

KONGU ENGINEERING COLLEGE

(An Autonomous Institution)

PROJECT

Personal Expense Tracker Application

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1.INTRODUCTON

1.1 Project Overview:

This project is based on an expense and income tracking system. This project aims to create an easy, faster and smooth tracking system between the expense and the income. This project also offers some opportunities that will help the user to how to manage the expenses in efficient way and also set have an option to set a limit for the amount to be used for that particular month. So, for the better expense tracking system, we developed our project that will help the users a lot.

1.2 Purpose:

An expense tracking app is an exclusive suite of services for people who seek to handle their earnings and plan their expenses and savings. When you track your spending, you know where your money goes and you can ensure that your money is used wisely. Tracking your expenditures also allows you to understand why you're in debt and how you got there. This will then help you design a be fitting strategy of getting out of debt. Many people in India live on a fixed income, and they find that towards the end of the month they don't have sufficient money to meet their needs

2.Literature Survey

2.1 Existing Problem:

In existing, we need to maintain the Excel sheets, CSV files for the user daily, weekly and monthly expenses and 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. A writing audit is a study of insightful sources on a particular research. We found various similar products that have already been developed in the market. Unlike all those products, Personal Expense tracker (PET) provides security

and graphical results. We provide the user to enter their wish-list before any purchase. It generates notifications to notify user about their money management and put a limit to weekly, monthly, expenses.

2.2 Problem Statement Definition:

Every earning people are mostly obsessed at the end of the month as they cannot remember where all of their money have gone when they have spent and ultimately have to sustain in little money minimizing their essential needs. There is no as such complete solution present easily to keep track of its daily expenditure easily and notify them if they are going to have money shortage. Personal finance applications will ask users to add their expenses and based on their expenses wallet balance will be updated which will be visible to the user. Also, users can get an analysis of their expenditure in graphical forms. They have an option to set a limit for the amount to be used for that particular month if the limit is exceeded the user will be notified with an alert. the main purpose of our application is to track the user's expenses.

3. Ideation and Proposed Solution

3.1 Empathy Map Canvas:

An empathy map canvas helps brands provide a better experience for users by helping teams understand the perspectives and mind set of their customers. Using a template to create an empathy map canvas reduces the preparation time and standardizes the process so you create empathy map canvases of similar quality

Says

What have we heard them say?
What can we imagine them saying?

Keeping a
manual
diary is
hard

Manually
plan
budgets and
accounts

Taking
down all
expenses in
paperwork

Say

Thinks

What are their wants, needs, hopes,
and dreams? What other thoughts
might influence their behavior?

no need of
carrying
notes

focus on
goals to
buy

automated
calculator

Think



expenses
monthly
will be
shared

automated
savings
calculator

set budget
goals

effort
needed to
reach
goals



data
entry is
hectic

framing
budget is
hard

what to do
first with
savings

Does

What behavior have we observed?
What can we imagine them doing?

Feels

What are their fears, frustrations, and
anxieties? What other feelings might
influence their behavior?

Gains

Comfortable

Easy to
manage

Pains

Enter
every
spending

daily
sticking to
update

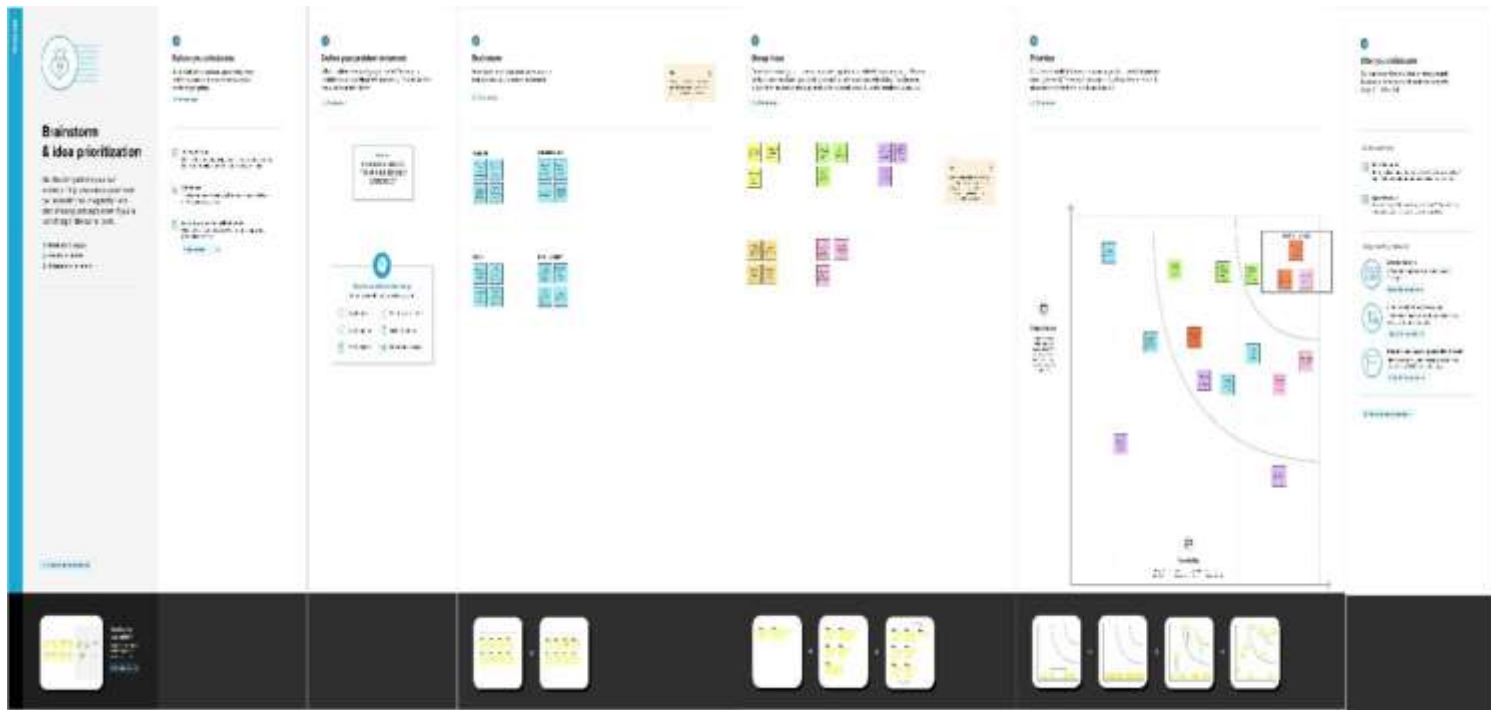
3.2 Ideation and Brainstorming:

Brainstorming is a group activity where everyone comes together to discuss strategies for growth and improvement. You can exchange ideas, share important information and use these meetings as informal catch-up sessions with your co-workers. Brainstorming combines a relaxed, informal approach to problem solving with lateral thinking. It encourages people to come up with thoughts and ideas that can, at first, seem a bit crazy. Some of these ideas can be crafted into original, creative solutions to a problem, while others can spark even more ideas.

Ideation is the process where you generate ideas and solutions through sessions such as Sketching, Prototyping, Brainstorming, Brain writing, Worst Possible Idea, and a wealth of other ideation techniques. Ideation is also the third stage in the Design Thinking process.



As you can see, ideation is not just a one-time idea generation or a brainstorming session. In fact, we can divide ideation in these three stages: generation, selection, and development.



3.3 Proposed Solution:

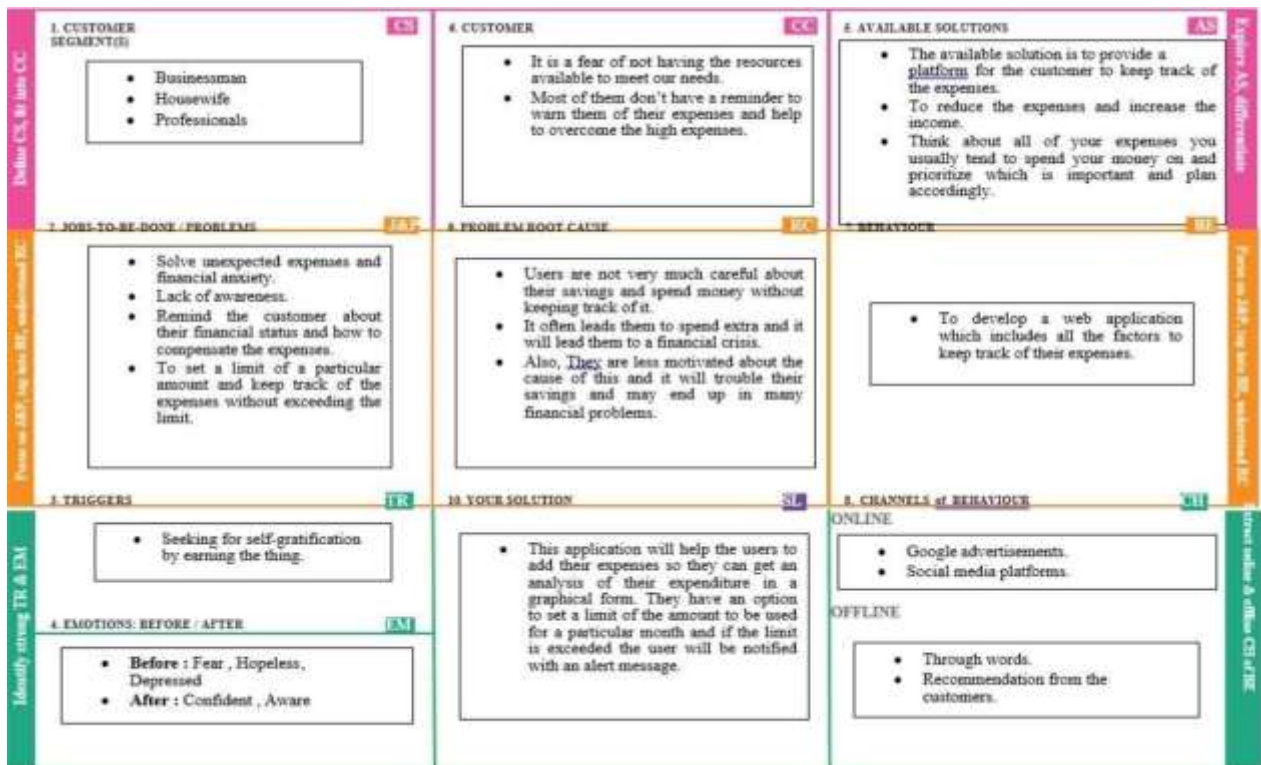
Expense Tracker is going to be a mobile application so that It can be accessed any time required. This application will have a two-tier architecture: first one is the database tier, where all the data and financial data will be stored. Second it will be the user interface which will support the application user communicate with the system and also store Information in the database. The proposed system should operate offline so it can be accessed at any time without internet availability. The proposed system should provide different categories for the user to select from and they can enter the amount and mode of payment. This system should be able to analyze the information, provide analytics on which category did the user spent most of their money. The proposed system should provide a user interface where the user could store and observe their past expenses. To develop a personal finance application which allows users to add their expenses and based on their expense wallet balance will be updated and displayed. Also, users can get an analysis of their expenditure in graphical forms. They have an option to set a limit for the amount to be used for that particular month and if the limit is exceeded the users will be notified with an email alert

S.NO:	Parameter	Description
1.	Problem Statement (Problem to be solved)	<p>Keeping Proper track of our daily expenses is becoming challenging in today's world.</p> <p>Without the proper money management knowledge people overspend on their wants instead of focusing on their needs.</p> <p>Especially when using online applications for purchasing their requirements consumers tend to over spend. This problem leads to improper distribution of their daily expenses. Without proper knowledge on managing money poor are becoming poorer and rich are becoming richer.</p>

2.	Idea / Solution description	<p>An attempt to develop an app to manage our daily expenses and give us insights on managing our money would be a good idea. This app will be able to track expenses on various online platforms and apps. The app can help with proper budgeting and give alerts when the user over spends or crosses the limit previously set by them. This will lead to proper spending habits and make them knowledgeable about money management. IBM cloud can be used to handle the data safely.</p>
3.	Novelty / Uniqueness	<p>The speciality for the app will be the data security with IBM cloud being used for data storage and this app genuinely helps with the money management. The proper and personalized budgeting of the user's money leads them to trust the app and they wouldn't have to worry about their expenditure on unnecessary things.</p>
4.	Social Impact / Customer Satisfaction	<p>People using the app will be becoming better at their spending habits and will be able to save more than their peers who are not using the app. This application aims to improve the users' savings sustainably and steadily which leads them to trust the app without worrying about their money</p>

5.	Business Model (Revenue Model)	This application leads to a business model, the user can be suggested the right products to buy based on their budget and this can lead to targeted business approaching the right consumers. The model leads to systematic and structured expenses of the user and also leads to predictive analysis of the future expenses of the consumer. This model makes the user more careful with expenses as they are provided with the money management insights
6.	Scalability of the Solution	This application can be created as a multi user model nationwide. The model can also be modified based on the country's law on applications and data security which leads to international implementation of this application by maintaining proper gateway rules. This app when developed for multiple nations can be modified to their requirements. The app can also be modified for a particular group of people or organization

3.4 Problem Fit:



4. Requirement Analysis:

4.1 Functional Requirements:

1. Dashboard panel

The system shall authenticate the user and then display panel based on the particular identified user.

2. Add bill

The system shall allow the user to add bill details based on the user's need to track the type of expenses.

3. Expense planner

The system should graphically represent the current month figure based current month expenses and user's own budget share.

4. Expense tracker

The system should graphically represent the yearly expense numbers in form of report

5.Add notes

The system shall allow users to add notes to their expenses.

4.2 Non-Functional Requirements:

1. Usability

There is a consistency in all the modules and webpages. To ease the navigation there is a back tab to provide access to previous page. There is proper instruction on each page.

2. Reliability

Each data record is stored on a well-built efficient database schema. There is no risk of data loss. The internal evaluation of data is well coded.

3. Supportability

The system is well built to support any machine. Maintainability of the system is easy.

4. Performance

In order to ease the accessibility, the types of expenses are categorized along with an option to name on the own. Throughput of the system is increased due to light weight database support.

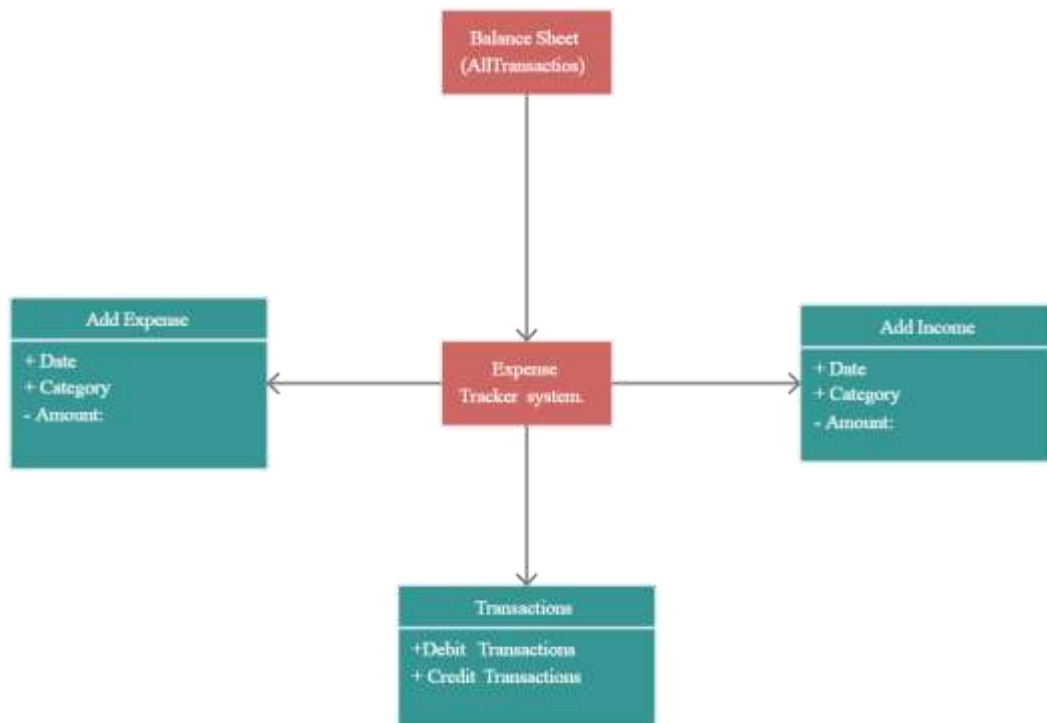
5. Availability

The system is available all the time, no time constraint.

5. Project Design

5.1 Data flow Diagrams:

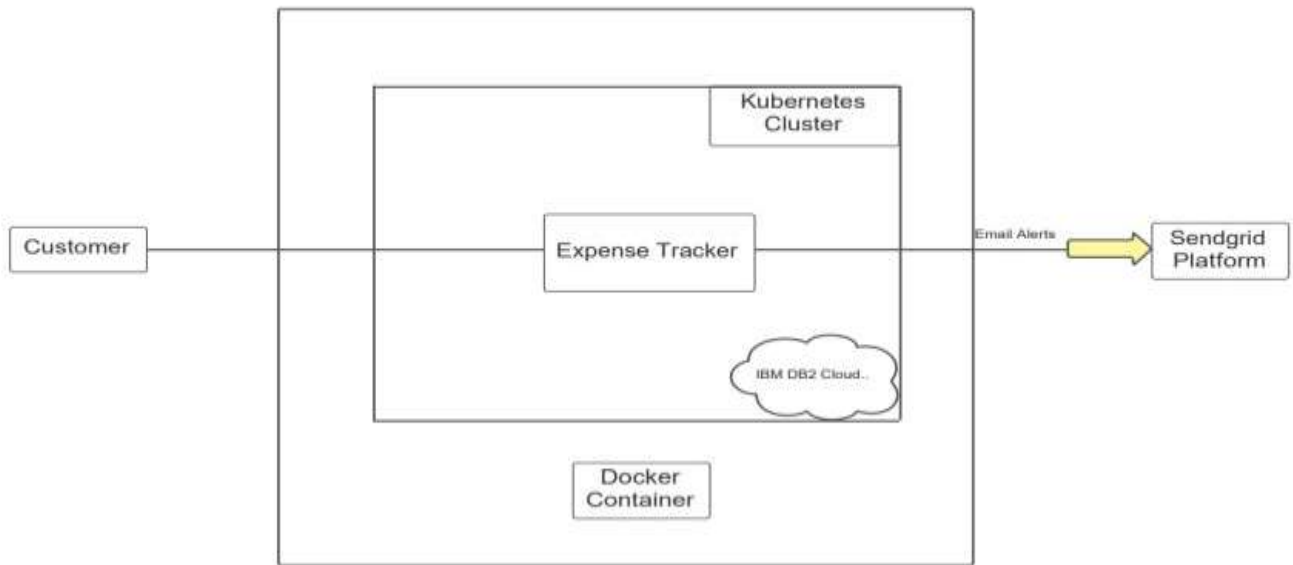
A data flow diagram (DFD) is a graphical or visual representation using a standardized set of symbols and notations to describe a business's operations through data movement. Data flow diagrams provide a straightforward, efficient way for organizations to understand, perfect, and implement new processes or systems. They're visual representations of your process or system, so they make it easy to understand and prune.



5.2 Solution & Technical Architecture:

Technical Architecture (TA) is a form of IT architecture that is used to design computer systems. It involves the development of a technical blueprint with regard to the arrangement, interaction, and interdependence of all elements so that system-relevant requirements are met.

PERSONAL EXPENSE TRACKER APPLICATION -- SOLUTION ARCHITECTURE



6. Project Planning & Scheduling:

6.1 Sprint Planning & Estimation:

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task
Sprint - 1	Registration	USN -1	As a user, I can register for the application by entering my email, and new password and confirming the same password.
		USN -2	As a user, I will receive confirmation email once I have registered for the application.
	Login	USN -3	As a user, I can log into the application by entering email and password / Google OAuth.
	Dashboard	USN -4	Logging in takes the user to their dashboard.
Sprint - 2		USN -5	As a user, I will update my salary at the start of each month.
		USN -6	As a user, I will set a target/limit to keep track of my expenditure.
	Workspace	USN -7	Workplace for personal expense tracking
	Charts	USN -8	Graphs to show weekly and everyday expenditure
		USN -9	As a user, I can export raw data as csv file.

Sprint - 3	IBM DB2	USN - 10	Linking database with dashboard
		USN - 11	Making dashboard interactive with JS
	Watson Assistant	USN - 12	Embedding Chatbot to clarify user's queries.
	BCrypt	USN - 13	Using BCrypt to store passwords securely.
	SendGrid	USN - 14	Using SendGrid to send mail to the user. (To alert or remind)
Sprint - 4	Integration	USN - 15	Integrating frontend and backend.
	Docker	USN - 16	Creating Docker image of web app.
	Cloud Registry	USN - 17	Uploading docker image to IBM cloud registry.
	Kubernetes	USN - 18	Creating container using docker and hosting the webapp.
	Exposing Deployment	USN - 19	Exposing IP/Ports for the site.

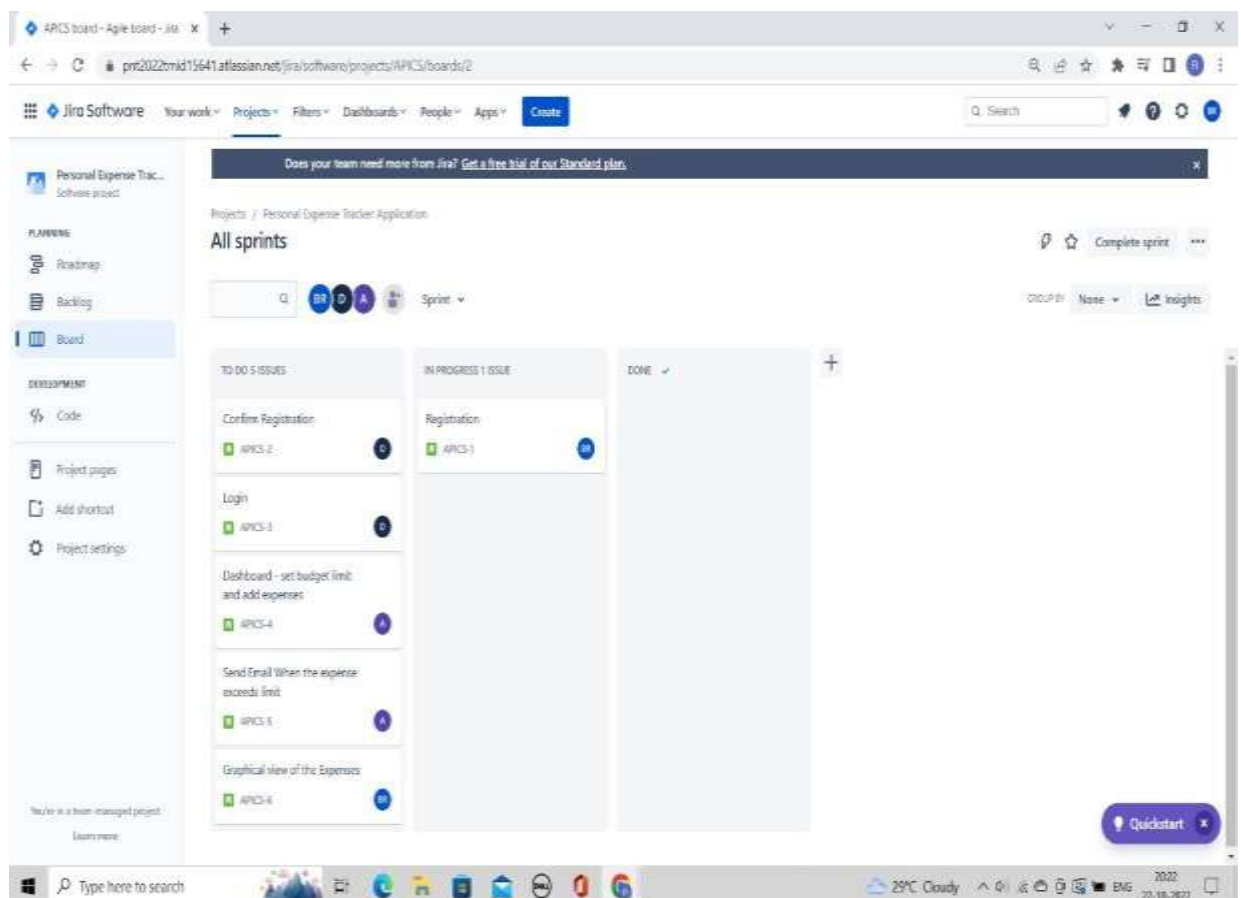
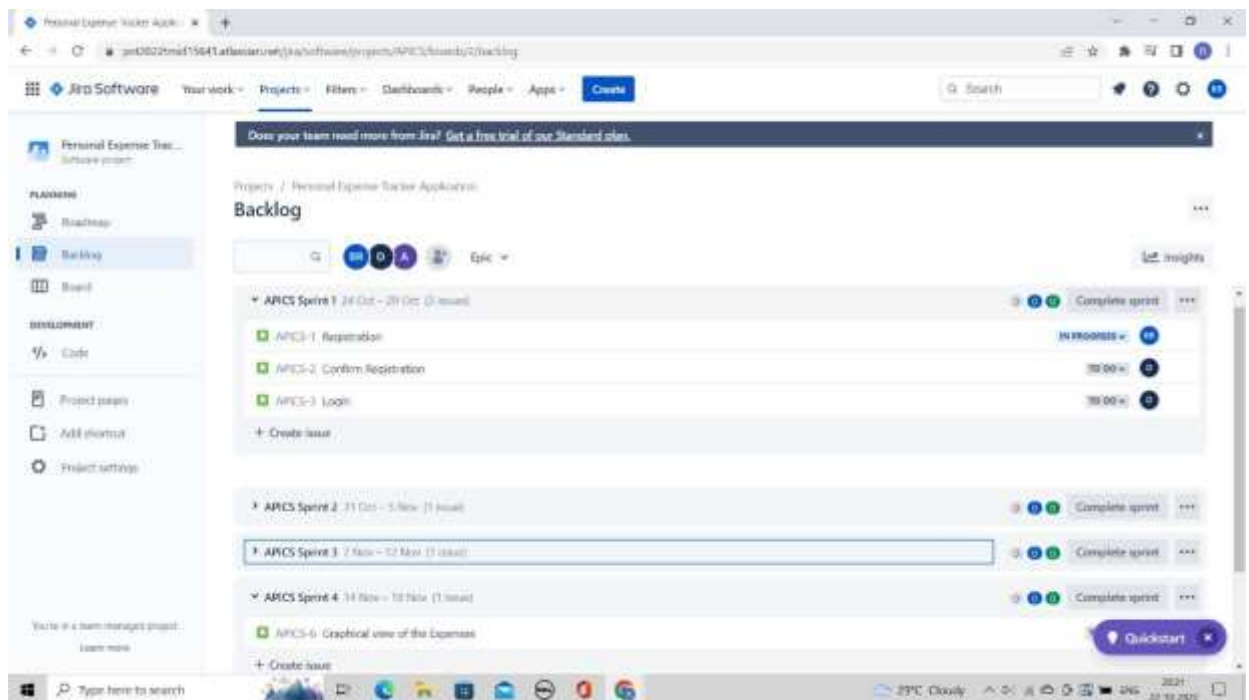
6.2 Sprint Delivery Schedule:

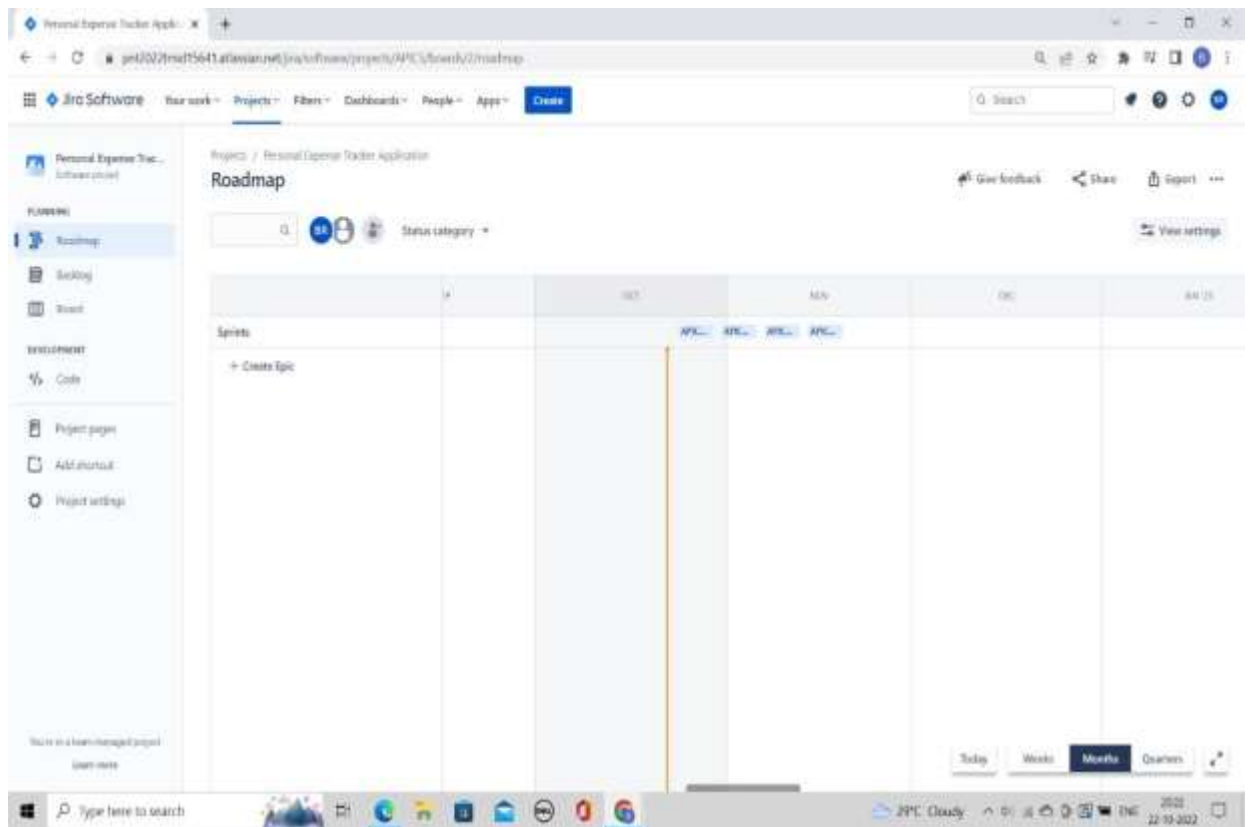
A sprint schedule is a document that outlines sprint planning from end to end. It's one of the first steps in the agile sprint planning process—and something that requires adequate research, planning, and communication.

Sprint	Total Story Points	Sprint Start Date	Sprint End Date	Story Points Collected	Sprint Release Date
Sprint 1	20	23 Oct	27 Oct	20	28 Oct
Sprint 2	20	30 Oct	02 Nov	20	03 Nov
Sprint 3	20	06 Nov	10 Nov	20	11 Nov
Sprint 4	20	13 Nov	18 Nov	20	19 Nov

6.3 Reports from JIRA:

JIRA is a software application used for issue tracking and project management. The tool, developed by the Australian software company Atlassian, has become widely used by agile development teams to track bugs, stories, epics, and other tasks





7. Coding & Solution:

7.1 Database Schema:

IBM Db2 on Cloud

Load Data Load History **Tables** Views Indexes Aliases MQTs Sequences Application objects

Find schemas or tables Refresh

Schemas

Name	Type	Tables
SPQ76013	User	8

Total: 1, selected: 1

Tables

Name	Schema	Properties
EXPENSES	SPQ76013	...
LMQTS	SPQ76013	...
PETA	SPQ76013	...
PETACATEGORY	SPQ76013	...
PETA_EXPENSES	SPQ76013	...
PETA_GROUPS	SPQ76013	...
REGISTER	SPQ76013	...
STUDENTS	SPQ76013	...

Total: 8, selected: 0

IBM Db2 on Cloud

Error: Please check network connectivity then try again. Show logs

Find schemas or tables Refresh

Tables

Name	Schema	Properties
EXPENSES	SPQ76013	...
LMQTS	SPQ76013	...
PETA	SPQ76013	...
PETACATEGORY	SPQ76013	...
PETA_EXPENSES	SPQ76013	...
PETA_GROUPS	SPQ76013	...
REGISTER	SPQ76013	...
STUDENTS	SPQ76013	...

Total: 8, selected: 0

Table definition

EXPENSES

Name	Data type	Nullable	Length	Scale
ID	VARCHAR	Y	255	0
DATES	TIMESTAMP	Y	10	6
EXPENSENAME	VARCHAR	Y	255	0
AMOUNT	INTEGER	Y		0
PAYMODE	VARCHAR	Y	255	0
CATEGORY	VARCHAR	Y	255	0

View data

8. Testing

Testing is the process of evaluation a software item to detect differences between given input and expected output. Testing is a process should be done during the development phase.

Test Case Id	Test Description	Input Test Data	Expected Result	Actual Result	Remarks
TC-1	Install PET app in android phone	Transfer PET app	Open Application with it home page	Application executed with home page	Pass
TC-2	Enter valid data in username and password field	lyall	Show home page for user lyall	Displayed home page for user lyall	Pass
TC-3	Enter a valid data in username and leave password field empty	lyall	Show error	Didn't show any error	Fail

9. Results

Source Code: #Homepage.html

```
{% extends 'base.html' %} {% block body %}

{% extends 'base.html' %}
{% block body %}

<style>

body{

    /* background-image: url('../static/images/hb2.png'); */
    background-repeat: no-repeat;
    background-attachment: fixed;
    overflow: hidden;
}

img{
    border-radius: 14px;
}

H1 {
    position: relative;
    right: -650PX;
    top: -350PX;
    color:#000000;
    font-size: 60px;
}

p{
    position: relative;
    right: -680px;
    top: -300px;
    font-family:monospace;
    font-size: 18px;
    color: #000000;
}

span{
    position: relative;
```

```

right: -650px;
top: -310px;
color: rgb(221, 67, 157);
}
.ccc {
position: relative;
top: 80px;
left: -100px;
bottom: 100px;

} </style>
<div id=aa class="container">
<div class="ccc">
<!--  -->
<video height="450px" width="450px" style="position: relative; top: 50px; left: 90PX;" autoplay
loop>
<source src="/static/images/hbg1.mp4" type="video/mp4">
<source src="/static/images/hbg1.ogg" type="video/ogg">
Your browser does not support the video tag.
</video>
<h1>LET'S START JOURNEY</h1>
<P>Kadg web application helps<br> you to maintain budget<br>
and analyse the expense...</P>


</div>
<span class="btn btn-outline-dark"><a style="color: #FFA62B;" href="/add">Let's Begin</a></span>
</div>
<script>
window.watsonAssistantChatOptions = {

```

```

integrationID: "2b3b02fd-8700-468a-97d2-faaf63f747d3", // The ID of this integration.
region: "eu-gb", // The region your integration is hosted in.
serviceInstanceID: "32361bf7-986e-4117-986d-25414121489d", // The ID of your service instance.
onLoad: function(instance) { instance.render(); }
};
setTimeout(function(){
const t=document.createElement('script');
t.src="https://web-chat.global.assistant.watson.appdomain.cloud/versions/" +
(window.watsonAssistantChatOptions.clientVersion || 'latest') + "/WatsonAssistantChatEntry.js";
document.head.appendChild(t);
});
</script>
{% endblock %}

```

#Home.html

```

<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">

<link rel="stylesheet" href="..\static\css\home.css">
<title>Kadg Budget</title>
</head>
<body>
<!-- Header -->
<section id="header">
<div class="header container">
<div class="nav-bar">
<div class="brand">
<a href="#hero">
<h1><span>K</span>adg <span>B</span>udget</h1>

```

```
</a>
</div>
<div class="nav-list">
  <div class="hamburger">
    <div class="bar"></div>
  </div>
  <ul>
    <li><a href="#hero" data-after="Home">Home</a></li>
    <li><a href="#services" data-after="Service">Services</a></li>

    <li><a href="#about" data-after="About">About</a></li>
    <li><a href="#contact" data-after="Contact">Contact</a></li>
    <LI><a href="/signin" data-after="Login">-Login-</a></LI>
  </ul>
</div>
</div>
</div>
</div>
</section>
<!-- End Header -->
<!-- Hero Section -->
<section id="hero">
  <div class="hero container">
    <div>
      <h1>Hello, <span></span></h1>
      <h1>Welcome To <span></span></h1>
      <h1>Personal Expense Tracker Application <span></span></h1>
      <a href="/signup" type="button" class="cta">Sign-up</a>
    </div>
  </div>
</section>
<!-- End Hero Section -->
<!-- Service Section -->
```

```
<section id="services">
<div class="services container">
<div class="service-top">
<h1 class="section-title">Services</h1>
<p>Kadg Budget provides a many services to the customer and industries. Financial solutions to
meet your needs whatever your money goals,there is a Finbudget solution to help you reach them </p>
</div>
<div class="service-bottom">
<div class="service-item">
<div class="icon"></div>
<h2>Personal Expenses</h2>
<p>Budgetting is more than paying bills and setting aside savings.it's about creating a money plan
for the life you want</p>
</div>
<div class="service-item">
<div class="icon"></div>
<h2>Investments</h2>
<p>Follow your investments and bring your portfolio into focus with support for
stocks,bonds,CDs,mutual funds and more</p>
</div>
<div class="service-item">
<div class="icon"></div>
<h2>Online Banking</h2>
<p>Kadg Budget application can automatically download transactions and send payments online
from many financial institutions</p>
</div>
<div class="service-item">
<div class="icon"></div>
<h2>Financial Life</h2>
<p>Get your Complete financial picture at a glance. With Kadg Budget application you can view
your all the financial activities
</p>
```

```

</div>
</div>
</div>
</section>
<!-- End Service Section -->
<!-- About Section -->
<section id="about">
<div class="about container">
<div class="col-left">
<div class="about-img">

<br><br><br><br><br>
<!-- <div><h2>Personal Expense Tracker ceo, Gowshika N M, Dhivya Bharathi R, Abitha T, Kavithasri
V </h2></div> -->
</div>
</div>
<div class="col-right">
<h1 class="section-title">About <span>KADG</span></h1>
<h2>Financial Solution</h2>
<p>Kadg Budget financial solution is Personal Expense Tracker (PET) which is a daily expense
management system which is
specially designed for non- salaried and salaried personnel for keeping track of their daily
expenditure with easy and
effective way through computerized system which tends to eliminate manual paper works. It will
also manage records in
systematic way and user can access the stored data conveniently. We have tried to design the
project in such way that
user may not have any difficulty in using this application without much effort.
This software can be really used by end user who have Android running devices with them. </p>
<a href="#footer" class="cta">Follow Us</a>
</div>
</div>

```



```
</section>

<!-- End About Section -->

<!-- Contact Section -->

<section id="contact">

<div class="contact container">

<div>

<h1 class="section-title">Contact <span>info</span></h1>

</div>

<div class="contact-items">

<div class="contact-item">

<div class="icon"></div>

<div class="contact-info">

<h1>Phone</h1>

<h2>+91 7708642598</h2>

<h2>+91 6382285044</h2>

</div>

</div>

<div class="contact-item">

<div class="icon"></div>

<div class="contact-info">

<h1>Email</h1>

<h2>kadg1234@gmail.com</h2>

</div>

</div>

<div class="contact-item">

<div class="icon"></div>

<div class="contact-info">

<h1>Address</h1>

<h2>Salem,Tamilnadu,India</h2>

</div>

</div>
```

</div>

</div>

</section>

<!-- End Contact Section -->

<!-- Footer -->

<section id="footer">

<div class="footer container">

<div class="brand">

<h1>Kadg Budget</h1>

</div>

<h2>Your Complete Financial Solution</h2>

<div class="social-icon">

<div class="social-item">

</div>

<div class="social-item">

</div>

<div class="social-item">

</div>

<div class="social-item">

</div>

</div>

<p>Copyright © 2021 . All rights reserved</p>

</div>

</section>

<!-- End Footer -->

<script src="..\static\js\home.js"></script>

```
</body>
```

```
</html>
```

#forgot.html

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

```
<head>
```

```
<style>
```

```
*, *:before, *:after {
```

```
-webkit-box-sizing: border-box;
```

```
box-sizing: border-box;
```

```
}
```

```
body {
```

```
background-image: url('static/images/fpbgl.jpeg');
```

```
background-repeat: no-repeat;
```

```
background-attachment: fixed;
```

```
background-size: cover;
```

```
font-family: 'Lato', sans-serif;
```

```
}
```

```
/****** For Smartphones *****/
```

```
.container-center {
```

```
position: absolute;
```

```
left: 25%;
```

```
width: 95%;
```

```
height: 90%;
```

```
-webkit-transition: all 0.1s;
```

```
transition: all 0.1s;
```

```
bottom: 40%;
```

```
-webkit-transform: translateX(-50%) translateY(50%);
```

```
transform: translateX(-50%) translateY(50%);
```

```
}
```

```
h2, img {
```

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

```
color: white;
font-weight: 10;
text-shadow: 0px 1px rgba(0, 0, 0, 0.3);
}
h4{
text-align: center;
color:black;
font-size: 1.1em;
font-family: times;
font-style:normal;
line-height: 130%;
opacity: .6;
}
form {
width: 100%;
overflow: hidden;
background-color: #FEFEFE;
padding: 70px 13px;
border-radius: 21px;
-webkit-box-shadow: 0px 5px 34px rgba(0, 0, 0, 0.1);
box-shadow: 0px 5px 34px rgba(0, 0, 0, 0.1);
}
formgroup {
position: relative;
width: 100%;
display: block;
margin: 1em 0;
font-size: 1em;
}
formgroup input {
width: 100%;
border: none;
```

```
border-bottom: 1px solid #888888;
padding: 8px 0;
font-size: inherit !important;
margin-bottom: 13px;
outline: none;
opacity: 0.7;
font-weight: 600;
}
formgroup input:focus {
  opacity: 1;
border-bottom: 2px solid #F71442;
color: #F71442;
}
formgroup label {
  position: absolute;
font-size: 0.8em;
top: -1em;
left: 0;
-webkit-transition: all 0.3s;
transition: all 0.3s;
opacity: 0.7;
color: #888888;
text-transform: uppercase;
}
formgroup span {
  position: absolute;
top: -1em;
left: -500px;
opacity: 0;
color: #333333;
font-weight: bold;
text-transform: uppercase;
```

```
font-size: 0.8em;
-webkit-transition: all 0.3s;
transition: all 0.3s;
}
formgroup input:focus + label {
  left: 500px;
  opacity: 0;
}
formgroup input:focus ~ span {
  left: 0;
  opacity: 1;
}
.forgot {
  display: block;
  width: 100%;
  text-align: center;
  font-size: 1em;
  font-weight: bold;
  margin-top: 21px;
  opacity: 0.8;
}
#login-btn {
  border: none;
  color: #FEFEFE;
  padding: 0.8em 0;
  font-size: 1em;
  font-weight: 300;
  width: 100%;
  border-radius: 55px;
  -webkit-box-shadow: 0px 3px 21px #A594F9;
  box-shadow: 0px 3px 21px #A594F9;
  background: -webkit-gradient(linear, left top, right top, from(#F98340), to(#F71442));
```

```
background: #A594F9;
background-size: 100%;
text-shadow: 0px 1px 2px rgba(0, 0, 0, 0.2);
}
.social {
margin-top: 1.8em;
display: -webkit-box;
display: -ms-flexbox;
display: flex;
}
.social button {
width: 50%;
margin: 0 8px;
padding: 10px 0;
font-size: 0.9em;
border: none;
border-radius: 34px;
-webkit-box-shadow: 0px 1px 13px rgba(0, 0, 0, 0.2);
box-shadow: 0px 1px 13px rgba(0, 0, 0, 0.2);
color: white;
font-weight: bold;
cursor: pointer;
}
.social #facebook {
background: #1F4788;
background: -webkit-gradient(linear, left top, right top, from(#4B77BE), to(#1F4788));
background: linear-gradient(to right, #4B77BE, #1F4788);
background-size: 100%;
}
.social #google {
background: #FEFEFE;
background: -webkit-gradient(linear, left top, right top, from(#FEFEFE), to(#f1f1f1));
```

```
background: linear-gradient(to right, #FEFEFE, #f1f1f1);
background-size: 100%;
color: #F71442;
}
p {
color: white;
text-align: center;
}
p a {
color: inherit;
text-decoration: none;
font-weight: bold;
}
/***** For Tablets *****/
@media screen and (min-width: 480px) {
.container-center {
width: 70%;
}
#login-btn {
padding: 0.8em 0;
font-size: 1.2em;
}
}
/***** For Desktop Monitors *****/
@media screen and (min-width: 768px) {
.container-center {
width: 500px;
}
}
</style>
</head>
<body>
```



```

<div class="container-center">
<center><h1>Change Your Password</h1></center>
<form action="/forgotpw" method="POST">
<h4>Enter your email and new password
</h4>
<br>
<formgroup>
<input type="text" name="email" id="email" placeholder="Email"/>

<span>enter your email</span>
</formgroup>
<formgroup>
<input type="text" name="password" id="password" placeholder="New Password"/>
<span>enter your new password</span>
</formgroup>
<br>
<input type="submit" id="login-btn" value="Reset">
</form>
<p>Did you remember? <a href="/login">Login</a></p>
</div>
</body>
</html>

```

#year.pdf

```

<!DOCTYPE html>
<html>
<head>
<title>Animated Login Form</title>
<link rel="stylesheet" type="text/css" href="..\static\css\login.css">
<link href="https://fonts.googleapis.com/css?family=Poppins:600&display=swap"
rel="stylesheet">
<script src="https://kit.fontawesome.com/a81368914c.js"></script>
<meta name="viewport" content="width=device-width, initial-scale=1">

```

```
</head>

<body >



<div class="container">

<div class="img">

<div id="png"><a href="/" title="HOME"></a></div>



</div>

<div class="login-content">

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

<div class="msg">{ { msg } }</div>



<h2 class="title">Welcome</h2>

<div class="input-div one">

<div class="i">

<i class="fas fa-user"></i>

</div>

<div class="div">

<input type="email" name="email" Placeholder="Email" class="input"
required>

</div>

</div>

<div class="input-div pass">

<div class="i">

<i class="fas fa-lock"></i>

</div>

<div class="div">

<input type="password" name="password" placeholder="Password"
class="input" required>
```

```
</div>
</div>
<a href="/forgot">Forgot Password?</a>
<input type="submit" class="btn" value="Login">
<br>
<br>
<div class="app" >
<p>Don't have an account? <a id="app1"
href="\signup">Signup</a></p></div>
</form>
</div>
</div>
<script type="text/javascript" src="login.js"></script>
</body>
</html>
```

#today.html

```
{% extends 'base.html' %}
{% block body %}
<div class="container ">

<div class="row">
<div class="col-md-5">
<h3 class="mt-5">Today Expense Breakdown</h3>

<div class="card shadow mb-2 bg-white rounded-pill">
<div class="card-body ">
<div class="row">
<div class="col-md-6">DATE</div>
<div class="col-md-6"> AMOUNT </div>
</div>
</div>
</div>
```

```
{% for row in texpanse %}
```

```
<div class="card shadow mb-2 bg-white rounded-bottom">
```

```
<div class="card-body ">
```

```
<div class="row">
```

```
<div id="ttime" class="col-md-6">{{ row [0] }}</div>
```

```
<div id="tamount" class="col-md-6"> {{ row[1] }} </div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
{% endfor %}
```

```
</div>
```

```
</div>
```

```
<section>
```

```
<div class="row">
```

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

```
<h3 class="mt-5">Expense Breakdown BY Category</h3>
```

```
<div class="card shadow mb-2 bg-white rounded-bottom">
```

```
<div class="card-body ">
```

```
<div class="row">
```

```
<div class="col-md-6">Food</div>
```

```
<div id="tfood" class="col-md-6"> {{ t_food }} </div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
<div class="card shadow mb-2 bg-white rounded">
```

```
<div class="card-body">
```

```
<div class="row">
```

```
<div class="col-md-6">Entertainment</div>
```

```
<div id="tentertainment" class="col-md-6"> {{ t_entertainment }} </div>
```

```
</div>
```

```
</div>
</div>
<div class="card shadow mb-2 bg-white rounded">
  <div class="card-body">
    <div class="row">
      <div class="col-md-6">Business</div>
      <div id="tbusiness" class="col-md-6"> {{ t_business }} </div>
    </div>
  </div>
</div>
</div>
<div class="card shadow mb-2 bg-white rounded">
  <div class="card-body">
    <div class="row">
      <div class="col-md-6">Rent</div>
      <div id="trent" class="col-md-6"> {{ t_rent }} </div>
    </div>
  </div>
</div>
<div class="card shadow mb-2 bg-white rounded">
  <div class="card-body">
    <div class="row">
      <div class="col-md-6">EMI</div>
      <div id="temi" class="col-md-6"> {{ t_EMI }} </div>
    </div>
  </div>
</div>
<div class="card shadow mb-2 bg-white rounded">
  <div class="card-body">
    <div class="row">
      <div class="col-md-6">Other</div>
      <div id="tother" class="col-md-6"> {{ t_other }} </div>
    </div>
  </div>
</div>
```

</div>

</div>

<div class="card shadow mb-2 btn-outline-danger rounded-pill">

<div class="card-body">

<div class="row">

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

<div class="col-md-6">₹ {{total}} </div>

</div>

</div>

</div>

</div>

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

<canvas id="myChart" width="400" height="400"></canvas>

<script>

let food = document.getElementById('tfood').innerHTML

let entertainment = document.getElementById('tentertainment').innerHTML

let business = document.getElementById('tbusiness').innerHTML

let rent = document.getElementById('trent').innerHTML

let emi = document.getElementById('temi').innerHTML

let other = document.getElementById('tother').innerHTML

var ctx = document.getElementById('myChart').getContext('2d');

var myChart = new Chart(ctx, {

type: 'doughnut',

data: {

labels: ['Food', 'Entertainment', 'Business', 'Rent', 'EMI', 'Other'],

datasets: [{

label: 'Expenses Chart',

data: [food, entertainment, business, rent, emi, other],

backgroundColor: [

'rgb(255, 99, 132)',

'rgb(0, 0, 0)',

'rgb(255, 205, 86)',

```
'rgb(201, 203, 207)',
'rgb(54, 162, 235)',
'rgb(215, 159, 64)'
],

}]
},
options: {
responsive: true,
plugins: {
legend: {
position: 'bottom',
},
title: {
display: true,
text: 'EXPENSE BREAKDOWN'
}
}
});
</script>
</div>
</div>
</div>
</section>
</div>
{% endblock %}
#signup.html
{% extends 'base.html' %}
{% block body %}
<div class="container ">
```

```

<div class="row">
  <div class="col-md-5">
    <h3 class="mt-5">MONTH Expense Breakdown</h3>

    <div class="card shadow mb-2 bg-white rounded-pill">
      <div class="card-body ">
        <div class="row">
          <div class="col-md-6"> DATE </div>
          <div class="col-md-6"> AMOUNT </div>
        </div>
        </div>
        </div>
        </div>
        { % for row in texpanse % }

    <div class="card shadow mb-2 bg-white rounded-bottom">
      <div class="card-body ">
        <div class="row">
          <div id="ttime" class="col-md-6">{{ row [0] }}</div>
          <div id="tamount" class="col-md-6"> {{ row[1] }} </div>
        </div>
        </div>
        </div>

        { % endfor % }
      </div>
    </div>
  <section>
    <div class="row">
      <div class="col-md-6">
        <h3 class="mt-5">Expense Breakdown BY Category</h3>
        <div class="card shadow mb-2 bg-white rounded-bottom">
          <div class="card-body ">

```



```
<div class="row">
<div class="col-md-6">Food</div>
<div id="tfood" class="col-md-6"> {{ t_food }} </div>
</div>
</div>
</div>
<div class="card shadow mb-2 bg-white rounded">
<div class="card-body">
<div class="row">
<div class="col-md-6">Entertainment</div>
<div id="tentertainment" class="col-md-6"> {{ t_entertainment }} </div>
</div>
</div>
</div>
<div class="card shadow mb-2 bg-white rounded">
<div class="card-body">
<div class="row">
<div class="col-md-6">Business</div>
<div id="tbusiness" class="col-md-6"> {{ t_business }} </div>
</div>
</div>
</div>
<div class="card shadow mb-2 bg-white rounded">
<div class="card-body">
<div class="row">
<div class="col-md-6">Rent</div>
<div id="trent" class="col-md-6"> {{ t_rent }} </div>
</div>
</div>
</div>
<div class="card shadow mb-2 bg-white rounded">
<div class="card-body">
```

```
<div class="row">
<div class="col-md-6">EMI</div>
<div id="temi" class="col-md-6">{{ t_EMI }} </div>
</div>
</div>
</div>
<div class="card shadow mb-2 bg-white rounded">
<div class="card-body">
<div class="row">
<div class="col-md-6">Other</div>
<div id="tother" class="col-md-6"> {{ t_other }} </div>
</div>
</div>
</div>
<div class="card shadow mb-2 btn-outline-danger rounded-pill">
<div class="card-body">
<div class="row">
<div class="col-md-6">Total</div>
<div class="col-md-6">₹ {{total}} </div>
</div>
</div>
</div>
</div>
</div>
<div class="col-md-6">
<canvas id="myChart" width="400" height="400"></canvas>
<script>
let food = document.getElementById('tfood').innerHTML
let entertainment = document.getElementById('tentertainment').innerHTML
let business = document.getElementById('tbusiness').innerHTML
let rent = document.getElementById('trent').innerHTML
let emi = document.getElementById('temi').innerHTML
let other = document.getElementById('tother').innerHTML
```

```
var ctx = document.getElementById('myChart').getContext('2d');
var myChart = new Chart(ctx, {
  type: 'doughnut',
  data: {
    labels: ['Food', 'Entertainment', 'Business', 'Rent', 'EMI', 'Other'],
    datasets: [{
      label: 'Expenses Chart',
      data: [food, entertainment, business, rent, emi, other],
      backgroundColor: [
        'rgb(255, 99, 132)',
        'rgb(0, 0, 0)',
        'rgb(255, 205, 86)',
        'rgb(201, 203, 207)',
        'rgb(54, 162, 235)',
        'rgb(215, 159, 64)'
      ],

    }]
  },
  options: {
    responsive: true,
    plugins: {
      legend: {
        position: 'bottom',
      },
      title: {
        display: true,
        text: 'EXPENSE BREAKDOWN'
      }
    }
  }
});
```

```
</script>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</section>
```

```
</div>
```

```
{% endblock % }
```

```
#month.html
```

```
{% extends 'base.html' % }
```

```
{% block body % }
```

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

```
<div class="row">
```

```
<div class="col-md-5">
```

```
<h3 class="mt-5">MONTH Expense Breakdown</h3>
```

```
<div class="card shadow mb-2 bg-white rounded-pill">
```

```
<div class="card-body ">
```

```
<div class="row">
```

```
<div class="col-md-6"> DATE </div>
```

```
<div class="col-md-6"> AMOUNT </div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
{% for row in texpanse % }
```

```
<div class="card shadow mb-2 bg-white rounded-bottom">
```

```
<div class="card-body ">
```

```
<div class="row">
```

```
<div id="ttime" class="col-md-6">{{ row [0] }}</div>
```

```
<div id="tamount" class="col-md-6"> {{ row[1] }} </div>
```

```
</div>
```

</div>

</div>

{% endfor %}

</div>

</div>

<section>

<div class="row">

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

<h3 class="mt-5">Expense Breakdown BY Category</h3>

<div class="card shadow mb-2 bg-white rounded-bottom">

<div class="card-body ">

<div class="row">

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

<div id="tfood" class="col-md-6"> {{ t_food }} </div>

</div>

</div>

</div>

<div class="card shadow mb-2 bg-white rounded">

<div class="card-body">

<div class="row">

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

<div id="tentertainment" class="col-md-6"> {{ t_entertainment }} </div>

</div>

</div>

</div>

<div class="card shadow mb-2 bg-white rounded">

<div class="card-body">

<div class="row">

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

<div id="tbusiness" class="col-md-6"> {{ t_business }} </div>

</div>

</div>

</div>

<div class="card shadow mb-2 bg-white rounded">

<div class="card-body">

<div class="row">

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

<div id="trent" class="col-md-6">{{ t_rent }} </div>

</div>

</div>

</div>

<div class="card shadow mb-2 bg-white rounded">

<div class="card-body">

<div class="row">

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

<div id="temi" class="col-md-6">{{ t_EMI }} </div>

</div>

</div>

</div>

<div class="card shadow mb-2 bg-white rounded">

<div class="card-body">

<div class="row">

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

<div id="tother" class="col-md-6">{{ t_other }}</div>

</div>

</div>

</div>

<div class="card shadow mb-2 btn-outline-danger rounded-pill">

<div class="card-body">

<div class="row">

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

<div class="col-md-6">₹ {{total}} </div>

</div>

```
</div>
```

```
</div>
```

```
</div>
```

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

```
<canvas id="myChart" width="400" height="400"></canvas>
```

```
<script>
```

```
let food = document.getElementById('tfood').innerHTML
```

```
let entertainment = document.getElementById('tentertainment').innerHTML
```

```
let business = document.getElementById('tbusiness').innerHTML
```

```
let rent = document.getElementById('trent').innerHTML
```

```
let emi = document.getElementById('temi').innerHTML
```

```
let other = document.getElementById('tother').innerHTML
```

```
var ctx = document.getElementById('myChart').getContext('2d');
```

```
var myChart = new Chart(ctx, {
```

```
type: 'doughnut',
```

```
data: {
```

```
labels: ['Food', 'Entertainment', 'Business', 'Rent', 'EMI', 'Other'],
```

```
datasets: [{
```

```
label: 'Expenses Chart',
```

```
data: [food, entertainment, business, rent, emi, other],
```

```
backgroundColor: [
```

```
'rgb(255, 99, 132)',
```

```
'rgb(0, 0, 0)',
```

```
'rgb(255, 205, 86)',
```

```
'rgb(201, 203, 207)',
```

```
'rgb(54, 162, 235)',
```

```
'rgb(215, 159, 64)'
```

```
],
```

```
}]
```

```
},
```

```
options: {
```

```
responsive: true,  
plugins: {  
  legend: {  
    position: 'bottom',  
  },  
  title: {  
    display: true,  
    text: 'EXPENSE BREAKDOWN'  
  }  
}  
});
```

```
</script>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</section>
```

```
</div>
```

```
{ % endblock % }
```

#login.html

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<title>Animated Login Form</title>
```

```
<link rel="stylesheet" type="text/css" href="..\static\css\login.css">
```

```
<link href="https://fonts.googleapis.com/css?family=Poppins:600&display=swap"  
rel="stylesheet">
```

```
<script src="https://kit.fontawesome.com/a81368914c.js"></script>
```

```
<meta name="viewport" content="width=device-width, initial-scale=1">
```

```
</head>
```



```

<body >

<div class="container">
<div class="img">
<div id="png"><a href="/" title="HOME"></a></div>

</div>
<div class="login-content">
<form action="/login" method="POST">
<div class="msg">{{ msg }}</div>

<h2 class="title">Welcome</h2>
<div class="input-div one">
<div class="i">
<i class="fas fa-user"></i>
</div>
<div class="div">

<input type="email" name="email" Placeholder="Email" class="input"
required>
</div>
</div>
<div class="input-div pass">
<div class="i">
<i class="fas fa-lock"></i>
</div>
<div class="div">

<input type="password" name="password" placeholder="Password"
class="input" required>
</div>

```

```

</div>
<a href="/forgot">Forgot Password?</a>
<input type="submit" class="btn" value="Login">
<br>
<br>
<div class="app" >
<p>Don't have an account? <a id="app1"
href="\signup">Signup</a></p></div>
</form>
</div>
</div>
<script type="text/javascript" src="login.js"></script>
</body>
</html>

```

#limit.html

```

{% extends 'base.html' %}
{% block 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>
<input class="btn btn-warning" type="submit" name="ENTER"/>
</span>
</form>
{% endblock %}

```

#add.html

```

{% extends 'base.html' %}
{% block body %}
<style>
body{
overflow: hidden;
}

```

```
</style>
<div class="container">
  <div class="row">
    <div class="col-md-6">
      <br>
      <br>
      <br>
      <h3>Add Expense</h3>
      <form action="/addexpense" method="POST">

        <div class="form-group">
          <br>
          <label for="">Date</label>
          <input class="form-control" type="date" 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: 590px; top: -460px;" class="image">

</div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
{% endblock %}
```

#display.html

```
{% extends 'base.html' %}
```

```
{% block body %}
```

```

<div class="container ">
  <h3 class="mt-3">EXPENSES</h3>
  {% if expense is defined %}
  {% for row in expense %}

  <div class="row">

  <div class="col-md-12">
    <div class="card shadow-sm mb-2 bg-white rounded"></div>
    <div class="card-body">

    <div class="row">
      <div class="col-md-2">

      <span class="btn btn-outline-dark">{{ row[1] }}</span> </div>
      <div class="col-md-2 mt-3"><H6>{{ row[2] }}</H6></div>
      <div class="col-md-2 mt-3"> ₹<span style="color: rgb(255, 0, 0)"> {{ row[3] }} </div>
      <div class="col-md-2 mt-3">
        <span class="badge badge-pill badge-info">{{ row[4] }}</span>
      </div>
      <div class="col-md-2 mt-3">
        <span class="badge badge-primary">{{ row[5] }}</span>
      </div>
      <div class="col-md-1 mt-3">
        <a href="/edit/{{ row[6] }}" class="btn btn-sm btn-success">Edit</a>
      </div>
      <div class="col-md-1 mt-3">
        <a href="/delete/{{ row[6] }}" class="btn btn-sm btnDelete btn-success">Delete</a>
      </div>

    </div>
  </div>
  </div>

```

</div>

</div>

<!--when no DATA-Found-->

{% else %}

<div class="card shadow-sm mb-2 bg-white rounded"></div>

<div class="card-body">

<div style="text-align: center ; font-family: monospace; color:red ; "><h5> ADD-DATA

 to Display</h3></div>

</div>

{% endfor %}

{% endif %}

<div class="row">

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

<h3 class="mt-5">Expense Breakdown</h3>

<div class="card shadow mb-2 bg-white rounded-bottom">

<div class="card-body ">

<div class="row">

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

<div id="tfood" class="col-md-6"> {{ t_food}} </div>

</div>

</div>

</div>

<div class="card shadow mb-2 bg-white rounded">

<div class="card-body">

<div class="row">

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

<div id="tentertainment" class="col-md-6"> {{ t_entertainment}} </div>

</div>

</div>

</div>

<div class="card shadow mb-2 bg-white rounded">

```
<div class="card-body">
<div class="row">
<div class="col-md-6">Business</div>
<div id="tbusiness" class="col-md-6"> {{ t_business }} </div>
</div>
</div>
</div>

<div class="card shadow mb-2 bg-white rounded">
<div class="card-body">
<div class="row">
<div class="col-md-6">Rent</div>
<div id="trent" class="col-md-6"> {{ t_rent }} </div>
</div>
</div>
</div>

<div class="card shadow mb-2 bg-white rounded">
<div class="card-body">
<div class="row">
<div class="col-md-6">EMI</div>
<div id="temi" class="col-md-6">{{ t_EMI }} </div>
</div>
</div>
</div>

<div class="card shadow mb-2 bg-white rounded">
<div class="card-body">
<div class="row">
<div class="col-md-6">Other</div>
<div id="tother" class="col-md-6"> {{ t_other }} </div>
</div>
</div>
</div>

<div class="card shadow mb-2 btn-outline-danger rounded-pill">
```

```
<div class="card-body">
<div class="row">
<div class="col-md-6">Total</div>
<div class="col-md-6">₹ {{total}} </div>
</div>
</div>
</div>
</div>
<div class="col-md-6">
<canvas id="myChart" width="400" height="400"></canvas>
<script>
let food = document.getElementById('tfood').innerHTML
let entertainment = document.getElementById('tentertainment').innerHTML
let business = document.getElementById('tbusiness').innerHTML
let rent = document.getElementById('trent').innerHTML
let emi = document.getElementById('temi').innerHTML
let other = document.getElementById('tother').innerHTML
var ctx = document.getElementById('myChart').getContext('2d');
var myChart = new Chart(ctx, {
type: 'doughnut',
data: {
labels: ['Food', 'Entertainment', 'Business', 'Rent', 'EMI', 'Other'],
datasets: [{
label: 'Expenses Chart',
data: [food, entertainment, business, rent, emi, other],
backgroundColor: [
'rgb(255, 99, 132)',
'rgb(0, 0, 0)',
'rgb(255, 205, 86)',
'rgb(201, 203, 207)',
'rgb(54, 162, 235)',
'rgb(215, 159, 64)'
```



```
],

}]

},

options: {
  responsive: true,
  plugins: {
    legend: {
      position: 'bottom',
    },
    title: {
      display: true,
      text: 'EXPENSE BREAKDOWN'
    } }
  });
</script>
</div>
</div>
</div>

{% endblock %}
```

#edit.html

```
{% extends 'base.html' %}

{% block body %}

<div class="container">

  <div class="row">

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

      <h3>Edit Expense</h3>

      <form action="/update/{{ expenses[6] }}" method="POST">

        <input type="hidden" class="form-control" name="" value = "{{ expenses[6] }}" id="">

        <div class="form-group">

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

```
<input class="form-control" type="date" name="date" value="{{expenses[1]}}"
id="date"></div>
<script type="text/javascript">
var d = new Date(value="{{expenses[1]}}" );
var elem = document.getElementById("date");
elem.value = d.toISOString().slice(0,16);
</script>
<div class="form-group"> <label for="">Expense name</label>
<input class="form-control" type="text" name="expensename" value="{{expenses[2]}}"
id="expensename">
</div>
<div class="form-group">
<label for="">Expense Amount</label>
<input class="form-control" type="number" min="0" name="amount"
value="{{expenses[3]}}" id="amount">
</div>
<div class="form-group">
<label for=""></label>
<select class="form-control" name="paymode" value="{{expenses[4]}}" id="paymode">
<option selected hidden>{{expenses[4]}}</option>
<option value="cash">cash</option>
<option value="debitcard">debitcard</option>
<option value="creditcard">creditcard</option>
<option value="epayment">epayment</option>
<option value="onlinebanking">onlinebanking</option>
</select> <div class="form-group">
<label for=""></label>
<select class="form-control" name="category" value="{{expenses[5]}}" id="category">
<option selected hidden>{{expenses[5]}}</option>
<option value="food">food</option>
<option value="entertainment">Entertainment</option>
<option value="business ">Business</option>
```

```

<option value="rent">Rent</option>
<option value="EMI">EMI</option>
<option value="other">other</option>
</select> </div>

<input class="btn btn-danger" type="submit" value="Update" id="">
</form> </div>

</div></div>

{% endblock %}

```

Advantages:

1. **You have no control over your money** If you don't check your spending and create a budget, you will have no control whatsoever on your money. Instead, money will control you, and you will either have perpetual lack of funds or you will end up steeped in debt. A money manager app helps you decide between short-term and long-term spending.
2. **You have no financial goals:** If you are spending money frivolously, you will not have money to set financial goals. However, when you have a daily expense manager, you will be able to work with limited resources and use your money in a wise manner so that you can create financial goals and ensure you meet them.
3. **You are unaware what is happening with your money:** If you are clueless about how much is your inflow and how much you are spending; you will not know at the end of the month what happened to your money. An expense tracker helps you figure out what is happening to your money, and whether you can afford something you want.
4. **You spend and save in a haphazard manner:** If you don't have great financial management skills, you will not know how to categorize your expenses. However, tracking your expenses and budgeting them will help you become aware of how much you have to allocate to each expense category, and if you are short, you will be able to make adjustments with ease.
5. **You have no clue about making your money work for you:** In this day and age, when expenses are going through the roof, it has become crucial that you learn to make your money work for you so that you can create a nest egg for the future.
6. **You don't have funds for emergencies** Remember, emergencies come when you least expect. Hence, if you don't have money stashed away for a rainy day, you will end up borrowing from family and friends. This way you could get into debt that will be difficult to pay back due to your poor money management skills

Disadvantages:

Your information is less secure, and probably being used and sold. If the service is free, then the product is you. Mint.com, like other financial apps, is a free service. They have to pay their bills somehow, so regardless of what their privacy policy may or may not say, just assume that your spending history and trends are going to be recorded and analysed, by someone, somewhere. Now, you shouldn't have to worry about credit card fraud or identity theft, these companies are large enough and secure enough that you'll never have to worry about something like that. Just recognize that your information, most likely anonymous, will be used and potentially even sold. Personally, I have no problem with that, but if you do, then make sure you avoid these types of services. Automating everything to do with your finances can make you financially lazy. If your bills are paid automatically and your finances are track automatically, then what is there left for you to do? Not a lot, to be honest. So you might stop caring about what you're spending and where your money is going. Eventually you may look at your Mint data and realize that you've blown your budget over the last two months, but by then it is too late. So if you do choose to use this program, ensure that you are also being diligent in checking in on your finances. Set up a weekly or biweekly check for yourself to go through your finances and hit on all the important points.

Conclusion:

After making this application we assure that this application will help its users to manage the cost of their daily expenditure. It will guide them and aware them about their daily expenses. It will prove to be helpful for the people who are frustrated with their daily budget management, irritated because of amount of expenses and wishes to manage money and to preserve the record of their daily cost which may be useful to change their way of spending money. In short, this application will help its users to overcome the wastage of money

GitHub Link:

<https://github.com/IBM-EPBL/IBM-Project-29655-1660128156>

Project Demo Link: