -5	As a user, I	1	High	Hari Haran
t- 1			can log into			
			the			
			application			
			by			
			entering			
			email &			
			password			
Sprin	Dashboard	USN -6	Logging in	2	High	kiran
t- 2		O	takesthe user			
			to their			
			dashboard.			
Sprin		USN -7	As a user, I	2	Mediu m	Balaji S
t- 2		-,	will update		111	
			my balance			
			amount or			
			income at the			
			1110 0 1110 000 0110	I		

			month.			
Sprin t- 2		USN -8	As a user, I will set a limit of the amount to spend.	2	Mediu m	hemanath
Sprin t- 3	Database	USN -9	As a user, I can view the track of my expenses	4	High	Balaji S, Kiran, Hari Haran, Hemanath

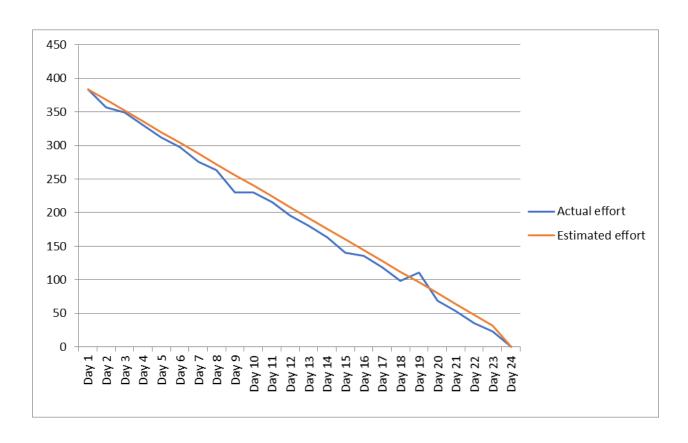
Sprin	Deploymen	USN- 10	Container of	4	High	Balaji
t- 4			applications			S,
			using docker			Kiran,
			kubernetes			Hari
			and			Haran,
			deployment			Hemanath
			the			
			application.			

6.2 Sprint Delivery Schedule

Sprint	Tota l Stor y Poin	Duratio n	Sprint Start Date	Sprint End Date (Planne d)	Story Points Completed (ason Planned	Sprint Relea se Date (Actual)
	ts				End Date)	
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"</pre>
id="date"></div>
         <div class="form-group"> <label for="">Expense name</label>
            <input class="form-control" type="text" name="expensename"</pre>
id="expensename">
         </div>
         <div class="form-group">
            <label for="">Expense Amount</label>
             <input class="form-control" type="number" min="0"</pre>
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 name="onlinebanking"</pre>
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"</pre>
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="imagge">
         <img width="70%" height="90%" src="addd.jpg" class="rounded float-</pre>
left" alt="...">
         </div>
     </div>
  </div>
```

</div>

</body>

</html>



7.2 Feature 2

Featue2: set limit

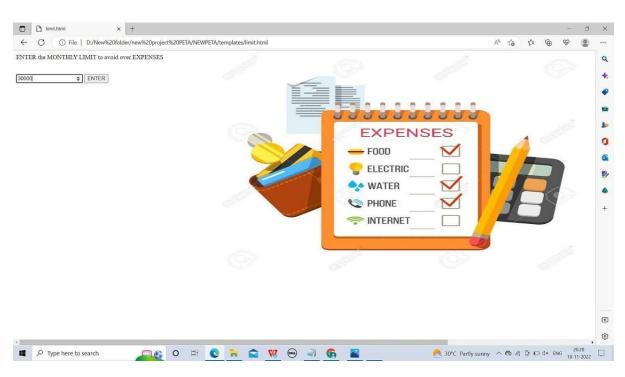
Set the limit to spend. Track your expenses anywhere, anytime. Seamlessly manage your money and budget without any financial paperwork. Just click and submit your invoices and expenditures. Access, submit, and approve invoices irrespective of time and location. Avoid data loss by scanning your tickets and bills and saving in the app. Approval of bills and expenditures in real-time and get notified instantly. Quick settlement of claims and reduced human errors with an automated and streamlined billing process.

CODE:

limit.html

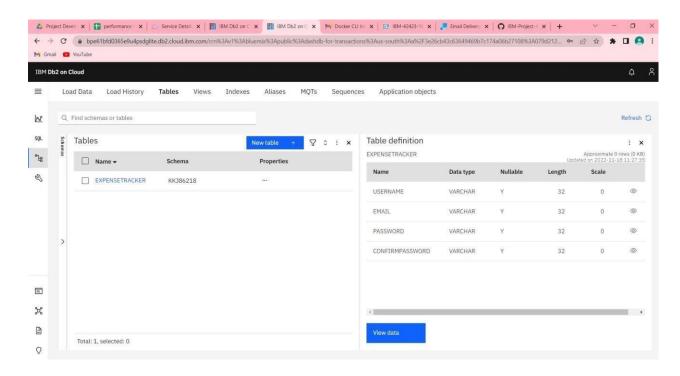
<html>

```
<body>
 Currently your MONTHLY limit is ₹ {{y}} 
<form action="/limitnum" method="POST">
   ENTER the MONTHLY LIMIT to avoid over EXPENSES <br/>  <input type="number" name="number" required/> <span>
        <buttoon 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;
```

```
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-

trans

form

:

uppe

rcase

•

letter

-

spaci

ng:

0.1re

m;

```
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;
```

```
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 {
```

border-radius: 10px;

```
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 */
```

```
/* 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.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.googleap is.com/css2?family=Noto+Sans:wght@700&family=Poping) and the state of the stat

```
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: translate Y(-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:

1.4re

m;

```
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;
```

t;border: 2px solid crimson; b a c \mathbf{k} g r 0 u n d c o 1 o r t r a n S p a r

e

n

```
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;
```

```
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 */
```

```
/* 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 */
/* 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);
});
```

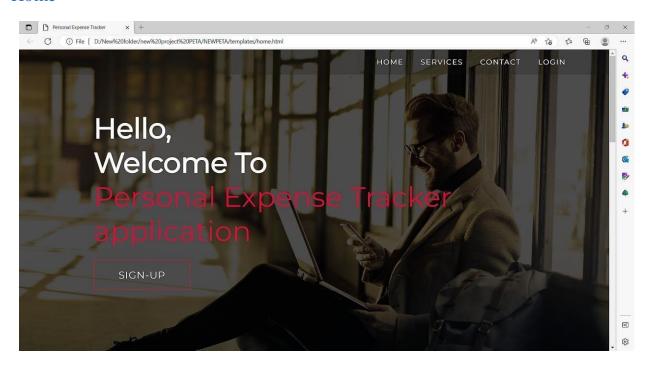
8. TESTING

8.1 Test Cases

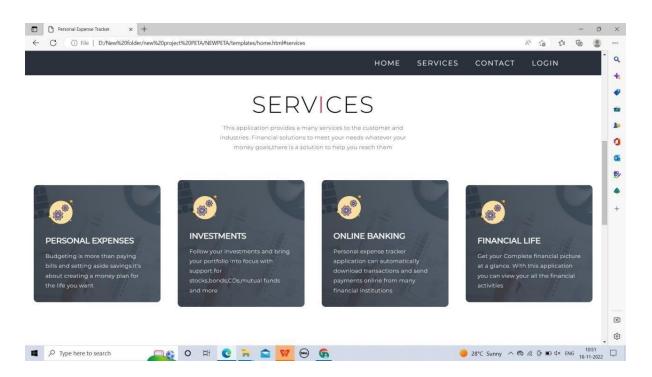
- Login Page (Functional)
- Login Page (UI)
- Add Expense Page (Functional)

				Date	03-Nov-22			
				Team ID	PNT2022TMID32929			
				Project Name	Project - Personal Expense Tracket			
				Maximum Marks	4 marks			
Test case ID	Feature Type	Component	Test Scenario	Pre-Requisite	Steps To Execute	Test Data	Expected Result	Actua
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/Singup popup displayed or not	file:///D:/New%20folder/new %20project%20PETA/NEWPE TA/templates/home.html	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/singup popup with below UI elements: a.email text box b.password text box c.Login button d.Last password? Recovery password link	file:///D:/New%20folder/new %20project%20PETA/NEWPE TA/templates/Login.html		Wor exp
Login Page_TC_003	UI	login Page	Verify the UI elements in login popup	HTML,CSS,JS,PYTHON,FLASK		Username: chalam@gmail.com password: Testing123	User should navigate to user account homepage	Wor

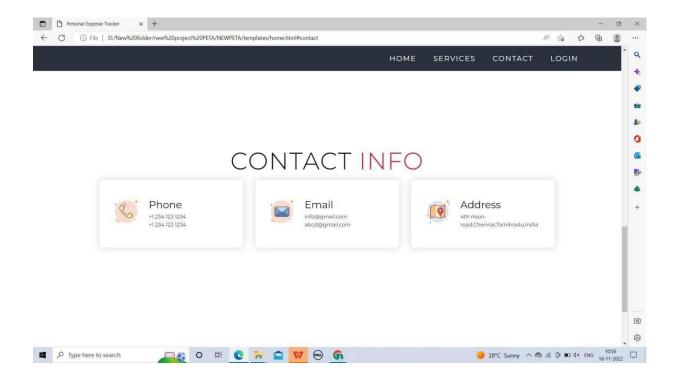
Home



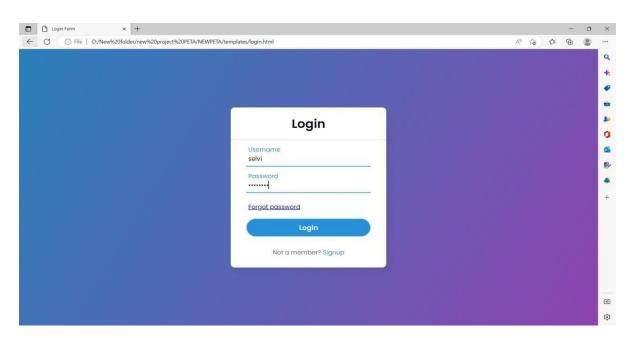
Home-Services



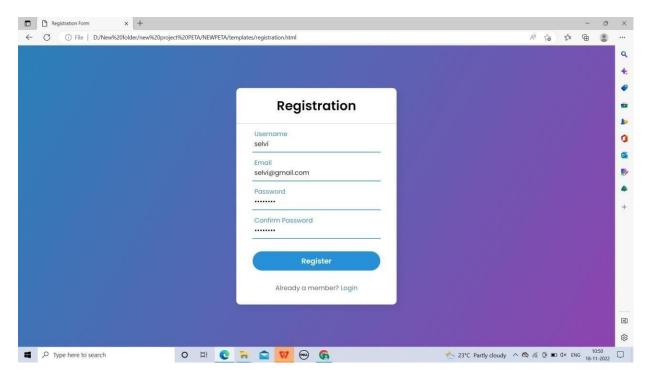
Home-Contacts



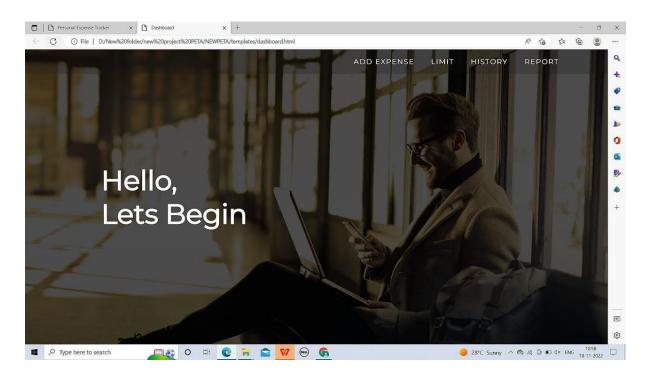
Login



Registration



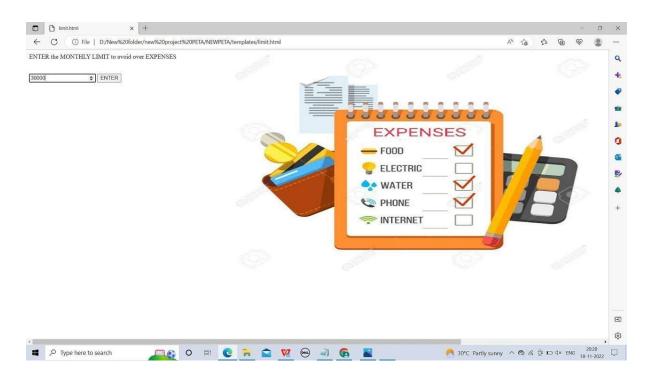
Dashboard



Add Expenses



Limit



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.

Resolutio n	Severi ty1	Severi ty2	Severi ty3	Severi ty4	Subtot al
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	1 3	24	75

3. Test Case Analysis

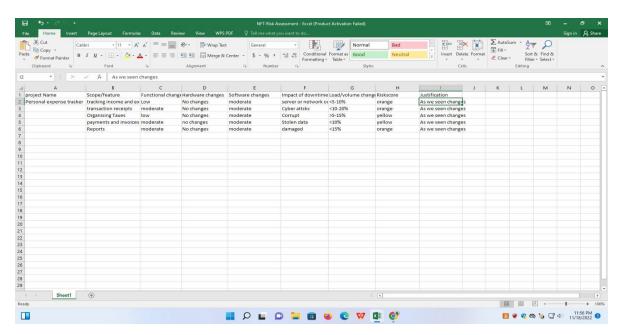
This report shows the number of test cases that have passed, failed, and untested

Section	Total Cases	Not Tested	Fa il	Pa ss
Print Engine	7	0	0	7
Client Application	51	0	0	51
Security	2	0	0	2
Outsource Shipping	3	0	0	3
Exception Reporting	9	0	0	9
Final Report Output	4	0	0	4
Version Control	2	0	0	2

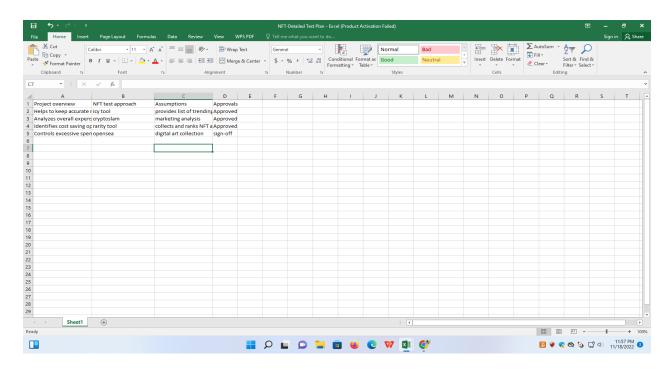
9. RESULTS

9.1 Performance Metric

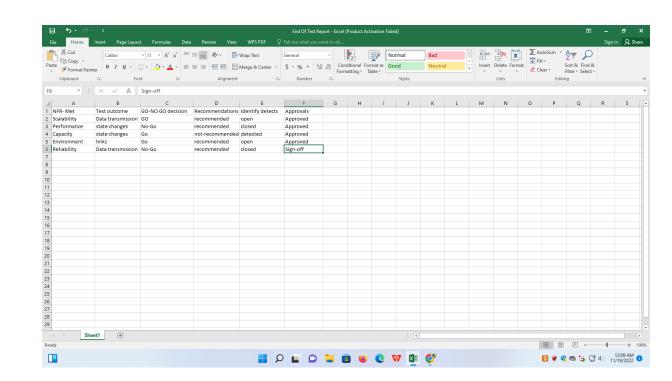
NFT-Risk Assessment



NFT-Detailed Test Plan



End of Test Report



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 consuming 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 I 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 you 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 answerall 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