PERSONAL EXPENSE TRACKER APPLICATION

PROJECT REPORT

Team ID: PNT2022TMID03107

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ABSTRACT

Tracking regular expense is a key factor to maintain a budget. People often track expense using pen and paper method or take notes in a mobile phone or a computer. These processes of storing expense require further computations and processing for these data to be used as a trackable record. In this work, we are proposing an automated system to store and calculate these data. It is an application that runs on Android smartphones. By using this application, users can save their expense by simply scanning the bills or receipt copies. This application extracts the textual information from the receipts and saves the amount and description for further processing. It also monitors user's income by tracking the received SMS's from the user's saving accounts. By calculating income and expense it produces the user's balance in monthly and yearly basis. Overall, this is a smart automated solution for tracking expense.

1.INTRODUCTION:

1.1 PROJECT OVERVIEW:

When it comes to tracking expenses, you can make your system as simple as collecting receipts and organizing them once a month.

You might get a little more information from other expense tracking systems (listing them in a spreadsheet, using money management software or even choosing an online application), but all methods have one thing in common: you have to get in the habit of thinking about your expenses.

It's very easy to misplace a receipt or forget about any cash you spent. You may even think that a cup of coffee or a trip to the vending machine isn't worth tracking — although those little expenses can add up amazingly fast.

There are all sorts of opportunities to throw a kick into your plan to track expenses. You have to get in the habit of doing so, to reduce those lapses, and make sure that the data you're basing financial decisions on is solid.

This project will request the clients to add their expenses and in view of their costs, wallet status will be refreshed which will be noticeable to the client.

- The user interacts with the application.

- Application will ask users to add their expenses and based on 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 opinion 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 email alert.
- Setting up Application Environment
- Create Flask Project
- Work with IBM Cloud CLI, Docker CLI, Sendgrid
- Implementation of Web Application
- Create UI to Interact with the application
- Connect IBM DB2 with Python Integration of Sendgrid Service with Python
- Deployment if Cloud Application

- Containerize the application
- Upload Image in IBM Container directory
- Deploy on Kubernetes Cluster

1.2 PURPOSE:

- Help the people to track their expenses.
- Alert users when they exceed the limit of their budget.
- A personal finance app will not only help you with budgeting and accounting but also give you helpful insights about financial management.

2. LITERATURE SURVEY:

2.1 EXISTING PROMBLEM:

- Lack of visual analytics for visual data.
- Lack of support for splitting up group expenses.
- Most of the applications are used only for personal use.
- Most of the applications does not incorporate shared group expenses.
- Efforts has to be made to include each and every transactions into the input field.

2.2 REFERENCES:

TITLE: Expense Tracker: A Smart Approach to Track Everyday Expense(Year 2020

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

SUMMARY:

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

TITLE: Budget Estimator Android Application (Year 2019)

AUTHOR: Namita Jagtap, Priyanka Joshi, Aditya Kamble

SUMMARY:

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

TITLE: Voice Controlled Web Application (Year 2022)

AUTHOR: Raj Gandhi, Romil Desai, Marmik Modi, Dr. Suvarna Pansambal

Voice or speech recognition systems allow a user to make a hands-free requestto the computer, which in turn processes the request and serves the user with appropriate responses. A voice-controlled system embedded in a web application can enhance user experience and can provide voice as a means to control the functionality.

AUTHOR: Saad, Hashim

SUMMARY:

Barcode became essential elements in sales and products services due to importance of keeping records of all items in on place. For this purpose, thereare many methods implemented to make the barcode reading process becameeasier to users. This survey deals to develop a barcode recognition system byusing image processing. The system will be able to read barcode through an image and the system capable to capture the image by using a webcam.

TITLE: Barcode Scanning in Android Applications (Year 2015)

AUTHOR: J. Vidhya and K. John Singh

SUMMARY:

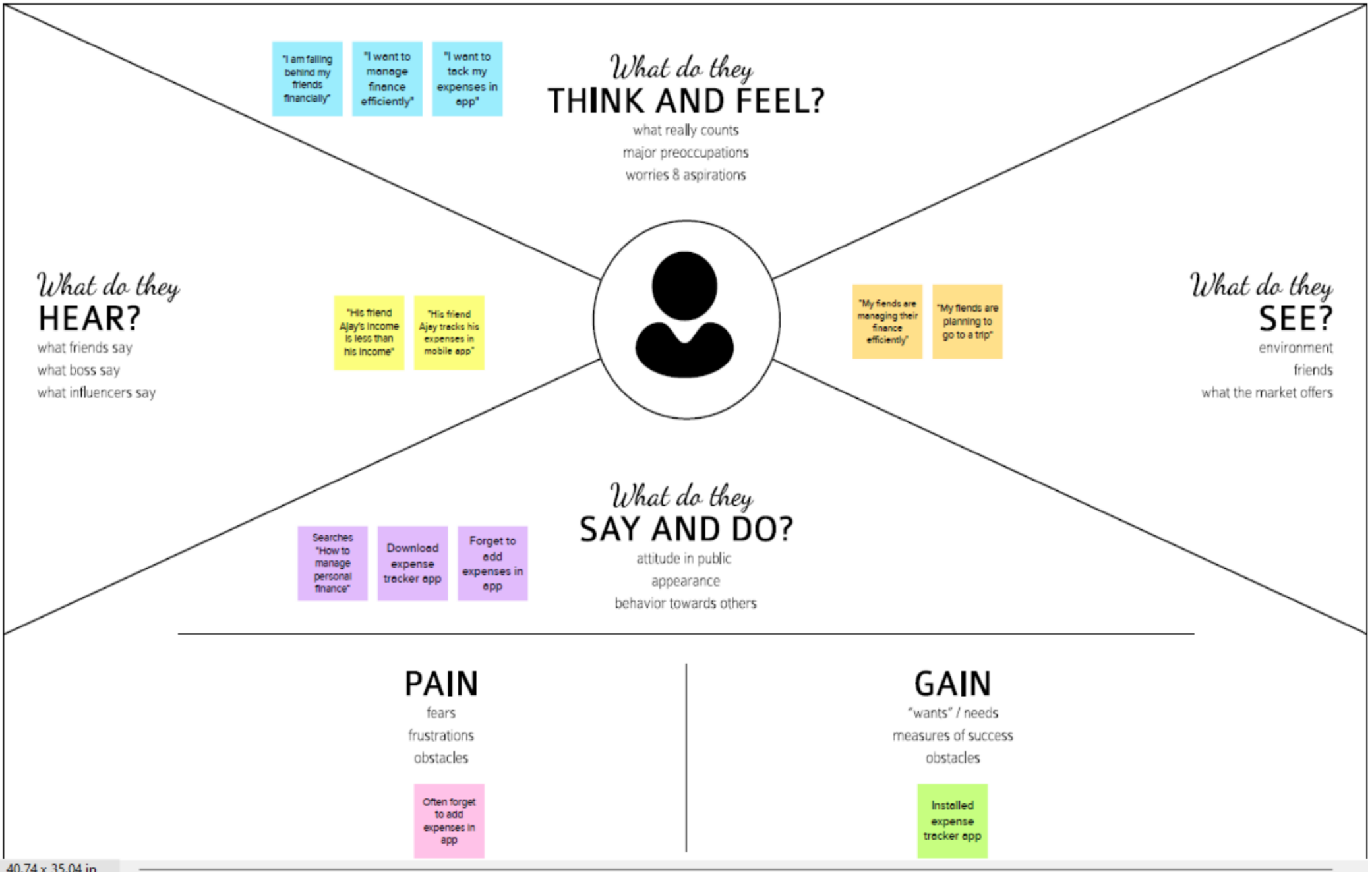
The convenience of imaging phones affords people the mobile raised area for interpreting barcode rather than the usage of the conservative scanner which leads to lack of mobility. Though, the short-reserve capture of barcodes throughan imaging phone

2.3 PROMBLEM STATEMENT:

Who does the problem affect?	Investors, savers, big spenders, debtors ,shoppers, budget conscious consumers.
What are the boundaries of the problem?	Expense tracker for working individuals, students, common people.
What is the issue?	To be vigilant about the expense spent, increases financial stress. Being indecisive about the finances may result in less financial security and exceed the budget.
When does this issue occur?	When using wrong budgeting techniques. When not tracking the expenses doesn't help you to know the amount that is actually spent.
Where is the issue occurring?	Working individuals who find it difficult to track their expenses
Why is it important that we fix the problem?	Fixing this issue, brings accountability and helps to be intentional with the income by assign it to spending, saving and giving. This leads to financial stability.

3. IDEATION AND PROPOSED SOLUTION:

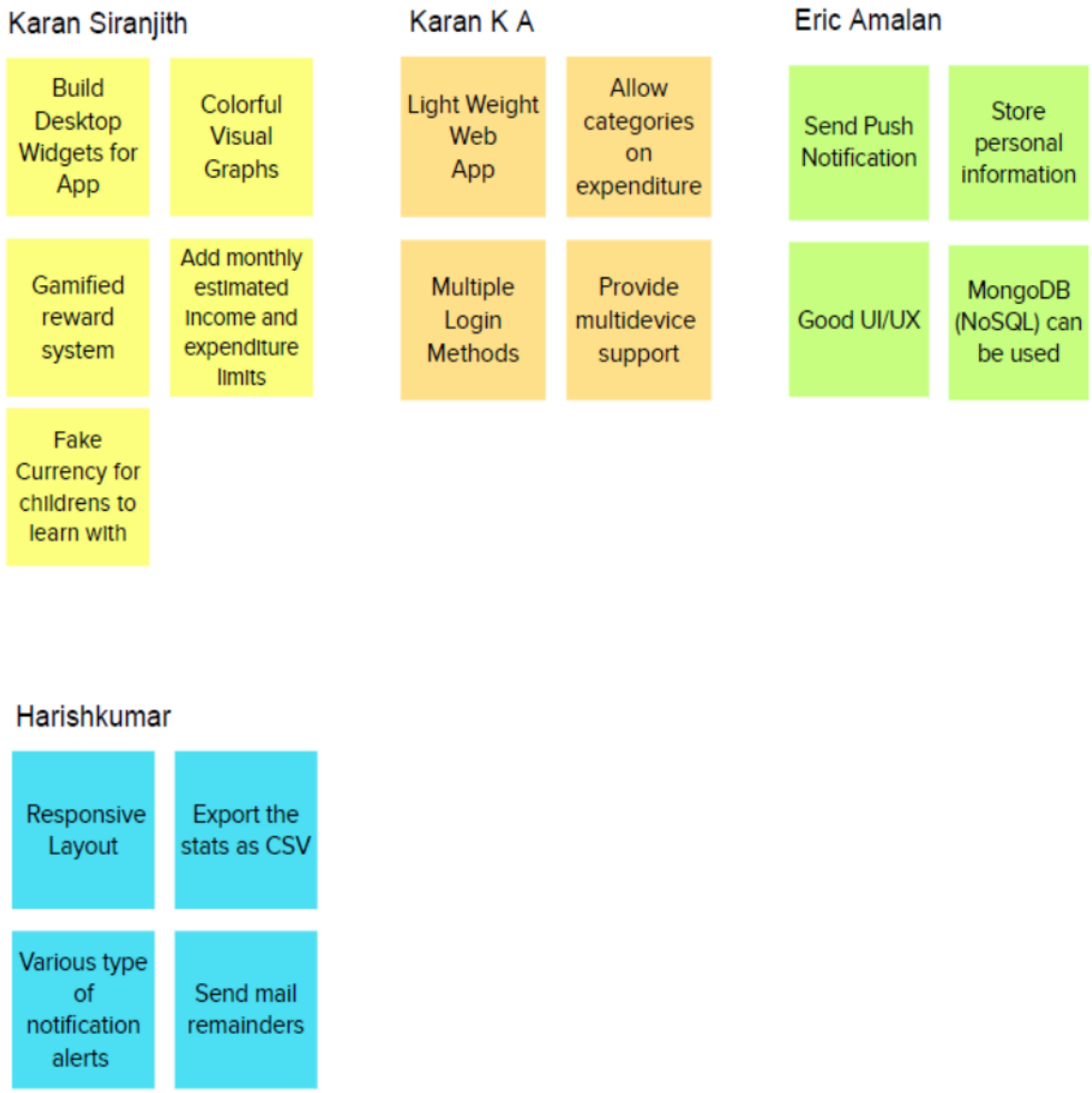
3.1 EMPATHY MAP CANVAS:



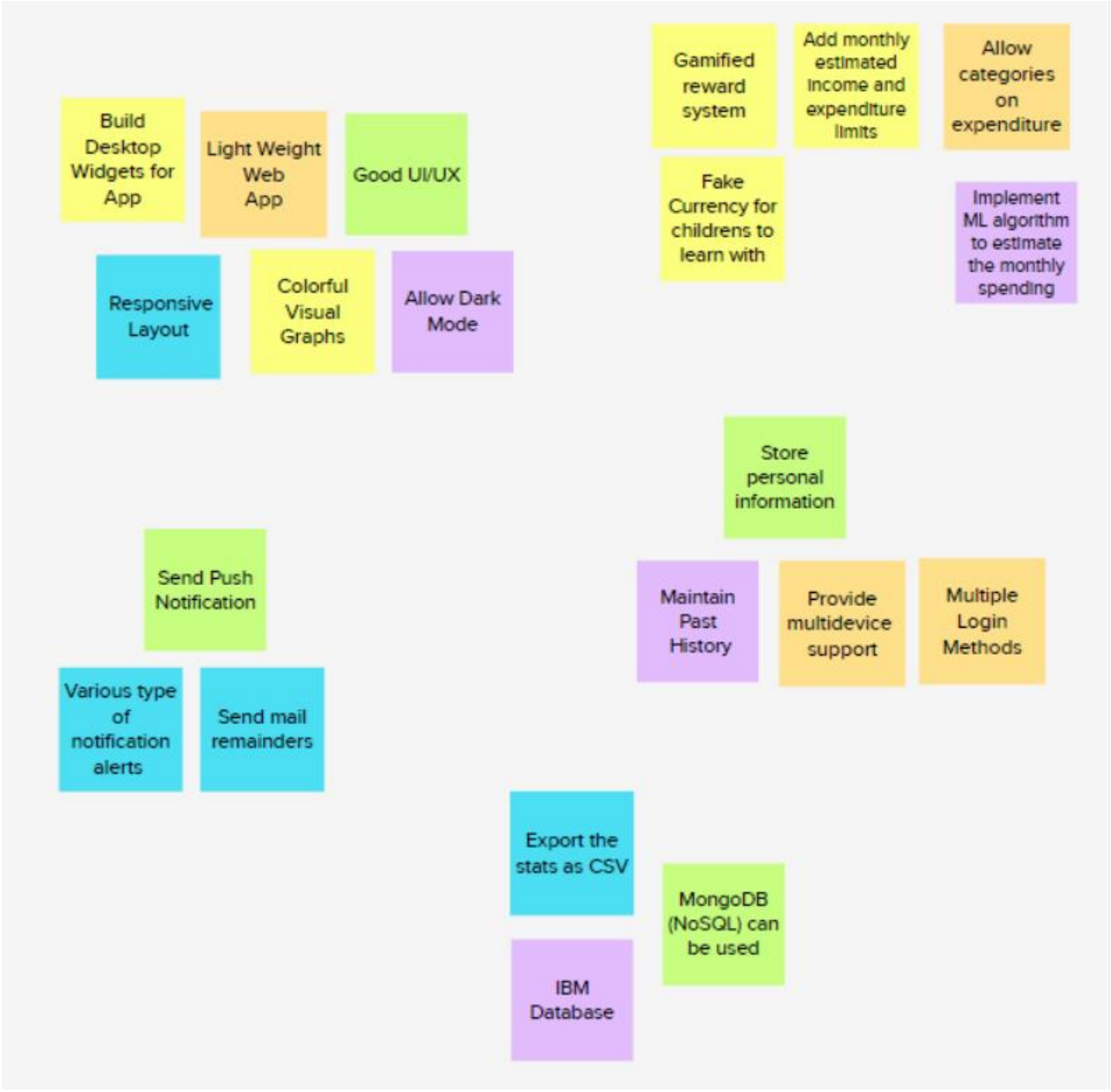
40.74 x 35.04 in

3.2 IDEATION & BRAINSTORMING:

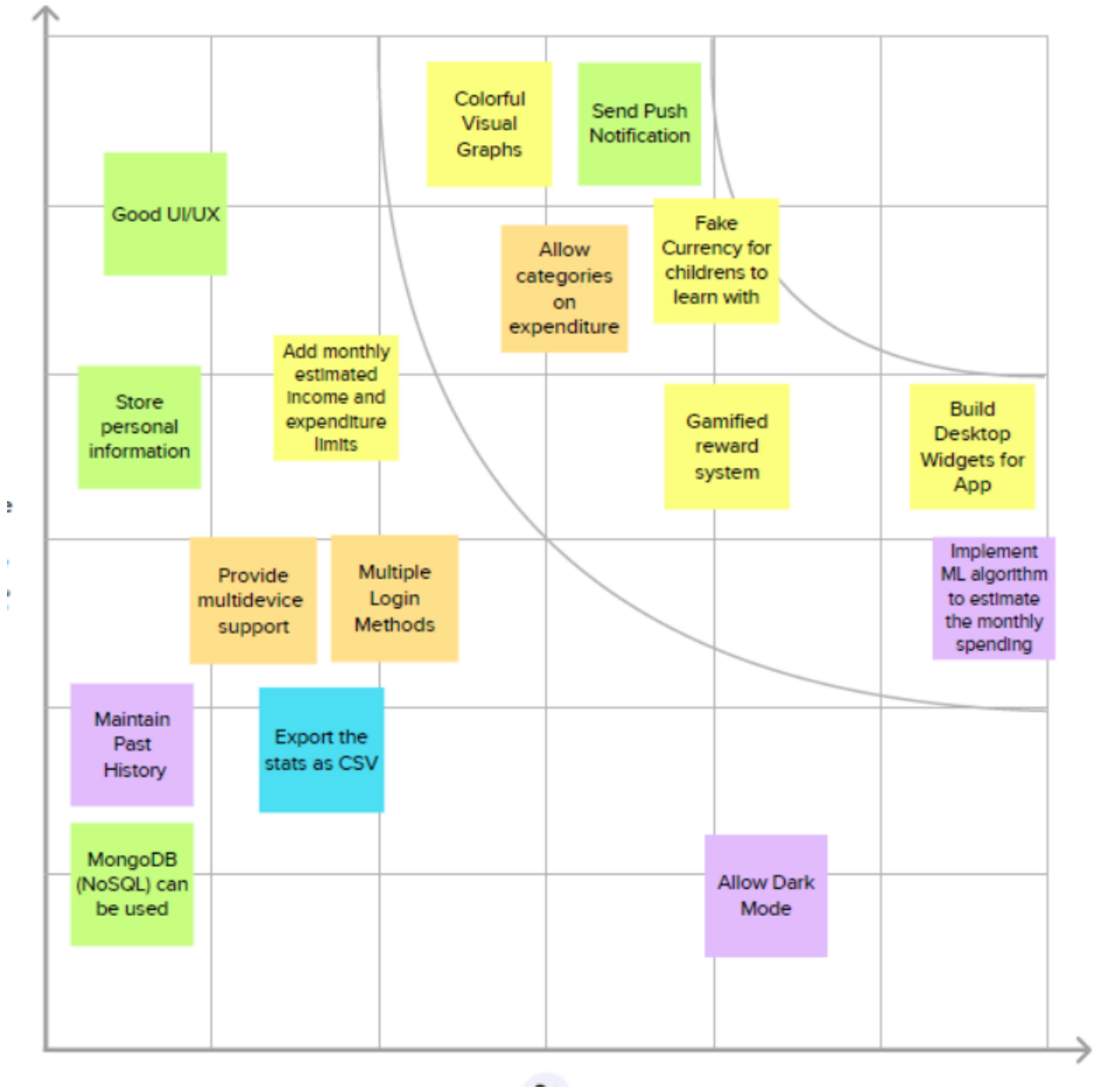
BRAINSTORMING:



GROUP IDEAS:


Gamified reward system
Add monthly estimated income and expenditure limits
Allow categories on expenditure
Build Desktop Widgets for App
Light Weight Web App
Good UI/UX
Fake Currency for childrens to learn with
Implement ML algorithm to estimate the monthly spending
Responsive Layout
Colorful Visual Graphs
Allow Dark Mode
Store personal information
Send Push Notification
Maintain Past History
Provide multidevice support
Multiple Login Methods
Various type of notification alerts
Send mail remainders
Export the stats as CSV
MongoDB (NoSQL) can be used
IBM Database

PRIORITIZE:


Colorful Visual Graphs
Send Push Notification
Good UI/UX
Fake Currency for childrens to learn with
Allow categories on expenditure
Add monthly estimated income and expenditure limits
Store personal information
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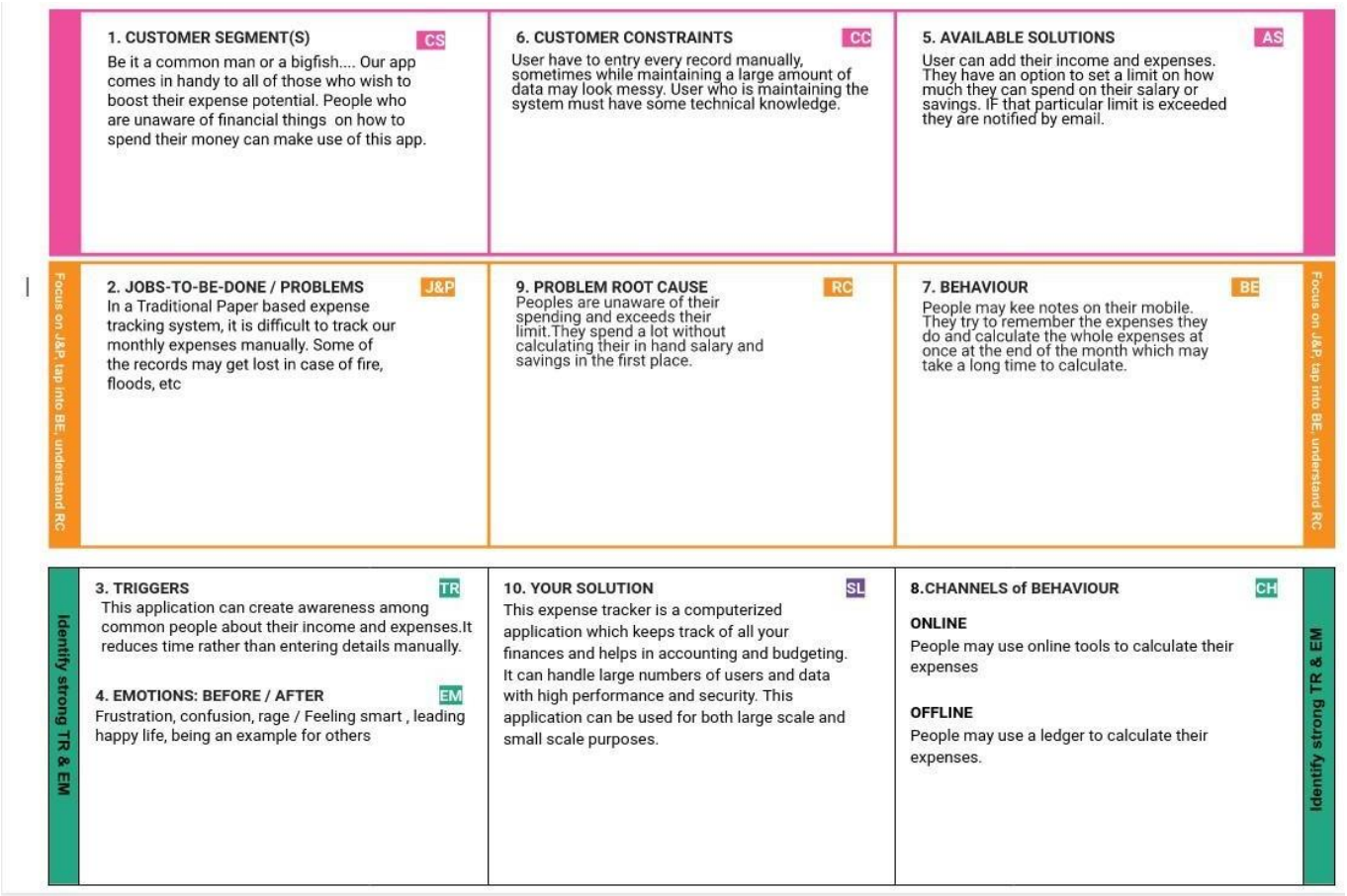
Build Desktop Widgets for App
Provide multidevice support
Multiple Login Methods
Implement ML algorithm to estimate the monthly spending
Maintain Past History
Export the stats as CSV
MongoDB (NoSQL) can be used
Allow Dark Mode

3.3 PROPOSED SOLUTION:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	In a Traditional Paper based expense tracking system, it is difficult to track our monthly expenses manually. Some of the records may get lost in case of fire, floods, etc. We are trying to solve this problem in a more efficient way.
2.	Idea / Solution description	This expense tracker is a computerised application which keeps track of all your finances and helps in accounting and budgeting.
3.	Novelty / Uniqueness	The User gets notified once their expense touches 50% 75% 90% & 100% of their limits. Display the costs on a monthly and weekly basis in a pie chart.
4.	Social Impact / Customer Satisfaction	This Application is able to generate reports of their spendings. It can create awareness among common people about finance.It makes users financially responsible and satisfy them without letting them to debt.
5.	Business Model (Revenue Model)	As this project is intended purely for educational purposes, we keep this application free of cost.
6.	Scalability of the Solution	This Application can handle large numbers of users and data with high performance and security. This application can be used for both large scale and small scale purposes.

3.4 PROPOSED SOLUTION FIT:



4. REQUIREMENT ANALYSIS:

4.1 FUNCTIONAL REQUIREMENT:

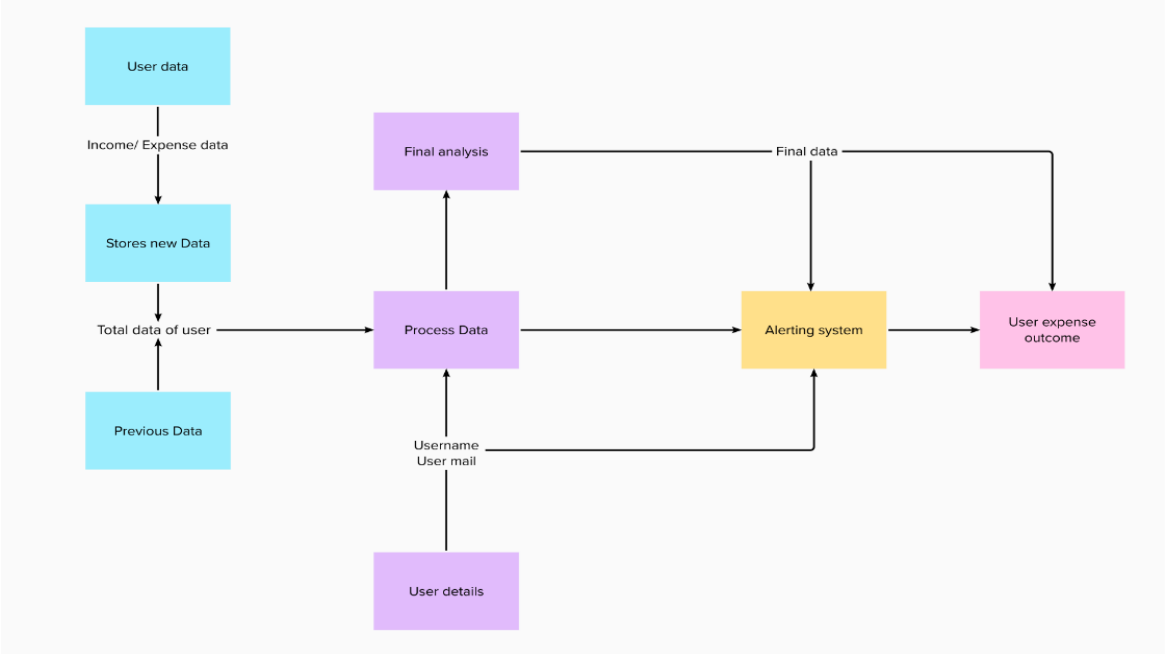
FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Registration through Form Registration through Gmail Registration through Email Account
FR-2	User Confirmation	Confirmation via Email
FR-3	Calendar	Personal expense tracker application must allowuser to add the data to their expenses.
FR-4	Graphical Representation	This application should graphically represent theexpense in the form of report.
FR-5	Report Generation	Graphical representation of report must begenerated.
FR-6	Category	This application shall allow users to add categoriesof their expenses.

4.2 NONFUNCTIONAL REQUIREMENT:

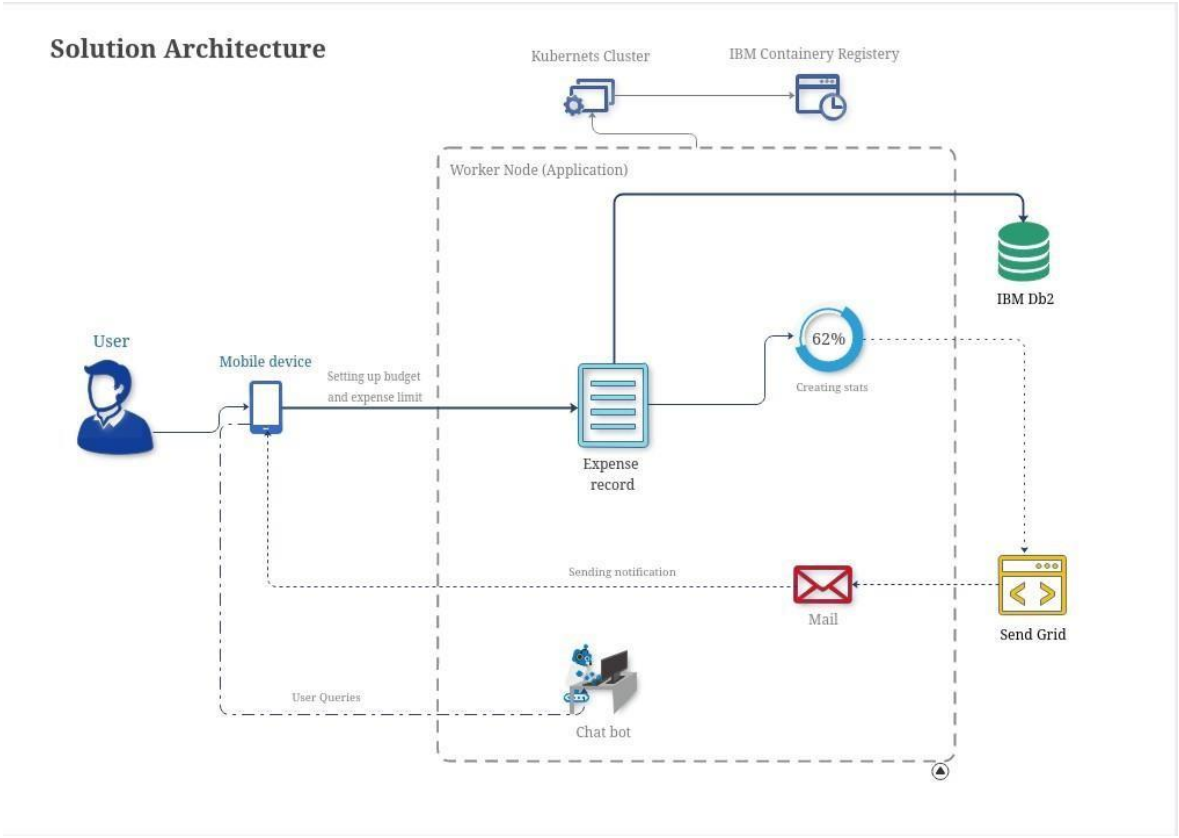
FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Helps to keep an accurate record and track oftheir income and expenses easily.
NFR-2	**Security**	We save the password in the encrypted form so itwill add more secure to the application user.
NFR-3	**Reliability**	Each data record is stored on a well-built efficientdatabase schema. There is no risk of data loss.
NFR-4	**Performance**	Expense kinds include categories and an option.The system's throughput is boosted because to the lightweight database support.
NFR-5	**Availability**	User can able to access the application with thehelp of the internet throw the web browser.
NFR-6	**Scalability**	The ability to appropriately handle increasingdemands.

5. PROJECT DESINGING:

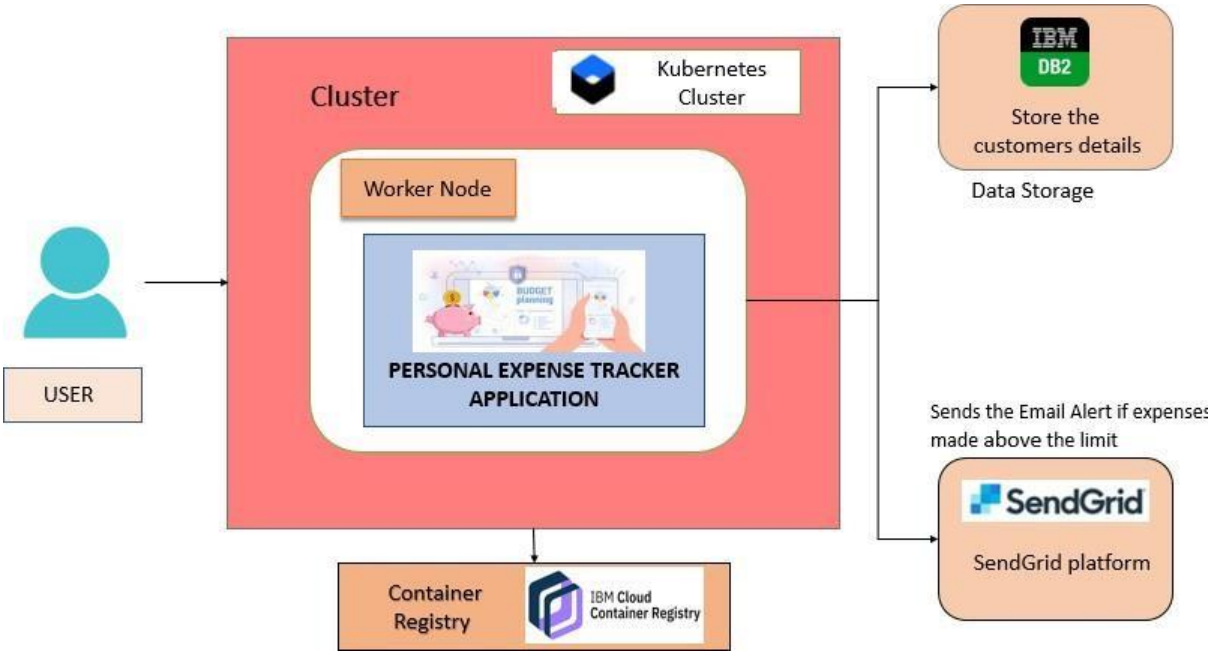
5.1 DATAFLOW DIAGRAM:



5.2 SOLUTION AND TECHNICAL ARCHITECTURE:



Technology Architecture:



5.3 USER STORIES:

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Mobile user)	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirmingmy password.	I can access my account /dashboard	High	Sprint-1
	Login	USN-2	As a user, I can register for the applicationthrough Gmail	I can access my account/dashboard.	High	Sprint-1
	Dashboard	USN-3	As a user, I can log into the application byentering email & password	I get all the info needed inmy dashboard.	Low	Sprint-2
	Order creation	USN-4	As a customer, I can place my order withthe detailed description of my query	I can ask my query	Medium	Sprint-2
	Forgot password	USN-5	As a customer, I can reset my password bythis option in case I forgot my old password.	I get access to my accountagain	High	Sprint-3
	Order details	USN-6	As a Customer, I can see the current stats oforder.	I get better understanding	Medium	Sprint-4
Agent (Web user)	Login	USN-1	As an agent I can login to the application byentering correct email and password	I can access my account/dashboard	Medium	Sprint-3
	Dashboard	USN-2	As an agent I can see the order detailsassigned to me by admin	I can see the tickets to which I could answer	High	Sprint-3
	Address column	USN-3	As an agent I get to have conversation withthe customer and clear his/her doubts	I can clarify issues	High	Sprint-3
	Forgot password	USN-4	As an agent I can reset my password by this option In case I forgot my old password	I get to access to my account again	Medium	Sprint-4
Admin user (mobile user and web user)	Login	USN-1	As a admin, I can login to the application byentering email and password	I can access my account/dashboard	High	Sprint-1
	Dashboard	USN-2	As an admin I can see all the orders raised inthe entire system and lot more	I can assign agents by seeing those order.	High	Sprint-1
	Agent creation	USN-3	As an admin I can create an agent for clarifying the customers queries	I can create agents	High	Sprint-2
	Assignment agent	USN-4	As an admin I can assign an agent for eachorder created by the customer.	Enable agent to clarify thequeries.	High	Sprint-1

	Forgot password	USN-5	As an admin I can reset my password by thisoption in case I forgot my old password.	I get access to account	High	Sprint-1

6. PROJECT PLANNING AND SCHEDULING:

6.1 SPRINT PLANNING AND ESTIMATION:

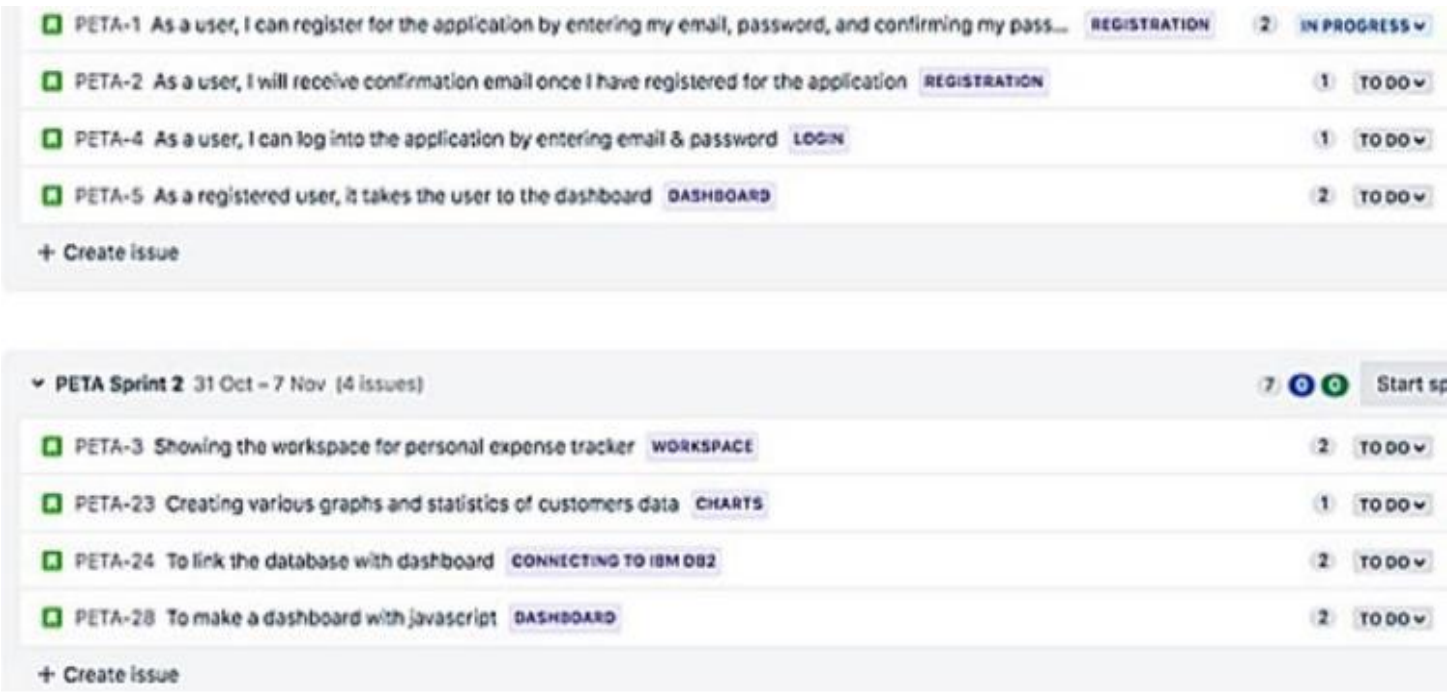
Sprint	Functional Requirement (Epic)	User Story Numb er	User Story / Task	Story Points	Priority	Tea m Me mbe rs
Sprint-1	Registration	US N-1	As a user, I can register for the application by entering my email, password, and confirming mypassword.	2	High	Karan Siranjith M
Sprint-1		US N-2	As a user, I will receive confirmation email once Ihave registered for the application	1	High	Karan K A
Sprint-1	Login	US N-3	As a user, I can register for the application throughGmail	1	High	Eric Amalan
Sprint-1	Dashboard	US N-4	As a user, I can log into the application by enteringemail & password	2	High	Harishkumar
Sprint-2	Workspace	US N-1	Workspace for personal expense tracking	2	High	Karan Siranjith M
Sprint-2	Charts	US N-2	Creating various graphs and statistics ofcustomer's data	1	Medium	Karan K A
Sprint-2	Connecting to IBM DB2	US N-3	Linking database with dashboard	2	High	Eric Amalan
Sprint-2		US N-4	Making dashboard interactive with JS	2	High	Harishkumar
Sprint-3		US N-1	Wrapping up the server side works of frontend	1	Medium	Karan Siranjith M
Sprint-3	Watson Assistant	US N-2	Creating Chatbot for expense tracking and for calrifying user's query	1	Medium	Karan K A
Sprint-3	SendGrid	US N-3	Using SendGrid to send mail to the user about	1	Low	Eric Amalan
Sprint-3		US N-4	Integrating both frontend and backend	2	High	Harishkumar
Sprint-4	Docker	US N-1	Creating image of website using docker	2	High	Karan Siranjith M
Sprint-4	Cloud Registry	US N-2	Uploading docker image to IBM Cloud registry	2	High	Karan K A
Sprint-4	kubernetes	US N-3	Create container using the docker image and hosting the site	2	High	Eric Amalan
Sprint-4	Exposing	US N-4	Exposing IP/Ports for the site	2	High	Harishkumar

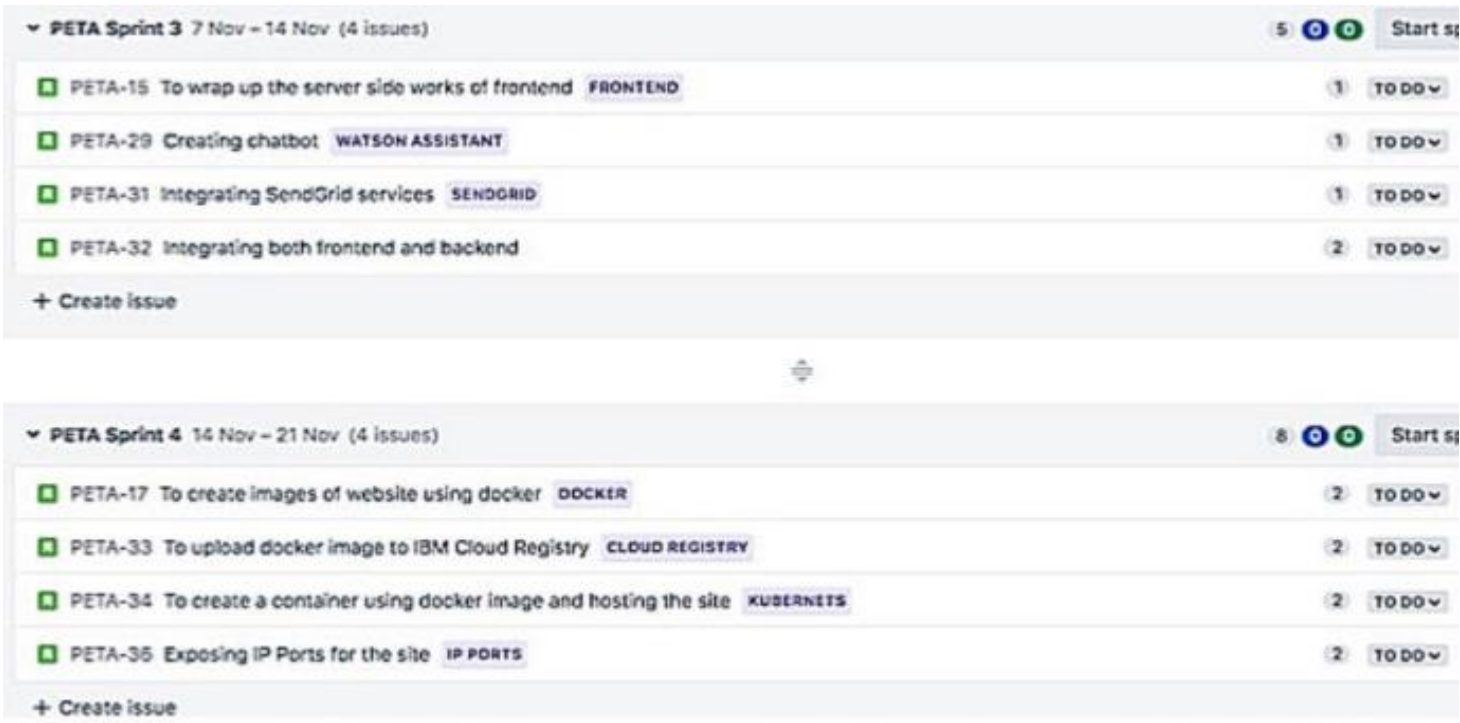
6.2 SPRINT DELIVERY PLAN:

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	2 Days	12 Nov 2022	14 Nov 2022	20	14 Nov 2022

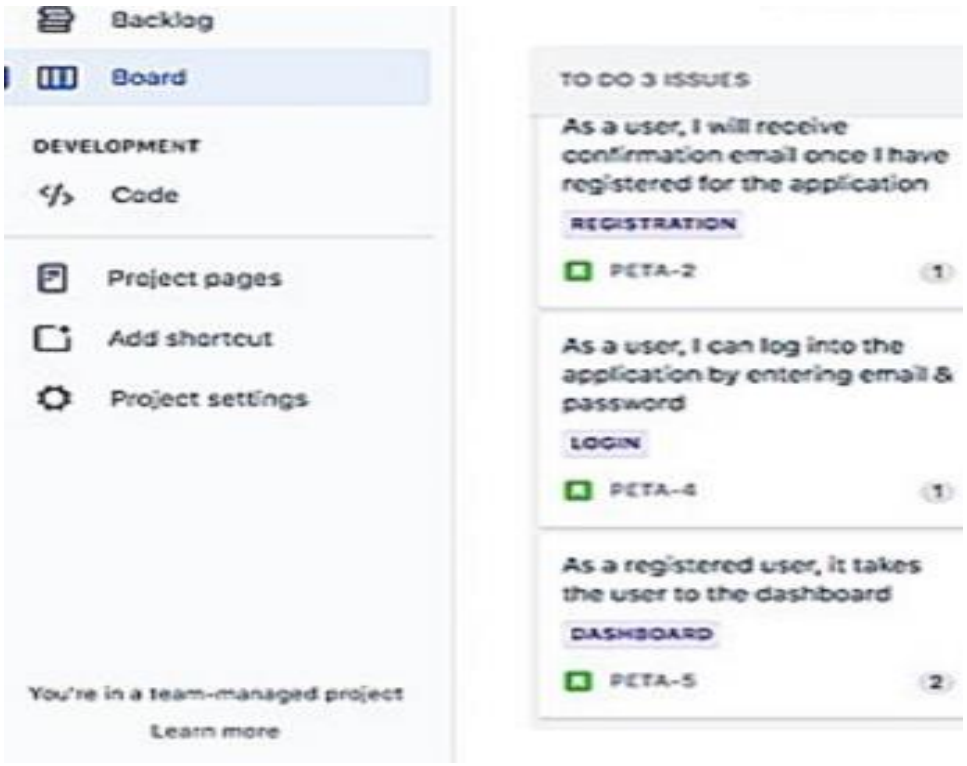
6.3 REPORTS FROM JIRA:

BACKLOG:




PETA Sprint 3 7 Nov – 14 Nov (4 issues)
PETA-15 To wrap up the server side works of frontend FRONTEND
PETA-29 Creating chatbot WATSON ASSISTANT
PETA-31 Integrating SendGrid services SENDGRID
PETA-32 Integrating both frontend and backend
+ Create issue
PETA Sprint 4 14 Nov – 21 Nov (4 issues)
PETA-17 To create images of website using docker DOCKER
PETA-33 To upload docker image to IBM Cloud Registry CLOUD REGISTRY
PETA-34 To create a container using docker image and hosting the site KUBERNETS
PETA-35 Exposing IP Ports for the site IP PORTS
+ Create issue

BOARD:


Backlog
Board
DEVELOPMENT
Code
Project pages
Add shortcut
Project settings
You're in a team-managed project
Learn more
TO DO 3 ISSUES
As a user, I will receive confirmation email once I have registered for the application
REGISTRATION
PETA-2
As a user, I can log into the application by entering email & password
LOGIN
PETA-4
As a registered user, it takes the user to the dashboard
DASHBOARD
PETA-5

7. CODING AND SOLUTIONING:

Features:

Feature 1: Add Expense

Feature 2: Update expense

Feature 3: Delete Expense

Feature 4: Set Limit

Feature 5: Send Alert Emails to users

Other Features: 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:

app.py

```
 from flask import Flask, render_template, request
import logging
from logging import Formatter, FileHandler
from forms import *
import os
app = Flask(__name__)
app.config.from_object('config')
@app.route('/')
Def home():
 Return render_template('pages/placeholder.home.html')
@app.route('/about')
Def about():
    Return render_template('pages/placeholder.about.html')
@app.route('/login')
Def login():
    Form = LoginForm(request.form)
    Return render_template('forms/login.html', form=form)
@app.route('/register')


Def register()
Form = RegisterForm(request.form)
Return render_template('forms/register.html', form=form)
@app.route('/forgot')
Def forgot():
    Form = ForgotForm(request.form)
```

```
    Return render_template('forms/forgot.html', form=form)
@app.errorhandler(500)
Def internal_error(error):
    #db_session.rollback()
    Return render_template('errors/500.html'), 500
@app.errorhandler(404)
Def not_found_error(error):
    Return render_template('errors/404.html'), 404
If not app.debug:
    File_handler = FileHandler('error.log')
    File_handler.setFormatter(
        Formatter('%(asctime)s %(levelname)s: %(message)s [in %(pathname)s:%(lineno)d]')
    )
    App.logger.setLevel(logging.INFO)
    File_handler.setLevel(logging.INFO)
    App.logger.addHandler(file_handler)
    App.logger.info('errors')
#--------------------------------------------------------------------------#
# Launch
.#--------------------------------------------------------------------------#
If __name__ == '__main__':
    App.run()
```

Config.py:

```
Import os
# Grabs the folder where the script runs.
Basedir = os.path.abspath(os.path.dirname(__file__))
# Enable debug mode.
DEBUG = True
# Secret key for session management. You can generate random strings here:
# https://randomkeygen.com/
SECRET_KEY = ' '

# Connect to the database
SQLALCHEMY_DATABASE_URI = 'sqlite:///' + os.path.join(basedir, 'database.db')
```

Fabfile.py:

```
From fabric.api import local, settings, abort
From fabric.contrib.console import confirm
# prepare for deployment
Def test():
    With settings(warn_only=True):
        Result = local(
 "python test_tasks.py -v && python test_users.py -v", capture=True
        )
    If result.failed and not confirm("Tests failed. Continue?"):
        Abort("Aborted at user request.")
Def commit():
    Message = raw_input("Enter a git commit message: ")
    Local("git add . && git commit -am '{}'".format(message))
Def push():
    Local("git push origin master")
Def prepare():
    Test()
    Commit()
    Push()
```

```
# deploy to heroku
Def pull():
    Local(“git pull origin master”)
Def heroku():
    Local(“git push heroku master”)
Def heroku_test():
    Local(
        “heroku run python test_tasks.py -v && heroku run python test_users.py -v”
    )
Def deploy():
    Pull()
    Test()
    Commit()
    Heroku()
    Heroku_test()
# rollback
Def rollback():
    Local(“heroku rollback”)
```

Forms.py:

```
From flask_wtf import Form
From wtforms import TextAreaField, PasswordField
From wtforms.validators import DataRequired, EqualTo, Length
# Set your classes here.
Class RegisterForm(Form):
    Name = TextAreaField(
        ‘Username’, validators=[DataRequired(), Length(min=6, max=25)]
    )
    Email = TextAreaField(
        ‘Email’, validators=[DataRequired(), Length(min=6, max=40)]
    )
    Password = PasswordField(
        ‘Password’, validators=[DataRequired(), Length(min=6, max=40)]
    )
    Confirm = PasswordField(
        ‘Repeat Password’,
        [DataRequired(),
        EqualTo(‘password’, message=’Passwords must match’)]
    )
Class LoginForm(Form):
    Name = TextAreaField(‘Username’, [DataRequired()])
    Password = PasswordField(‘Password’, [DataRequired()])
Class ForgotForm(Form):
    Email = TextAreaField(
        ‘Email’, validators=[DataRequired(), Length(min=6, max=40)]
    )
```

Models.py:

```
From sqlalchemy import create_engine
From sqlalchemy.orm import scoped_session, sessionmaker
From sqlalchemy.ext.declarative import declarative_base
# from sqlalchemy import Column, Integer, String
# from app import db
Engine = create_engine(‘sqlite:///database.db’, echo=True)
Db_session = scoped_session(sessionmaker(autocommit=False,
```

```
                                Autoflush=False,
                                Bind=engine))
Base = declarative_base()
Base.query = db_session.query_property()
Base.metadata.create_all(bind=engine)
```

Requirements.txt:

```
Fabric
Flask-SQLAlchemy
Flask-WTF
WTForms
Coverage
```

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;*/
        Color: yellowgreen;
}
.cta {
        Display: inline-block;
        Padding: 10px 30px;
        Color: white;
        Background-color: transparent;
        Border: 2px solid yellowgreen;
        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: yellowgreen;
}
.brand h1 {
        Font-size: 3rem;
        Text-transform: uppercase;
        Color: white;
}
.brand h1 span {
        Color: pink;
}

/* 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: yellowgreen;
}
#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/bg.jpg);
	Background-size: cover;
	Background-position: top center;
	Position: relative;
	z-index: 1;
}
#hero::after {
	Content: ‘’;
	Position: absolute;
	Left: 0;
	Top: 0;
	Height: 100%;
	Width: 100%;
	Background-color: black;
	Opacity: 0.7;
	z-index: -1;
}
#hero .hero {
	Max-width: 1200px;
	Margin: 0 auto;
	Padding: 0 50px;
	Justify-content: flex-start;
}
#hero h1 {
	Display: block;
	Width: fit-content;
	Font-size: 4rem;
	Position: relative;
	Color: transparent;
	Animation: text_reveal 0.5s ease forwards;
	Animation-delay: 1s;
}
#hero h1:nth-child(1) {
	Animation-delay: 1s;
}
#hero h1:nth-child(2) {
	Animation-delay: 2s;
}
#hero h1:nth-child(3) {
	Animation: text_reveal_name 0.5s ease forwards;
	Animation-delay: 3s;
}
#hero h1 span {
	Position: absolute;
	Top: 0;
	Left: 0;
	Height: 100%;
	Width: 0;
	Background-color: yellowgreen;
	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;
}
/* End About Section */
/* contact Section */
#contact .contact {
        Flex-direction: column;
        Max-width: 1200px;
        Margin: 0 auto;
        Width: 90%;
}
#contact .contact-items {
        /* max-width: 400px; */
        Width: 100%;
}
#contact .contact-item {
        Width: 80%;
        Padding: 20px;
        Text-align: center;
        Border-radius: 10px;
        Padding: 30px;
        Margin: 30px;
        Display: flex;
        Justify-content: center;
        Align-items: center;
        Flex-direction: column;
        Box-shadow: 0px 0px 18px 0 #0000002c;
        Transition: 0.3s ease box-shadow;
}
#contact .contact-item:hover {
        Box-shadow: 0px 0px 5px 0 #0000002c;
}
#contact .icon {
        Width: 70px;
        Margin: 0 auto;
        Margin-bottom: 10px;
}
#contact .contact-info h1 {
        Font-size: 2.5rem;
        Font-weight: 500;
        Margin-bottom: 5px;
}
#contact .contact-info h2 {
```

```
        Font-size: 1.3rem;
        Line-height: 2rem;
        Font-weight: 500;
}
/*End contact Section */
/* Footer */
#footer {
        Background-image: linear-gradient(60deg, #29323c 0%, #485563 100%);
}
#footer .footer {
        Min-height: 200px;
        Flex-direction: column;
        Padding-top: 50px;
        Padding-bottom: 10px;
}
#footer h2 {
        Color: white;
        Font-weight: 500;
        Font-size: 1.8rem;
        Letter-spacing: 0.1rem;
        Margin-top: 10px;
        Margin-bottom: 10px;
}
#footer .social-icon {
        Display: flex;
        Margin-bottom: 30px;
}
#footer .social-item {
        Height: 50px;
        Width: 50px;
        Margin: 0 5px;
}
#footer .social-item img {
        Filter: grayscale(1);
        Transition: 0.3s ease filter;
}
#footer .social-item:hover img {
        Filter: grayscale(0);
}
#footer p {
        Color: white;
        Font-size: 1.3rem;
}
/* End Footer */
/* Keyframes */
@keyframes hamburger_puls {
        0% {
                Opacity: 1;
                Transform: scale(1);
        }
        100% {
                Opacity: 0;
                Transform: scale(1.4);
        }
```

```
}
@keyframes text_reveal_box {
	50% {
		Width: 100%;
		Left: 0;
	}
	100% {
		Width: 0;
		Left: 100%;
	}
}
@keyframes text_reveal {
	100% {
		Color: white;
	}
}
@keyframes text_reveal_name {
	100% {
		Color: yellowgreen;
		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 .col-right {
        Text-align: left;
        Padding: 30px;
    }
    #about .col-right h1 {
        Text-align: left;
    }
    /* End About */
/* contact  */
    #contact .contact {
        Flex-direction: column;
        Padding: 100px 0;
        Align-items: center;
        Justify-content: center;
        Min-width: 20vh;
    }
    #contact .contact-items {
        Width: 100%;
        Display: flex;
        Flex-direction: row;
        Justify-content: space-evenly;
        Margin: 0;
    }
    #contact .contact-item {
        Width: 30%;
        Margin: 0;
        Flex-direction: row;
    }
    #contact .contact-item .icon {
        Height: 100px;
        Width: 100px;
    }
    #contact .contact-item .icon img {
        Object-fit: contain;
    }
    #contact .contact-item .contact-info {
```

```
                Width: 100%;
                Text-align: left;
                Padding-left: 20px;
        }
        /* End contact  */
}
/* End Media Query For Tablet */

/* Media Query For Desktop */
@media only screen and (min-width: 1200px) {
        /* header */
        #header .hamburger {
                Display: none;
        }
        #header .nav-list ul {
                Position: initial;
                Display: block;
                Height: auto;
                Width: fit-content;
                Background-color: transparent;
        }
        #header .nav-list ul li {
                Display: inline-block;
        }
        #header .nav-list ul li a {
                Font-size: 1.8rem;
        }
        #header .nav-list ul a:after {
                Display: none;
        }
        /* End header */
#services .service-bottom .service-item {
                Flex-basis: 22%;
                Margin: 1.5%;
        }
}
/* End  Media Query For Desktop */
```

Login. Css:

```
*{
        Padding: 0;
        Margin: 0;
        Box-sizing: border-box;
}
Body{
   Font-family: ‘Poppins’, sans-serif;
   Overflow: hidden;
}
.wave{
        Position: fixed;
        Bottom: 0;
        Left: 0;
        Height: 100%;
        z-index: -1;
```

```
}
.container{
    Width: 100vw;
    Height: 100vh;
    Display: grid;
    Grid-template-columns: repeat(2, 1fr);
    Grid-gap :7rem;
    Padding: 0 2rem;
}
.img{
        Display: flex;
        Justify-content: flex-end;
        Align-items: center;
}
.login-content{
        Display: flex;
        Justify-content: flex-start;
        Align-items: center;
        Text-align: center;
}
.img img{
        Width: 500px;
}
Form{
        Width: 360px;
}
.login-content img{
    Height: 100px;
}
.login-content h2{
        Margin: 15px 0;
        Color: #333;
        Text-transform: uppercase;
        Font-size: 2.9rem;
}
.login-content .input-div{
        Position: relative;
    Display: grid;
    Grid-template-columns: 7% 93%;
    Margin: 25px 0;
    Padding: 5px 0;
    Border-bottom: 2px solid #d9d9d9;
}

.login-content .input-div.one{
        Margin-top: 0;
}
.i{
        Color: #d9d9d9;
        Display: flex;
        Justify-content: center;
        Align-items: center;
}
.i i{
```

```
        Transition: .3s;
}
.input-div > div{
    Position: relative;
        Height: 45px;
}
.input-div > div > h5{
        Position: absolute;
        Left: 10px;
        Top: 50%;
        Transform: translateY(-50%);
        Color: #999;
        Font-size: 18px;
        Transition: .3s;
}
.input-div:before, .input-div:after{
        Content: ‘’;
        Position: absolute;
        Bottom: -2px;
        Width: 0%;
        Height: 2px;
        Background-color: #38d39f;
        Transition: .4s;
}
.input-div:before{
        Right: 50%;
}
.input-div:after{
        Left: 50%;
}
.input-div.focus:before, .input-div.focus:after{
        Width: 50%;
}
.input-div.focus > div > h5{
        Top: -5px;
        Font-size: 15px;
}

.input-div.focus > .i > i{
        Color: #38d39f;
}
.input-div > div > input{
        Position: absolute;
        Left: 0;
        Top: 0;
        Width: 100%;
        Height: 100%;
        Border: none;
        Outline: none;
        Background: none;
        Padding: 0.5rem 0.7rem;
        Font-size: 1.2rem;
        Color: #555;
        Font-family: ‘poppins’, sans-serif;
```

```
}
.input-div.pass{
	Margin-bottom: 4px;
}
A{
	Display: block;
	Text-align: right;
	Text-decoration: none;
	Color: #999;
	Font-size: 0.9rem;
	Transition: .3s;
}

A:hover{
	Color: #38d39f;
}
.btn{
	Display: block;
	Width: 100%;
	Height: 50px;
	Border-radius: 25px;
	Outline: none;
	Border: none;
	Background-image: linear-gradient(to right, #32be8f, #38d39f, #32be8f);
	Background-size: 200%;
	Font-size: 1.2rem;
	Color: #fff;
	Font-family: ‘Poppins’, sans-serif;
	Text-transform: uppercase;
	Margin: 1rem 0;
	Cursor: pointer;
	Transition: .5s;
}
.btn:hover{
	Background-position: right;
}
@media screen and (max-width: 1050px){
	.container{
		Grid-gap: 5rem;
	}
}
@media screen and (max-width: 1000px){
	Form{
		Width: 290px;
	}
	 .login-content h2{
	Font-size: 2.4rem;
	Margin: 8px 0;
	 }
	 .img img{
		Width: 400px;
	 }
}
@media screen and (max-width: 900px){
```

```
        .container{
                Grid-template-columns: 1fr;
        }
        .img{
                Display: none;
        }
        .wave{
                Display: none;
        }
        .login-content{
                Justify-content: center;
        }
}
.container{
        Overflow:scroll
}
.container::-webkit-scrollbar {
    Display: none;
}
Ul {
        Position:relative;
        Top:-20px;
        Left:0%;
        Right:10%;
        Transform: translate(-50%, -50%);
        Margin: 75px;
        Padding:0;
        Display:flex;
        Flex:auto;
  }
    Ul li {
        List-style: none;
  }
  Ul li a {
        Position: relative;
        Width:60px;
        Height:60px;
        Display:block;
        Text-align:center;
        Margin:0 10px;
        Border-radius: 50%;
        Padding: 6px;
        Box-sizing: border-box;
        Text-decoration:none;
        Box-shadow: 0 10px 15px rgba(0,0,0,0.3);
        Background: linear-gradient(0deg, #ddd, #fff);
        Transition: .5s;
  }
  Ul li a:hover {
        Box-shadow: 0 2px 5px rgba(0,0,0,0.3);
        Text-decoration:none;
  }
 Ul li a .fab {
        Width: 100%;
```

```
        Height:100%;
        Display:block;
        Background: linear-gradient(0deg, #fff, #ddd);
        Border-radius: 50%;
        Line-height: calc(60px – 12px);
        Font-size:24px;
        Color: #262626;
        Transition: .5s;
  }
  Ul li:nth-child(1) a:hover .fab {
        Color: #3b5998;
  }
  Ul li:nth-child(2) a:hover .fab {
        Color: #00aced;
  }
  Ul li:nth-child(3) a:hover .fab {
        Color: #dd4b39;
  }
  Ul li:nth-child(4) a:hover .fab {
        Color: #007bb6;
  }
 Ul li:nth-child(5) a:hover .fab {
        Color: #e4405f;
  }
  .app{
          Position: relative;
          Top: -70px;
          Height: 5%;
 }
  #app1{
          Color:blue ;
          Position:relative;
          Right:40%;
  }
  #png{
          Position: relative;
          Top: -300px;
          Right: 50px;
            }
```

Signup. Css:

```
@charset “utf-8”;
/* CSS Document */
Body{
 Background-color:#eef1f8;
 Margin:0px;
 Padding:0px;
}
A{
 Text-decoration:none;
}
.container{
 Width:100%;
```

```
 Height:100%;
 Background-color:#FFFFFF;
 Position: absolute;
 Left:50%;
 Top:49%;
 Transform:translate(-50%,-50%);
 Box-shadow:2px 2px 30px rgba(66,57,238,0.2);
 Border-radius:20px;
 Display:flex;
 Justify-content: center;
 Align-items:center;
 Background-image: url('../images/bg.gif');
 Background-repeat:no-repeat;
 Background-size:cover;
}
.sign-up{
        Position: relative;
        Left: -250px;
 Width:50%;
 Display:flex;
 Flex-direction:column;
 Align-items: center;
 }
.text-container{
   Position: relative;
   Top:-100px; padding-bottom:-50px;
 Width:50%;
 Height:100%;
 Display:flex;
 Flex-direction:column;
 Justify-content: center;
 Align-items: center;
 Margin-left:700px;
 Margin-bottom:-10px;
 Top:-40px
 }
.heading{
 Font-family:calibri;
 Color:rgba(30,30,30,1);
Position: relative;
Left:80px ;
}
.text{
 Width:350px;
 Height:50px;
 Box-shadow:2px 6px 18px rgba(66,57,238,0.3);
 Border-radius: 30px;
 Display:flex;
 Align-items:center;
 Margin:10px;
}
.text input{
 Height:40px;
 Width:80%;
```

```
 Outline:none;
 Border:none;
 Font-size:14px;
 Margin:5px;
}
.text img{
 Margin-left:20px;
}
.conditions{
 Font-family:myriad pro;
 Color:#bbc1cb;
 Font-size:14px;
}
.trems{
    Top:20px ;
    Position: relative;
        Left:37px ;
Display: flex;
 Align-items:center;
}
.conditions a{
 Color:#7d22e3;
 Font-weight:500;
}
Button{
 Width:200px;
 Height:40px;
 Outline:none;
 Border:none;
 Border-radius:20px;
 Background:linear-gradient(-30deg,#3b02ed,#8e2ae0 55%);
 Box-shadow:2px 6px 16px rgba(66,57,238,0.3);
 Color:#FFFFFF;
 Font-weight:600;
 Letter-spacing:1px;
 Font-weight: 13px;
}
Button:active{
 Transform:scale(1.1);
}
.text-container p{
 Width:70%;
 Text-align: center;
 Font-family:arial;
 Font-size: 15px;
 Font-weight: 400;
 Line-height:0px;
}
Ul {
        Position:relative;
        Top:40px;
        Left:25%;
        Right:100px;
        Transform: translate(-50%, -50%);
```

```
        Margin: 75px;
        Padding:0;
        Display:flex;
        Flex:auto;
}
 Ul li {
        List-style: none;
}
 Ul li a {
        Position: relative;
        Width:60px;
        Height:60px;
        Display:block;
        Text-align:center;
        Margin:0 10px;
        Border-radius: 50%;
        Padding: 6px;
        Box-sizing: border-box;
        Text-decoration:none;
        Box-shadow: 0 10px 15px rgba(0,0,0,0.3);
        Background: linear-gradient(0deg, #ddd, #fff);
        Transition: .5s;
}
Ul li a:hover {
        Box-shadow: 0 2px 5px rgba(0,0,0,0.3);
        Text-decoration:none;
}
Ul li a .fab {
        Width: 100%;
        Height:100%;
        Display:block;
        Background: linear-gradient(0deg, #fff, #ddd);
        Border-radius: 50%;
        Line-height: calc(60px – 12px);
        Font-size:24px;
        Color: #262626;
        Transition: .5s;
}
Ul li:nth-child(1) a:hover .fab {
        Color: #3b5998;
}
Ul li:nth-child(2) a:hover .fab {
        Color: #00aced;
}
Ul li:nth-child(3) a:hover .fab {
        Color: #dd4b39;
}
Ul li:nth-child(4) a:hover .fab {
        Color: #007bb6;
}

Ul li:nth-child(5) a:hover .fab {
        Color: #e4405f;
}
```

```
  .toop{
     Position: relative;
     Top: 20px;
          Left: 75px;
  }
  .check{
     Position: relative;
     Top: -8px;
     Left: -5px;
  }
  .para{
     Position: relative;
     Top: 0px;
          Left: -45px;
}
  .diag{
          Position: relative;
          Top:0px;
          Margin: 0px;
          Padding: 0px;
          Left:-10px;
  }
  .fig1{
          Position: relative;
          Size:200%;
  }
  #png{
          Position: relative;
          Left: -270px;
          Top: -45px;
  }
  .or{
          Position: relative;
          Left:180px;
  }
  .s1{
          Position: relative;
          Left: 140px;
  }
  .t{
          Position: relative;
          Left:-100px ;
          Top:10px;
  }
```

Home.js:

```
Const hamburger = document.querySelector(‘.header .nav-bar .nav-list .hamburger’);
Const mobile_menu = document.querySelector(‘.header .nav-bar .nav-list ul’);
Const menu_item = document.querySelectorAll(‘.header .nav-bar .nav-list ul li a’);
Const header = document.querySelector(‘.header.container’);

Hamburger.addEventListener(‘click’, () => {
        Hamburger.classList.toggle(‘active’);
```

```
        Mobile_menu.classList.toggle('active');
});

Document.addEventListener('scroll', () => {
        Var scroll_position = window.scrollY;
        If (scroll_position > 250) {
                Header.style.backgroundColor = '#29323c';
        } else {
                Header.style.backgroundColor = 'transparent';
        }
});
Menu_item.forEach((item) => {
        Item.addEventListener('click', () => {
                Hamburger.classList.toggle('active');
                Mobile_menu.classList.toggle('active');
        });
});
```

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);
});
```

Add.html:

```
{% extends 'base.html' %}
{% block body %}
<div class="container">
   <div class="row">
      <div class="col-md-6">
        <h3>Add Expense</h3>
        <form action="/addexpense" method="POST">

            <div class="form-group">
                <label for="">Date</label>
                <input class="form-control" type="datetime-local" name="date" id="date"></div>
            <div class="form-group"> <label for="">Expense name</label>
                <input class="form-control" type="text" name="expensename" id="expensename">
            </div>
            <div class="form-group">
                <label for="">Expense Amount</label>
                 <input class="form-control"  type="number"  name="amount" id="amount">
            </div>
```

```
            <!-- <div class="form-group"> <label for="">Pay-Mode</label>
                <input class="form-control" type="text" name="paymode" id="paymode">
            </div>
            <div class="form-group"> <label for="">Category</label>
                <input class="form-control" type="text" name="category" id="category">
            </div> à
            <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="imagge">
            <img width="90%" height="90%" src="../static/images/addd.jpg" class="rounded float-
left" alt="…"
            </div>
      </div>
   </div>
</div>
  {% endblock %}
```

Base.html:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <link rel="stylesheet"
href=https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/css/bootstrap.min.css integrity="sha384-
TX8t27EcRE3e/ihU7zmQxVncDAy5uIKz4rEkgIXeMed4M0jlfIDPvg6uqKI2xXr2"
crossorigin="anonymous">
    <script src=https://cdn.jsdelivr.net/npm/chart.js@3.2.1/dist/chart.min.js></script>
   <script src=https://code.jquery.com/jquery-3.5.1.slim.min.js integrity="sha384-
DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"
crossorigin="anonymous"></script>
<script src=https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.min.js
integrity="sha384-
```

```
9/reFTGAW83EW2RDu2S0VKaIzap3H66lZH81PoYlFhbGU+6BZp6G7niu735Sk7lN"
crossorigin="anonymous"></script>
<script src=https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js
integrity="sha384-B4gt1jrGC7Jh4AgTPSdUtOBvfO8shuf57BaghqFfPlYxofvL8/KUEfYiJOMMV+rV"
crossorigin="anonymous"></script>
<link rel="stylesheet" href=https://pro.fontawesome.com/releases/v5.10.0/css/all.css
integrity="sha384-
AYmEC3Yw5cVb3ZcuHtOA93w35dYTsvhLPVnYs9eStHfGJvOvKxVfELGroGkvsg+p"
crossorigin="anonymous"/>
      <title>Document</title>
   <style>
  #hero {
        Background-image: url('../images/bg.jpg');
        Background-size: cover;
        Background-position: top center;
        Position: relative;
        z-index: 1;
  }
  </style>
</head>
<body>
<section id="hero">
 <div class="hero container" >
  </div>
</section>
 <nav class="navbar sticky-top  navbar-expand-lg navbar-light" style="background-color:
#e3f2fd;">
   <a class="navbar-brand" href="#">MyBudget</a>
   <button class="navbar-toggler" type="button" data-toggle="collapse" data-
target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-
expanded="false" aria-label="Toggle navigation">
     <span class="navbar-toggler-icon"></span>
   </button>
 <div class="collapse navbar-collapse" id="navbarSupportedContent">
     <ul class="navbar-nav mr-auto">
       <li class="nav-item active">
        <a class="nav-link" href="home.html">Home <span class="sr-only">(current)</span></a>
       </li>
       <li class="nav-item">
         <a class="nav-link" href="add.html">Add</a>
       </li>
       <li class="nav-item">
         <a class="nav-link" href="display.html">History</a>
       </li>
       <li class="nav-item">
         <a class="nav-link" href="limit.html">Limit</a>
       </li>
       <li class="nav-item dropdown">
         <a class="nav-link dropdown-toggle" href="#" id="navbarDropdown" role="button" data-
toggle="dropdown" aria-haspopup="true" aria-expanded="false">
          Report
         </a>
         <div class="dropdown-menu" aria-labelledby="navbarDropdown">
           <a class="dropdown-item" href="today.html">TODAY</a>
```

```
          <a class="dropdown-item" href="month.html">Month</a>
          <a class="dropdown-item" href="year.html">Year</a>
        </div>
       </li>
      </ul>
       <div class="form-inline my-5 my-lg-1" style="position: absolute; left: 1250px;">
      <ul class="navbar-nav mr-auto "  >  <li class="nav-item dropdown btn-group open">
       <a class="btn btn-primary" href="#"><I class="fa fa-user fa-fw"></i>User </a>
  <a class="btn btn-primary dropdown-toggle "href="#" id="navbarDropdown"  data-
toggle="dropdown" aria-haspopup="true" aria-expanded="false">
  </a>
        <div class="dropdown-menu" aria-labelledby="navbarDropdown">
          <a class="dropdown-item" href="#">Profile</a>
          <a class="dropdown-item" href="#">Settings</a>
          <a class="dropdown-item" href="#">Contact-Us</a>
          <div class="dropdown-divider"></div>
          <a class="dropdown-item" style="color: darkred;" href="/logout">Log-Out <I class="fa fa-
sign-out" aria-hidden="true"></i></a>
        </div>
       </li>
       <div ">
      </ul>
     </div>
    </div>
  </nav>
</body>
</html>
```

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

```
                    <div class="col-md-1 mt-3">
                        <a href="/delete/{{row[0]}}" class="btn btn-sm btnDelete btn-
success">Delete</a>
                    </div>
                </div>
            </div>
        </div>
    </div>
    <!—when no DATA-Foundà
   {% 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><a  href="/add"> ADD-
DATA </a> to Display</h3></div>
    <img  width=60% src="../static/images/not-found.png">
    </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[0]}}" method="POST">
     <input type="hidden" class="form-control"   name="" value = "{{expenses[0]}}" id="">
            <div class="form-group">
               <label for="">Date</label>
               <input class="form-control"  type="datetime-local" name="date"
value="{{expenses[2]}}"  id="date"></div>
          <script type="text/javascript">
                 Var d = new Date(value="{{expenses[2]}}" );
                 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[3]}}"
id="expensename">
            </div>
            <div class="form-group">
               <label for="">Expense Amount</label>
                <input class="form-control"  type="number" min="0" name="amount"
value="{{expenses[4]}}" id="amount">
            </div>
            <div class="form-group">
               <label for=""></label>
               <select class="form-control" name="paymode" value="{{expenses[5]}}"
id="paymode">
                  <option selected hidden>{{expenses[5]}}</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[6]}}"  id="category">
                  <option  selected hidden>{{expenses[6]}}</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 %}
```

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>Personal Expense Tracker</title>
</head>
<body>
  <!—Header à
  <section id="header">
    <div class="header container">
      <div class="nav-bar">
        <div class="brand">
          <a href="#hero">
            </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="login.html" data-after="Login">Login</a></LI>
          </ul>
        </div>
      </div>
```

```
  </div>
 </section>
 <!—End Header à
 <!—Hero Section  à
 <section id=”hero”>
  <div class=”hero container”>
   <div>
    <h1>Personal Expense Tracker <span></span></h1>
    <a href=”signup.html” type=”button” class=”cta”>Sign-up</a>
   </div>
  </div>
 </section>
 <!—End Hero Section  à
 <!—Service Section à
 <section id=”services”>
  <div class=”services container”>
   <div class=”service-top”>
    <h1 class=”section-title”>Pr<span>o</span>ject</h1>
    <p>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 email alert.</p>
   </div>
   <div class=”service-bottom”>
    <div class=”service-item”>
     <div class=”icon”><img src=https://img.icons8.com/bubbles/100/000000/services.png /></div>
     <h2>Efficience</h2>
     <p>personal finance entails all the financial decisions and activities that a Finance app makes your life easier by helping you to manage your finances efficiently.</p>
    </div>
    <div class=”service-item”>
     <div class=”icon”><img src=https://img.icons8.com/bubbles/100/000000/services.png /></div>
     <h2>Feature</h2>
     <p>A FLASK APP THAT USERS MAY USE ON A WEBSITE TO UPDATE THEIR DAILY EXPENSES AND KEEP TRACK OF THEIR SPENDING.</p>
    </div>
    <div class=”service-item”>
     <div class=”icon”><img src=https://img.icons8.com/bubbles/100/000000/services.png /></div>
     <h2>Personal Expenses</h2>
     <p>Budgeting is more than paying bills and setting aside savings.it’s about creating a money plan for the life you want</p>
    </div>
    <div class=”service-item”>
     <div class=”icon”><img src=https://img.icons8.com/bubbles/100/000000/services.png /></div>
     <h2>Financial Life</h2>
     <p>Get your Complete financial picture at a glance. With MyBudget application you can view your all the financial activities
     </p>
    </div>
```

```
    </div>
   </div>
  </section>
  <!—End Service Section à
  <!—About Section à
  <section id=”about”>
   <div class=”about container”>
    <div class=”col-left”>
     <div class=”about-img”>
      <div><h2></h2></div>
     </div>
    </div>
    <div class=”col-right”>
     <h1 class=”section-title”>About <span>Us</span></h1>
     <h2>Category: Cloud App Development</h2>
      <h2> Contributors:</h2>
       <h2>Miruthula N</h2>
       <h2>Poornimadevi A</h2>
       <h2>Subadhina J</h2>
       <h2>Suuky M</h2>
     <p> </p>
     <a href=”#footer” class=”cta”>Follow Us</a>
    </div>
   </div>
  </section>
  <!—End About Section à

  <!—Contact Section à
  <section id=”contact”>
   <div class=”contact container”>
    <div>
     <h1 class=”section-title”>Contact <span>info</span></h1>
    </div>
    <div class=”contact-items”>
     <div class=”contact-item”>
      <div class=”icon”><img src=https://img.icons8.com/bubbles/100/000000/phone.png /></div>
      <div class=”contact-info”>
       <h1>Phone Number</h1>
       <h2>9876543201</h2>
            </div>
     </div>
     <div class=”contact-item”>
      <div class=”icon”><img src=https://img.icons8.com/bubbles/100/000000/new-post.png
/></div>
      <div class=”contact-info”>
       <h1>Email</h1>
       <h2>abcd@gmail.com</h2>
      </div>
     </div>
     <div class=”contact-item”>
      <div class=”icon”><img src=https://img.icons8.com/bubbles/100/000000/map-marker.png
/></div>
      <div class=”contact-info”>
       <h1>Address</h1>
```

```
          <h2>Madurai,Tamil Nadu, India</h2>
        </div>
      </div>
    </div>
  </div>
 </section>
 <!—End Contact Section à
 <!—Footer à
 <section id=”footer”>
  <div class=”footer container”>
   <div class=”brand”>
    <h1><span>P</span>ersonal <span>E</span>xpense <span>T</span>racker</h1>
   </div>
   <div class=”social-icon”>
    <div class=”social-item”>
     <a href=”#”><img src=https://img.icons8.com/bubbles/100/000000/facebook-new.png /></a>
    </div>
    <div class=”social-item”>
     <a href=”#”><img src=https://img.icons8.com/bubbles/100/000000/instagram-new.png
/></a>
    </div>
    <!-- <div class=”social-item”>
     <a href=”#”><img src=https://img.icons8.com/bubbles/100/000000/twitter.png /></a>
    </div> à
    <div class=”social-item”>
     <a href=”#”><img src=https://img.icons8.com/bubbles/100/000000/behance.png /></a>
    </div>
   </div>
  </div>
 </section>
 <!—End Footer à
 <script src=”..\static\js\home.js”></script>
</body>
</html>
```

Homepage.html:

```
<style>
   H1 {
      Position: relative;
      Right: -790PX;
      Top: -400PX;
      Color: RED;
   }
Span{
   Position: relative;
Right: -800px;
Top: -360px;
}
  .ccc {
       Position:relative;
       Top:80px;
       Left:100px;
        }
```

```
 .navbar{
        Overflow:hidden;
        Background-color:#333;
        Position:fixed;
        Bottom:0%;
        Width:100%;
        Height:7%;
        Padding:25x 32px;
        }
        .navbar a{
        Color: white;
        }
    </style>
    <div id=aa class=”container”>
    <div class=”ccc”>
        <img src=”../static/images/images(13).jpeg”>
        <h1>LET’S START THE JOURNEY</h1> </br>
     <form action=’base.html’ method=”POST”>
    </div>
</div>
<div style=”text-align:center;font-size:20px”  class=”navbar”>
<a href=”base.html”>Let’s Begin</a></div>
```

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>
        <button class=”btn btn-warning” type=”submit”>ENTER</button>
    </span>
</form>
{% endblock %}
```

Year.html

```
{% extends ‘base.html’ %}
{% block body %}
<div class=”container “>
<div class=”row”>
    <div class=”col-md-5”>
        <h3 class=”mt-5”>YEAR Expense Breakdown</h3>
        <div class=”card shadow mb-2 bg-white rounded-pill”>
            <div class=”card-body “>
            <div class=”row”>
                <div value = “month” class=”col-md-6”> </div>
                <div class=”col-md-6”>  AMOUNT   </div>
             </div>
            </div>
        </div>
        {% for row in texpense %}
        <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 %}
```

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">TIME</div>
            <div class="col-md-6">  AMOUNT   </div>
          </div>
         </div>
      </div>
      {% for row in texpense %}
      <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 %}
```

Signup.html

```
<html>
<head>
<meta charset="utf-8">
<title>Sign-up</title>
<link href="..\static\css\signup.css" rel="stylesheet">
<script src=https://kit.fontawesome.com/a81368914c.js></script>
<link rel="stylesheet" href=https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css
integrity="sha384-
Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm"
crossorigin="anonymous">
</head>
<body>
 <!—container----------à
<div class="container" >
 <!—sign-up-box-container-à
```

```
<div class=”sign-up”>
    <div id=”png”></div>
 <!—headingà
 <form action=”login.html” method=”post”>
    <div class=”msg”></div>
 <h1 class=”heading”></h1>
 <!—name-boxà
 <div class=”text”>
 <img height=”20px” src=”..\static\images\user.png” />
 <input placeholder=”Name” type=”text” name=”username”/>
 </div>
 <!—Email-boxà
 <div class=”text”>
 <img height=”12px” src=”..\static\images\email.jpg” />
 <input placeholder=” Example@gmail.com” type=”email” name=”email” />
 </div>
 <!—Password-boxà
 <div class=”text”>
 <img height=”20px” src=”..\static\images\password.png” />
 <input placeholder=” Password” type=”password” name=”password”/>
 </div>
<div class=”or”><b>OR</b></div>
<div class=”s1”><p><b>Sign-up with</b></p></div>
 <div>
    <ul>
        <li><a href=”#”><I class=”fab fa-facebook” aria-hidden=”true”></i></a></li>
        <li><a href=”#”><I class=”fab fa-twitter” aria-hidden=”true”></i></a></li>
        <li><a href=”#”><I <I class=”fab fa-google”  aria-hidden=”true”></i></a></li>
        <li><a href=”#”><I class=”fab fa-linkedin” aria-hidden=”true”></i></a></li>
        <li><a href=”#”><I class=”fab fa-instagram” aria-hidden=”true”></i></a></li>
    </ul>
</div>
<!—tremsà
<div class=”trems”>
    <input class=”check” type=”checkbox” required/>
 <p class=”conditions”>I read and agree to <a href=”#”>Trems &amp;amp; Conditions</a></p>
 </div>
<!—buttonà
<div class=”toop”>
<button type=”submit” class=”btn btn-primary”>CREATE ACCOUNT</button> </div>
</form>
<!—sign-inà
<div class=”t”><p class=”conditions” id=”p3”>Already have an account <a
href=”login.html”>Login</a></p> </div></div>
 </div>
<!—text-containerà
<div class=”text-container”>
<div class=”diag”><img class=”fig1” width=”100%” height=”105%”
src=”..\static\images\Inkeddia_LI.jpg”></div>
<div class=”para”> <b></b></div>
  </div>
 </div>
</body>
</html>
```

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 texpense %}
      <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>Login Form</title>
        <link rel="stylesheet" type="text/css" href="..\static\css\login.css">
        <link href=https://fonts.googleapis.com/css?family=Poppins:600&display=swap
rel="stylesheet">
        <script src=https://kit.fontawesome.com/a81368914c.js></script>
        <meta name="viewport" content="width=device-width, initial-scale=1">
</head>
<body >
        <img class="wave" src="..\static\images\wave.png">
        <div class="container">
                <div class="img">
                        <div id="png"></div>
                        </div>
                <div class="login-content">
                        <form action='homepage.html' method="POST">
                                <div class="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">
```

```
                        <h5>Username</h5>
                        <input type="text" name="username" class="input" required>
                    </div>
                </div>
                <div class="input-div pass">
                    <div class="l">
                        <I class="fas fa-lock"></i>
                    </div>
                    <div class="div">
                        <h5>Password</h5>
                        <input type="password"  name="password" class="input" required>
                </div>
            </div>
            <a href="#">Forgot Password?</a>
            <input type="submit" class="btn" value="Login">
                    <span>OR</span>
                    <div><b>Login with</b></div>
                    <div>
                        <ul>
<li><a href="#"><I class="fab fa-facebook" aria-hidden="true"></i></a></li>
<li><a href="#"><I class="fab fa-twitter" aria-hidden="true"></i></a></li>
<li><a href="#"><I class="fab fa-google"  aria-hidden="true"></i></a></li>
<li><a href="#"><I class="fab fa-linkedin" aria-hidden="true"></i></a></li>
<li><a href="#"><I class="fab fa-instagram" aria-hidden="true"></i></a></li>
                    </ul>
            </div>
                    <div class="app" ><b>Don't have an account?</b><a id="app1"
href="signup.html">REGISTER</a></div>
        </form>
    </div>
</div>
<script type="text/javascript" src="..\static\js\login.js"></script>
</body>
</html>
```

8.TESTING:

8.1 TEST CASES:

S.NO	Test Cases	Result
1	Verify the user is able to see the Sign up page when the user clicks the signup button in navigation bar	Positive
2	Verify the UI elements in the Sign up page	Positive
3	Verify the user is able to register into the application by providing valid details	Positive
4	Verify the user is able to see the sign in page when the user clicks the sign in button in navigation bar	Positive
5	Verify the UI elements in the Sign in page	Positive
6	Verify the user is able to login into the application by providing valid details	Positive
7	Verify the user is able to see the add expenses page when the user clicks the add expenses navigation bar	Positive
8	Verify the UI elements in the add expenses page	Positive
9	Verify the user is able to add expenses by providing valid details	Positive
10	Verify the user is able to see the home button in the add expenses page	Positive
11	Verify whether the expenses added can be deleted from the cloud	Positive
12	Verify whether the expenses added can be edited	Positive
13	Verify whether the date, month and year are valid while user entering the expenses	Positive
14	Verify whether the data types entered by the user in the add expenses page are float or integers	Positive
15	Verify whether expenses added previously still exist	Positive
16	Verify whether the expenses amount entered fits between in the range of integers or float datatypes	Positive

8.2 USER ACCEPTANCE TESTING:

Test case ID	Feature Type	Component	Test Scenario	Steps To Execute	Test Data	Expected Result	Actual Result
LoginPage_TC_OO1	Functional	Home Page	Verify user is able to see the Login/Signup popup when user clicked on My account button	1. Click the my account button. 2. Check whether login/signup pop up appears	-	Login/Signup popup should display	Working as expected
LoginPage_TC_OO2	UI	Home Page	Verify the UI elements in	1. Visit the Signup/Logi		Application should show	Working as expected

			Login/Signup popup	n page. 2. Verify the UI elements.	-	below UI elements: a.email text box b.password text box c.Login button with orange colour d.New customer? Create account link e.Last password? Recovery password link	
LoginPage_TC_OO4	Functional	Login page	Verify user is able to log into application with Valid credentials	1. Visit the login page. 2. Enter right credientials.	User id: karan16@gmail.com Password:karanKa	Application should not show 'inorrect email or password ' validation message.	Working as expected
LoginPage_TC_OO5	Functional	Login page	Verify user is able to log into application with InValid credentials	1. Visit the login page. 2. Enter wrong credientials	User id: karan1606@gmail.com Password: KaranKa	Application should show 'Incorrect email or password ' validation message.	Working as expected
Add_expense_page_TC_001	Functional	Add expense page	Verify the user could add the expenses &	1. Visit the login page. 2.Enter right credientials.	Input data: 25	Application should store the value on entering and	Working as expected

			delete them	3. Enter input data and delete them.		deletes it on clicking delete button.	
Add_expense_page_TC_002	Functional	Add expense page	Verify the user enters only numericals in add expenses input.	1. Visit the login page. 2.Enter right credientials. 3.Enter numerical values in input And not strings.	Input data 1: 50 Input data 2: m	Application should store numerical values and not strings.	Working as expected
Add_expense_page_TC_003	Functional	Add expense page	Verify the date, month and year are valid	1. Visit the login page. 2.Enter right credientials. 3. Check whether date, month and year are valid.	June 5, 1999	Application should display only valid date,month and year	Working as expected

9. RESULTS:

9.1 Performance Metrics:

● **Tracking income and expenses:** Monitoring the income and tracking all expenditures (through bank accounts, mobile wallets, and credit & debit cards).

● **Transaction Receipts:** Capture and organize your payment receipts to keep track of your expenditure.

● **Organizing Taxes:** Import your documents to the expense tracking app, and it will streamline your income and expenses under the appropriate tax categories.

● **Payments & Invoices:** Accept and pay from credit cards, debit cards, net banking, mobile wallets, and bank transfers, and track the status of your invoices and bills in the mobile app itself.

Also, the tracking app sends reminders for payments and automatically matches the payments with invoices.

● **Reports:** The expense tracking app generates and sends reports to give a detailed insight about profits, losses, budgets, income, balance sheets, etc.,

● **E-commerce integration:** Integrate your expense tracking app with your eCommerce store and track your sales through payments received via multiple payment methods.

● **Vendors and Contractors:** Manage and track all the payments to the vendors and contractors added to the mobile app.

● **Access control:** Increase your team productivity by providing access control to particular users through custom permissions.

● **Track Projects:** Determine project profitability by tracking labor costs, payroll, expenses, etc., of your ongoing project.

● **Inventory tracking:** An expense tracking app can do it all. Right from tracking products or the cost of goods, sending alert notifications when the product is running out of stock or the product is not selling, to purchase orders.

● **In-depth insights and analytics:** Provides in-built tools to generate reports with easy-to understand visuals and graphics to gain insights about the performance of your business.

● **Recurrent Expenses:** Rely on your budgeting app to track, streamline, and automate all the recurrent expenses and remind you on a timely basis.

10. ADVANTAGES & DISADVANTAGES:

ADVANTAGES:

- With proper tracking of your finances, you will not be able to determine unnecessary spending. This spending, if saved, can easily add up to quite a bit.
- 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.
- Has various components of updating and viewing users expenditure
- User can track his expenses by choosing a day and using various filtering Options to study expenses
- Visualization using pie chart with percentage view shows graphical Representation.
- This approach effectively keeps away from the manual figuring for trying
- Not to ascertain the pay and cost each month.
- With a daily expense manager, you will be able to allocate money to different priorities and this will also help you cut down on unnecessary spending. As a result, you will be able to save and be able to keep worry at bay.
- A daily money tracker helps you budget your money so that you use it wisely. If you find that every month your expenses are more than what you earn, it is time to put your house in order and get a money manager app that keeps track of your money without any problem

DISADVANTAGES:

- Lack of visual analytics for expense data
- Lack of support for splitting group expenses
- Suitable for only Personal use.
- Errors are another common problem expense reports drafted with Excel. As is the case with all tasks performed manually and based on paper, it is extremely likely that business

travellers who report expenses make involuntary mistakes: numbers entered wrongly, duplicated expenses or expenses relating to a previous settlement period, misapplication of the expense policy, etc.

- 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.

11.CONCLUSION:

From this project, we are able to manage and keep tracking the daily expenses as well as income. While making this project, we gained a lot of experience of working as a team. We discovered various predicted and unpredicted problems and we enjoyed a lot solving them as a team. We adopted things like video tutorials, text tutorials, internet and learning materials to make our project complete.

12. FUTURE SCOPE:

1. Mobility

Businesses are becoming increasingly global and employees are more mobile than ever. According to the Certify Expense Management Trends Report 2018, 47 percent of organizations felt that mobile applications and accessibility were a critical capability of expense reporting software.

Expense management software will begin to respond to this change in the manner that people work by facilitating mobility. Employees will be able to submit reports and managers can approve the claims from a smartphone. Also, mobile applications will become more intuitive and responsive, encouraging greater adoption.

2. Travel booking

According to a 2018 study by Trip actions, 90 percent of respondents believe that travel is important for growth. However, 50 percent of employees don’t use the corporate travel solution offered by their organization owing to difficulties and the time taken to book a trip. They prefer using consumer channels.

Using multiple external vendors and disjointed channels to book travel can become tedious and lead to a lot of last-minute chaos. Also, the expenses have to be recorded accurately in the expense management system. It’s imperative to integrate the same into expense management software.

3. Integrated system

In 2019, expense management software will begin to consolidate currently disparate actions into a seamless system with credit cards, bank accounts, accounting, payroll, CRM, and more in one place. All these systems share a lot of common information, and it makes perfect sense to connect all these to ensure data integrity.

When integrated with travel applications and travel management company (TMC) solutions, transactions can be entered directly into the system without the need for manual input. Corporate cards can also be linked to the software, which makes it easier to reconcile credit card statements with expense reports.

4. Optical character recognition

According to 66 percent of respondents from the Certify Expense Management Trends Report 2018, ease of use was the top-most feature needed. Traveling employees spend a lot of time filling out expense reports. By using expense management software, businesses brought down the time and cost of expense reporting. This will further go down with advancements in OCR technology.

Optical character recognition (OCR) will be one of the significant ways in which the ease-of-use of expense management tool will be enhanced. It eliminates the need to manually input data from receipts into forms. It will also facilitate mobility.
Employees could just snap a picture of a receipt and have the software extract all the necessary information from it to fill a report. OCR technology is accurate up to 95 percent and doesn’t need too much human intervention to verify the information that’s been uploaded.

5. Artificial intelligence

As machine learning and artificial intelligence (AI) evolve, they will add to the sophistication of expense management software. There will be improved ability to assign expense general ledger codes based on submissions and smarter categorization of expense types. Rudimentary versions of this exist in a few tools that use rule-based categorization.

AI-powered automation is also expected to minimize fraudulent expense reports. It can monitor, track, and approve expenses, and compliance-related issues will immediately be flagged and eliminated.

13. APPENDIX:

SOURCE CODE:

app.py

```
 from flask import Flask, render_template, request
import logging
from logging import Formatter, FileHandler
from forms import *
import os
app = Flask(__name__)
app.config.from_object('config')
@app.route('/')
Def home():
 Return render_template('pages/placeholder.home.html')
@app.route('/about')
Def about():
    Return render_template('pages/placeholder.about.html')
@app.route('/login')
Def login():
    Form = LoginForm(request.form)
    Return render_template('forms/login.html', form=form)
@app.route('/register')


Def register()
Form = RegisterForm(request.form)
Return render_template('forms/register.html', form=form)
@app.route('/forgot')
Def forgot():
    Form = ForgotForm(request.form)
    Return render_template('forms/forgot.html', form=form)
@app.errorhandler(500)
Def internal_error(error):
    #db_session.rollback()
    Return render_template('errors/500.html'), 500
@app.errorhandler(404)
Def not_found_error(error):
    Return render_template('errors/404.html'), 404
If not app.debug:
    File_handler = FileHandler('error.log')
    File_handler.setFormatter(
        Formatter('%(asctime)s %(levelname)s: %(message)s [in %(pathname)s:%(lineno)d]')
    )
    App.logger.setLevel(logging.INFO)
    File_handler.setLevel(logging.INFO)
    App.logger.addHandler(file_handler)
    App.logger.info('errors')
#----------------------------------------------------------------------------#
# Launch
.#----------------------------------------------------------------------------#
If __name__ == '__main__':
    App.run()
```

Config.py:

```
Import os
# Grabs the folder where the script runs.
Basedir = os.path.abspath(os.path.dirname(__file__))
# Enable debug mode.
DEBUG = True
# Secret key for session management. You can generate random strings here:
# https://randomkeygen.com/
SECRET_KEY = ‘ ‘

# Connect to the database
SQLALCHEMY_DATABASE_URI = ‘sqlite:///’ + os.path.join(basedir, ‘database.db’)
```

Fabfile.py:

```
From fabric.api import local, settings, abort
From fabric.contrib.console import confirm
# prepare for deployment
Def test():
    With settings(warn_only=True):
        Result = local(
 “python test_tasks.py -v && python test_users.py -v”, capture=True
        )
    If result.failed and not confirm(“Tests failed. Continue?”):
        Abort(“Aborted at user request.”)
Def commit():
    Message = raw_input(“Enter a git commit message: “)
    Local(“git add . && git commit -am ‘{}’”.format(message))
Def push():
    Local(“git push origin master”)
Def prepare():
    Test()
    Commit()
    Push()
# deploy to heroku
Def pull():
    Local(“git pull origin master”)
Def heroku():
    Local(“git push heroku master”)
Def heroku_test():
    Local(
        “heroku run python test_tasks.py -v && heroku run python test_users.py -v”
    )
Def deploy():
    Pull()
    Test()
    Commit()
    Heroku()
    Heroku_test()
# rollback
Def rollback():
    Local(“heroku rollback”)
```

Forms.py:

```
From flask_wtf import Form
From wtforms import TextAreaField, PasswordField
From wtforms.validators import DataRequired, EqualTo, Length
# Set your classes here.
Class RegisterForm(Form):
    Name = TextAreaField(
        'Username', validators=[DataRequired(), Length(min=6, max=25)]
    )
    Email = TextAreaField(
        'Email', validators=[DataRequired(), Length(min=6, max=40)]
    )
    Password = PasswordField(
        'Password', validators=[DataRequired(), Length(min=6, max=40)]
    )
    Confirm = PasswordField(
        'Repeat Password',
        [DataRequired(),
        EqualTo('password', message='Passwords must match')]
    )
Class LoginForm(Form):
    Name = TextAreaField('Username', [DataRequired()])
    Password = PasswordField('Password', [DataRequired()])
Class ForgotForm(Form):
    Email = TextAreaField(
        'Email', validators=[DataRequired(), Length(min=6, max=40)]
    )
```

Models.py:

```
From sqlalchemy import create_engine
From sqlalchemy.orm import scoped_session, sessionmaker
From sqlalchemy.ext.declarative import declarative_base
# from sqlalchemy import Column, Integer, String
# from app import db
Engine = create_engine('sqlite:///database.db', echo=True)
Db_session = scoped_session(sessionmaker(autocommit=False,
                                Autoflush=False,
                                Bind=engine))
Base = declarative_base()
Base.query = db_session.query_property()
Base.metadata.create_all(bind=engine)
```

Requirements.txt:

```
Fabric
Flask-SQLAlchemy
Flask-WTF
WTForms
Coverage
```

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;*/
        Color: yellowgreen;
}
.cta {
        Display: inline-block;
        Padding: 10px 30px;
        Color: white;
        Background-color: transparent;
        Border: 2px solid yellowgreen;
        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: yellowgreen;
}
.brand h1 {
        Font-size: 3rem;
        Text-transform: uppercase;
        Color: white;
}
.brand h1 span {
        Color: pink;
}

/* 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: yellowgreen;
}
#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/bg.jpg);
        Background-size: cover;
        Background-position: top center;
        Position: relative;
        z-index: 1;
}
#hero::after {
        Content: ‘’;
        Position: absolute;
        Left: 0;
        Top: 0;
        Height: 100%;
        Width: 100%;
        Background-color: black;
        Opacity: 0.7;
        z-index: -1;
}
```

```
#hero .hero {
	Max-width: 1200px;
	Margin: 0 auto;
	Padding: 0 50px;
	Justify-content: flex-start;
}
#hero h1 {
	Display: block;
	Width: fit-content;
	Font-size: 4rem;
	Position: relative;
	Color: transparent;
	Animation: text_reveal 0.5s ease forwards;
	Animation-delay: 1s;
}
#hero h1:nth-child(1) {
	Animation-delay: 1s;
}
#hero h1:nth-child(2) {
	Animation-delay: 2s;
}
#hero h1:nth-child(3) {
	Animation: text_reveal_name 0.5s ease forwards;
	Animation-delay: 3s;
}
#hero h1 span {
	Position: absolute;
	Top: 0;
	Left: 0;
	Height: 100%;
	Width: 0;
	Background-color: yellowgreen;
	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;
}
/* End About Section */
/* contact Section */
#contact .contact {
        Flex-direction: column;
```

```
        Max-width: 1200px;
        Margin: 0 auto;
        Width: 90%;
}
#contact .contact-items {
        /* max-width: 400px; */
        Width: 100%;
}
#contact .contact-item {
        Width: 80%;
        Padding: 20px;
        Text-align: center;
        Border-radius: 10px;
        Padding: 30px;
        Margin: 30px;
        Display: flex;
        Justify-content: center;
        Align-items: center;
        Flex-direction: column;
        Box-shadow: 0px 0px 18px 0 #0000002c;
        Transition: 0.3s ease box-shadow;
}
#contact .contact-item:hover {
        Box-shadow: 0px 0px 5px 0 #0000002c;
}
#contact .icon {
        Width: 70px;
        Margin: 0 auto;
        Margin-bottom: 10px;
}
#contact .contact-info h1 {
        Font-size: 2.5rem;
        Font-weight: 500;
        Margin-bottom: 5px;
}
#contact .contact-info h2 {
        Font-size: 1.3rem;
        Line-height: 2rem;
        Font-weight: 500;
}
/*End contact Section */
/* Footer */
#footer {
        Background-image: linear-gradient(60deg, #29323c 0%, #485563 100%);
}
#footer .footer {
        Min-height: 200px;
        Flex-direction: column;
        Padding-top: 50px;
        Padding-bottom: 10px;
}
#footer h2 {
        Color: white;
        Font-weight: 500;
```

```
	Font-size: 1.8rem;
	Letter-spacing: 0.1rem;
	Margin-top: 10px;
	Margin-bottom: 10px;
}
#footer .social-icon {
	Display: flex;
	Margin-bottom: 30px;
}
#footer .social-item {
	Height: 50px;
	Width: 50px;
	Margin: 0 5px;
}
#footer .social-item img {
	Filter: grayscale(1);
	Transition: 0.3s ease filter;
}
#footer .social-item:hover img {
	Filter: grayscale(0);
}
#footer p {
	Color: white;
	Font-size: 1.3rem;
}
/* End Footer */
/* Keyframes */
@keyframes hamburger_puls {
	0% {
		Opacity: 1;
		Transform: scale(1);
	}
	100% {
		Opacity: 0;
		Transform: scale(1.4);
	}
}
@keyframes text_reveal_box {
	50% {
		Width: 100%;
		Left: 0;
	}
	100% {
		Width: 0;
		Left: 100%;
	}
}
@keyframes text_reveal {
	100% {
		Color: white;
	}
}
@keyframes text_reveal_name {
	100% {
```

```
                Color: yellowgreen;
                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 .col-right {
			Text-align: left;
			Padding: 30px;
		}
		#about .col-right h1 {
			Text-align: left;
		}
		/* End About */
/* contact  */
		#contact .contact {
			Flex-direction: column;
			Padding: 100px 0;
			Align-items: center;
			Justify-content: center;
			Min-width: 20vh;
		}
		#contact .contact-items {
			Width: 100%;
			Display: flex;
			Flex-direction: row;
			Justify-content: space-evenly;
			Margin: 0;
		}
		#contact .contact-item {
			Width: 30%;
			Margin: 0;
			Flex-direction: row;
		}
		#contact .contact-item .icon {
			Height: 100px;
			Width: 100px;
		}
		#contact .contact-item .icon img {
			Object-fit: contain;
		}
		#contact .contact-item .contact-info {
			Width: 100%;
			Text-align: left;
			Padding-left: 20px;
		}
		/* End contact  */
}
/* End Media Query For Tablet */

/* Media Query For Desktop */
@media only screen and (min-width: 1200px) {
		/* header */
		#header .hamburger {
			Display: none;
		}
		#header .nav-list ul {
			Position: initial;
			Display: block;
			Height: auto;
```

```
                Width: fit-content;
                Background-color: transparent;
        }
        #header .nav-list ul li {
                Display: inline-block;
        }
        #header .nav-list ul li a {
                Font-size: 1.8rem;
        }
        #header .nav-list ul a:after {
                Display: none;
        }
        /* End header */
#services .service-bottom .service-item {
                Flex-basis: 22%;
                Margin: 1.5%;
        }
}
/* End  Media Query For Desktop */
```

Login. Css:

```
*{
        Padding: 0;
        Margin: 0;
        Box-sizing: border-box;
}
Body{
   Font-family: 'Poppins', sans-serif;
   Overflow: hidden;
}
.wave{
        Position: fixed;
        Bottom: 0;
        Left: 0;
        Height: 100%;
        z-index: -1;
}
.container{
   Width: 100vw;
   Height: 100vh;
   Display: grid;
   Grid-template-columns: repeat(2, 1fr);
   Grid-gap :7rem;
   Padding: 0 2rem;
}
.img{
        Display: flex;
        Justify-content: flex-end;
        Align-items: center;
}
.login-content{
        Display: flex;
        Justify-content: flex-start;
        Align-items: center;
```

```
        Text-align: center;
}
.img img{
        Width: 500px;
}
Form{
        Width: 360px;
}
.login-content img{
    Height: 100px;
}
.login-content h2{
        Margin: 15px 0;
        Color: #333;
        Text-transform: uppercase;
        Font-size: 2.9rem;
}
.login-content .input-div{
        Position: relative;
    Display: grid;
    Grid-template-columns: 7% 93%;
    Margin: 25px 0;
    Padding: 5px 0;
    Border-bottom: 2px solid #d9d9d9;
}

.login-content .input-div.one{
        Margin-top: 0;
}
.i{
        Color: #d9d9d9;
        Display: flex;
        Justify-content: center;
        Align-items: center;
}
.i i{
        Transition: .3s;
}
.input-div > div{
    Position: relative;
        Height: 45px;
}
.input-div > div > h5{
        Position: absolute;
        Left: 10px;
        Top: 50%;
        Transform: translateY(-50%);
        Color: #999;
        Font-size: 18px;
        Transition: .3s;
}
.input-div:before, .input-div:after{
        Content: ‘’;
        Position: absolute;
```

```
        Bottom: -2px;
        Width: 0%;
        Height: 2px;
        Background-color: #38d39f;
        Transition: .4s;
}
.input-div:before{
        Right: 50%;
}
.input-div:after{
        Left: 50%;
}
.input-div.focus:before, .input-div.focus:after{
        Width: 50%;
}
.input-div.focus > div > h5{
        Top: -5px;
        Font-size: 15px;
}

.input-div.focus > .i > i{
        Color: #38d39f;
}
.input-div > div > input{
        Position: absolute;
        Left: 0;
        Top: 0;
        Width: 100%;
        Height: 100%;
        Border: none;
        Outline: none;
        Background: none;
        Padding: 0.5rem 0.7rem;
        Font-size: 1.2rem;
        Color: #555;
        Font-family: ‘poppins’, sans-serif;
}
.input-div.pass{
        Margin-bottom: 4px;
}
A{
        Display: block;
        Text-align: right;
        Text-decoration: none;
        Color: #999;
        Font-size: 0.9rem;
        Transition: .3s;
}

A:hover{
        Color: #38d39f;
}
.btn{
        Display: block;
```

```
        Width: 100%;
        Height: 50px;
        Border-radius: 25px;
        Outline: none;
        Border: none;
        Background-image: linear-gradient(to right, #32be8f, #38d39f, #32be8f);
        Background-size: 200%;
        Font-size: 1.2rem;
        Color: #fff;
        Font-family: ‘Poppins’, sans-serif;
        Text-transform: uppercase;
        Margin: 1rem 0;
        Cursor: pointer;
        Transition: .5s;
}
.btn:hover{
        Background-position: right;
}
@media screen and (max-width: 1050px){
        .container{
                Grid-gap: 5rem;
        }
}
@media screen and (max-width: 1000px){
        Form{
                Width: 290px;
        }
        .login-content h2{
       Font-size: 2.4rem;
       Margin: 8px 0;
        }
        .img img{
                Width: 400px;
        }
}
@media screen and (max-width: 900px){
        .container{
                Grid-template-columns: 1fr;
        }
        .img{
                Display: none;
        }
        .wave{
                Display: none;
        }
        .login-content{
                Justify-content: center;
        }
}
.container{
        Overflow:scroll
}
.container::-webkit-scrollbar {
   Display: none;
```

```
}
Ul {
        Position:relative;
        Top:-20px;
        Left:0%;
        Right:10%;
        Transform: translate(-50%, -50%);
        Margin: 75px;
        Padding:0;
        Display:flex;
        Flex:auto;
 }
   Ul li {
        List-style: none;
 }
 Ul li a {
        Position: relative;
        Width:60px;
        Height:60px;
        Display:block;
        Text-align:center;
        Margin:0 10px;
        Border-radius: 50%;
        Padding: 6px;
        Box-sizing: border-box;
        Text-decoration:none;
        Box-shadow: 0 10px 15px rgba(0,0,0,0.3);
        Background: linear-gradient(0deg, #ddd, #fff);
        Transition: .5s;
 }
 Ul li a:hover {
        Box-shadow: 0 2px 5px rgba(0,0,0,0.3);
        Text-decoration:none;
 }
Ul li a .fab {
        Width: 100%;
        Height:100%;
        Display:block;
        Background: linear-gradient(0deg, #fff, #ddd);
        Border-radius: 50%;
        Line-height: calc(60px – 12px);
        Font-size:24px;
        Color: #262626;
        Transition: .5s;
 }
 Ul li:nth-child(1) a:hover .fab {
        Color: #3b5998;
 }
 Ul li:nth-child(2) a:hover .fab {
        Color: #00aced;
 }
 Ul li:nth-child(3) a:hover .fab {
        Color: #dd4b39;
 }
```

```
 Ul li:nth-child(4) a:hover .fab {
        Color: #007bb6;
 }
 Ul li:nth-child(5) a:hover .fab {
        Color: #e4405f;
 }
 .app{
          Position: relative;
          Top: -70px;
          Height: 5%;
}
 #app1{
          Color:blue ;
          Position:relative;
          Right:40%;
 }
 #png{
          Position: relative;
          Top: -300px;
          Right: 50px;
            }
```

Signup. Css :

```
@charset “utf-8”;
/* CSS Document */
Body{
 Background-color:#eef1f8;
 Margin:0px;
 Padding:0px;
}
A{
 Text-decoration:none;
}
.container{
 Width:100%;
 Height:100%;
 Background-color:#FFFFFF;
 Position: absolute;
 Left:50%;
 Top:49%;
 Transform:translate(-50%,-50%);
 Box-shadow:2px 2px 30px rgba(66,57,238,0.2);
 Border-radius:20px;
 Display:flex;
 Justify-content: center;
 Align-items:center;
 Background-image: url(‘../images/bg.gif’);
 Background-repeat:no-repeat;
 Background-size:cover;
}
.sign-up{
        Position: relative;
        Left: -250px;
 Width:50%;
 Display:flex;
```

```
 Flex-direction:column;
 Align-items: center;
 }
.text-container{
    Position: relative;
    Top:-100px; padding-bottom:-50px;
 Width:50%;
 Height:100%;
 Display:flex;
 Flex-direction:column;
 Justify-content: center;
 Align-items: center;
 Margin-left:700px;
 Margin-bottom:-10px;
 Top:-40px
 }
.heading{
 Font-family:calibri;
 Color:rgba(30,30,30,1);
Position: relative;
Left:80px ;
}
.text{
 Width:350px;
 Height:50px;
 Box-shadow:2px 6px 18px rgba(66,57,238,0.3);
 Border-radius: 30px;
 Display:flex;
 Align-items:center;
 Margin:10px;
}
.text input{
 Height:40px;
 Width:80%;
 Outline:none;
 Border:none;
 Font-size:14px;
 Margin:5px;
}
.text img{
 Margin-left:20px;
}
.conditions{
 Font-family:myriad pro;
 Color:#bbc1cb;
 Font-size:14px;
}
.trems{
    Top:20px ;
    Position: relative;
        Left:37px ;
Display: flex;
 Align-items:center;
}
```

```
.conditions a{
 Color:#7d22e3;
 Font-weight:500;
}
Button{
 Width:200px;
 Height:40px;
 Outline:none;
 Border:none;
 Border-radius:20px;
 Background:linear-gradient(-30deg,#3b02ed,#8e2ae0 55%);
 Box-shadow:2px 6px 16px rgba(66,57,238,0.3);
 Color:#FFFFFF;
 Font-weight:600;
 Letter-spacing:1px;
 Font-weight: 13px;
}
Button:active{
 Transform:scale(1.1);
}
.text-container p{
 Width:70%;
 Text-align: center;
 Font-family:arial;
 Font-size: 15px;
 Font-weight: 400;
 Line-height:0px;
}
Ul {
        Position:relative;
        Top:40px;
        Left:25%;
        Right:100px;
        Transform: translate(-50%, -50%);
        Margin: 75px;
        Padding:0;
        Display:flex;
        Flex:auto;
  }
   Ul li {
        List-style: none;
  }
   Ul li a {
        Position: relative;
        Width:60px;
        Height:60px;
        Display:block;
        Text-align:center;
        Margin:0 10px;
        Border-radius: 50%;
        Padding: 6px;
        Box-sizing: border-box;
        Text-decoration:none;
        Box-shadow: 0 10px 15px rgba(0,0,0,0.3);
```

```
        Background: linear-gradient(0deg, #ddd, #fff);
        Transition: .5s;
  }
  Ul li a:hover {
        Box-shadow: 0 2px 5px rgba(0,0,0,0.3);
        Text-decoration:none;
  }
  Ul li a .fab {
        Width: 100%;
        Height:100%;
        Display:block;
        Background: linear-gradient(0deg, #fff, #ddd);
        Border-radius: 50%;
        Line-height: calc(60px – 12px);
        Font-size:24px;
        Color: #262626;
        Transition: .5s;
  }
  Ul li:nth-child(1) a:hover .fab {
        Color: #3b5998;
  }
  Ul li:nth-child(2) a:hover .fab {
        Color: #00aced;
  }
  Ul li:nth-child(3) a:hover .fab {
        Color: #dd4b39;
  }
  Ul li:nth-child(4) a:hover .fab {
        Color: #007bb6;
  }

  Ul li:nth-child(5) a:hover .fab {
        Color: #e4405f;
  }
  .toop{
     Position: relative;
     Top: 20px;
          Left: 75px;
  }
  .check{
     Position: relative;
     Top: -8px;
     Left: -5px;
  }
  .para{
     Position: relative;
     Top: 0px;
          Left: -45px;
}
  .diag{
          Position: relative;
          Top:0px;
          Margin: 0px;
          Padding: 0px;
```

```
        Left:-10px;
}
.fig1{
        Position: relative;
        Size:200%;
}
#png{
        Position: relative;
        Left: -270px;
        Top: -45px;
}
.or{
        Position: relative;
        Left:180px;
}
.s1{
        Position: relative;
        Left: 140px;
}
.t{
        Position: relative;
        Left:-100px ;
        Top:10px;
}
```

Home.js:

```
Const hamburger = document.querySelector('.header .nav-bar .nav-list .hamburger');
Const mobile_menu = document.querySelector('.header .nav-bar .nav-list ul');
Const menu_item = document.querySelectorAll('.header .nav-bar .nav-list ul li a');
Const header = document.querySelector('.header.container');

Hamburger.addEventListener('click', () => {
        Hamburger.classList.toggle('active');
        Mobile_menu.classList.toggle('active');
});

Document.addEventListener('scroll', () => {
        Var scroll_position = window.scrollY;
        If (scroll_position > 250) {
                Header.style.backgroundColor = '#29323c';
        } else {
                Header.style.backgroundColor = 'transparent';
        }
});
Menu_item.forEach((item) => {
        Item.addEventListener('click', () => {
                Hamburger.classList.toggle('active');
                Mobile_menu.classList.toggle('active');
        });
});
```

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);
});
```

Add.html:

```
{% extends ‘base.html’ %}
{% block body %}
<div class=”container”>
   <div class=”row”>
      <div class=”col-md-6”>
         <h3>Add Expense</h3>
         <form action=”/addexpense” method=”POST”>

            <div class=”form-group”>
               <label for=””>Date</label>
               <input class=”form-control” type=”datetime-local” name=”date” id=”date”></div>
            <div class=”form-group”> <label for=””>Expense name</label>
               <input class=”form-control” type=”text” name=”expensename” id=”expensename”>
            </div>
            <div class=”form-group”>
               <label for=””>Expense Amount</label>
                <input class=”form-control”  type=”number”  name=”amount” id=”amount”>
            </div>
            <!-- <div class=”form-group”> <label for=””>Pay-Mode</label>
               <input class=”form-control” type=”text” name=”paymode” id=”paymode”>
            </div>
            <div class=”form-group”> <label for=””>Category</label>
               <input class=”form-control” type=”text” name=”category” id=”category”>
            </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=”imagge”>
            <img width=”90%” height=”90%” src=”../static/images/addd.jpg” class=”rounded float-
left” alt=”…”
            </div>
        </div>
    </div>
</div>
  {% endblock %}
```

Base.html:

```
<!DOCTYPE html>
<html lang=”en”>
<head>
    <link rel=”stylesheet”
href=https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/css/bootstrap.min.css integrity=”sha384-
TX8t27EcRE3e/ihU7zmQxVncDAy5uIKz4rEkgIXeMed4M0jlfIDPvg6uqKI2xXr2”
crossorigin=”anonymous”>
    <script src=https://cdn.jsdelivr.net/npm/chart.js@3.2.1/dist/chart.min.js></script>
   <script src=https://code.jquery.com/jquery-3.5.1.slim.min.js integrity=”sha384-
DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj”
crossorigin=”anonymous”></script>
<script src=https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.min.js
integrity=”sha384-
9/reFTGAW83EW2RDu2S0VKaIzap3H66lZH81PoYlFhbGU+6BZp6G7niu735Sk7lN”
crossorigin=”anonymous”></script>
<script src=https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js
integrity=”sha384-B4gt1jrGC7Jh4AgTPSdUtOBvfO8shuf57BaghqFfPlYxofvL8/KUEfYiJOMMV+rV”
crossorigin=”anonymous”></script>
<link rel=”stylesheet” href=https://pro.fontawesome.com/releases/v5.10.0/css/all.css
integrity=”sha384-
AYmEC3Yw5cVb3ZcuHtOA93w35dYTsvhLPVnYs9eStHfGJvOvKxVfELGroGkvsg+p”
crossorigin=”anonymous”/>
      <title>Document</title>
   <style>
  #hero {
        Background-image: url(‘../images/bg.jpg’);
        Background-size: cover;
        Background-position: top center;
        Position: relative;
        z-index: 1;
  }
  </style>
</head>
<body>
<section id=”hero”>
```

```
  <div class=”hero container” >
    </div>
</section>
  <nav class=”navbar sticky-top  navbar-expand-lg navbar-light” style=”background-color:
#e3f2fd;”>
    <a class=”navbar-brand” href=”#”>MyBudget</a>
    <button class=”navbar-toggler” type=”button” data-toggle=”collapse” data-
target=”#navbarSupportedContent” aria-controls=”navbarSupportedContent” aria-
expanded=”false” aria-label=”Toggle navigation”>
      <span class=”navbar-toggler-icon”></span>
    </button>
 <div class=”collapse navbar-collapse” id=”navbarSupportedContent”>
      <ul class=”navbar-nav mr-auto”>
        <li class=”nav-item active”>
         <a class=”nav-link” href=”home.html”>Home <span class=”sr-only”>(current)</span></a>
        </li>
        <li class=”nav-item”>
          <a class=”nav-link” href=”add.html”>Add</a>
        </li>
        <li class=”nav-item”>
          <a class=”nav-link” href=”display.html”>History</a>
        </li>
        <li class=”nav-item”>
          <a class=”nav-link” href=”limit.html”>Limit</a>
        </li>
        <li class=”nav-item dropdown”>
          <a class=”nav-link dropdown-toggle” href=”#” id=”navbarDropdown” role=”button” data-
toggle=”dropdown” aria-haspopup=”true” aria-expanded=”false”>
           Report
          </a>
          <div class=”dropdown-menu” aria-labelledby=”navbarDropdown”>
            <a class=”dropdown-item” href=”today.html”>TODAY</a>
            <a class=”dropdown-item” href=”month.html”>Month</a>
            <a class=”dropdown-item” href=”year.html”>Year</a>
          </div>
        </li>
      </ul>
        <div class=”form-inline my-5 my-lg-1” style=”position: absolute; left: 1250px;”>
      <ul class=”navbar-nav mr-auto “  >  <li class=”nav-item dropdown btn-group open”>
        <a class=”btn btn-primary” href=”#”><I class=”fa fa-user fa-fw”></i>User </a>
  <a class=”btn btn-primary dropdown-toggle “href=”#” id=”navbarDropdown”  data-
toggle=”dropdown” aria-haspopup=”true” aria-expanded=”false”>
  </a>
          <div class=”dropdown-menu” aria-labelledby=”navbarDropdown”>
            <a class=”dropdown-item” href=”#”>Profile</a>
            <a class=”dropdown-item” href=”#”>Settings</a>
            <a class=”dropdown-item” href=”#”>Contact-Us</a>
            <div class=”dropdown-divider”></div>
            <a class=”dropdown-item” style=”color: darkred;” href=”/logout”>Log-Out <I class=”fa fa-
sign-out” aria-hidden=”true”></i></a>
          </div>
        </li>
        <div “>
       </ul>
```

```
    </div>
   </div>
  </nav>
</body>
</html>
```

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[2]}}</span> </div>
               <div class="col-md-2 mt-3"><H6>{{row[3]}}</H6></div>
               <div class="col-md-2 mt-3" > ₹<span style=" color: rgb(255, 0, 0) "> {{row[4]}} </div>
               <div class="col-md-2 mt-3">
                  <span class="badge badge-pill badge-info">{{row[5]}}</span>
               </div>
               <div class="col-md-2 mt-3">
                  <span class="badge badge-primary">{{row[6]}}</span>
                  </div>
                  <div class="col-md-1 mt-3">
                     <a href="/edit/{{row[0]}}  "   class="btn btn-sm btn-success">Edit</a>
                  </div>
                  <div class="col-md-1 mt-3">
                        <a href="/delete/{{row[0]}}" class="btn btn-sm btnDelete btn-
success">Delete</a>
                   </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><a  href="/add"> ADD-
DATA </a> to Display</h3></div>
   <img  width=60% src="../static/images/not-found.png">
   </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[0]}}" method="POST">
    <input type="hidden" class="form-control"   name="" value = "{{expenses[0]}}" id="">
            <div class="form-group">
                <label for="">Date</label>
                <input class="form-control"  type="datetime-local" name="date"
value="{{expenses[2]}}"  id="date"></div>
          <script type="text/javascript">
                  Var d = new Date(value="{{expenses[2]}}" );
                  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[3]}}"
id="expensename">
            </div>
            <div class="form-group">
                <label for="">Expense Amount</label>
                 <input class="form-control"  type="number" min="0" name="amount"
value="{{expenses[4]}}" id="amount">
            </div>
            <div class="form-group">
                <label for=""></label>
                <select class="form-control" name="paymode" value="{{expenses[5]}}"
id="paymode">
                    <option selected hidden>{{expenses[5]}}</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[6]}}"  id="category">
                     <option  selected hidden>{{expenses[6]}}</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 %}
```

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>Personal Expense Tracker</title>
</head>
<body>
  <!—Header →
  <section id=”header”>
    <div class=”header container”>
      <div class=”nav-bar”>
        <div class=”brand”>
          <a href=”#hero”>
            </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=”login.html” data-after=”Login”>Login</a></LI>
          </ul>
        </div>
      </div>
    </div>
  </section>
  <!—End Header →
  <!—Hero Section  →
  <section id=”hero”>
    <div class=”hero container”>
      <div>
        <h1>Personal Expense Tracker <span></span></h1>
        <a href=”signup.html” 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”>Pr<span>o</span>ject</h1>
        <p>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 email alert.</p>
      </div>
      <div class=”service-bottom”>
```

```
        <div class="service-item">
          <div class="icon"><img src=https://img.icons8.com/bubbles/100/000000/services.png
/></div>
          <h2>Efficience</h2>
          <p>personal finance entails all the financial decisions and activities that a Finance app
makes your life easier by helping you to manage your finances efficiently.</p>
        </div>
        <div class="service-item">
          <div class="icon"><img src=https://img.icons8.com/bubbles/100/000000/services.png
/></div>
          <h2>Feature</h2>
          <p>A FLASK APP THAT USERS MAY USE ON A WEBSITE TO UPDATE THEIR DAILY
EXPENSES AND KEEP TRACK OF THEIR SPENDING.</p>
        </div>
        <div class="service-item">
          <div class="icon"><img src=https://img.icons8.com/bubbles/100/000000/services.png
/></div>
          <h2>Personal Expenses</h2>
          <p>Budgeting is more than paying bills and setting aside savings.it's about creating a
money plan for the life you want</p>
        </div>
        <div class="service-item">
          <div class="icon"><img src=https://img.icons8.com/bubbles/100/000000/services.png
/></div>
          <h2>Financial Life</h2>
          <p>Get your Complete financial picture at a glance. With MyBudget application you can
view your all the financial activities
          </p>
        </div>
      </div>
    </div>
  </section>
  <!—End Service Section →
  <!—About Section →
  <section id="about">
    <div class="about container">
      <div class="col-left">
        <div class="about-img">
          <div><h2></h2></div>
        </div>
      </div>
      <div class="col-right">
        <h1 class="section-title">About <span>Us</span></h1>
        <h2>Category: Cloud App Development</h2>
          <h2> Contributors:</h2>
          <h2>Miruthula N</h2>
          <h2>Poornimadevi A</h2>
          <h2>Subadhina J</h2>
          <h2>Suuky M</h2>
        <p> </p>
        <a href="#footer" class="cta">Follow Us</a>
      </div>
    </div>
  </section>
```

```
  <!—End About Section →

  <!—Contact Section →
  <section id=”contact”>
    <div class=”contact container”>
      <div>
        <h1 class=”section-title”>Contact <span>info</span></h1>
      </div>
      <div class=”contact-items”>
        <div class=”contact-item”>
          <div class=”icon”><img src=https://img.icons8.com/bubbles/100/000000/phone.png /></div>
          <div class=”contact-info”>
            <h1>Phone Number</h1>
            <h2>9876543201</h2>
                  </div>
        </div>
        <div class=”contact-item”>
          <div class=”icon”><img src=https://img.icons8.com/bubbles/100/000000/new-post.png
/></div>
          <div class=”contact-info”>
            <h1>Email</h1>
            <h2>abcd@gmail.com</h2>
           </div>
        </div>
        <div class=”contact-item”>
          <div class=”icon”><img src=https://img.icons8.com/bubbles/100/000000/map-marker.png
/></div>
          <div class=”contact-info”>
            <h1>Address</h1>
            <h2>Madurai,Tamil Nadu, India</h2>
          </div>
        </div>
      </div>
    </div>
  </section>
  <!—End Contact Section →
  <!—Footer →
  <section id=”footer”>
    <div class=”footer container”>
      <div class=”brand”>
        <h1><span>P</span>ersonal <span>E</span>xpense <span>T</span>racker</h1>
      </div>
      <div class=”social-icon”>
        <div class=”social-item”>
          <a href=”#”><img src=https://img.icons8.com/bubbles/100/000000/facebook-new.png /></a>
        </div>
        <div class=”social-item”>
          <a href=”#”><img src=https://img.icons8.com/bubbles/100/000000/instagram-new.png
/></a>
        </div>
        <!-- <div class=”social-item”>
          <a href=”#”><img src=https://img.icons8.com/bubbles/100/000000/twitter.png /></a>
        </div> →
        <div class=”social-item”>
```

```
        <a href="#"><img src=https://img.icons8.com/bubbles/100/000000/behance.png /></a>
       </div>
     </div>
   </div>
  </section>
  <!—End Footer →
  <script src="..\static\js\home.js"></script>
</body>
</html>
```

Homepage.html

```
<style>
   H1 {
      Position: relative;
      Right: -790PX;
      Top: -400PX;
      Color: RED;
   }
Span{
   Position: relative;
Right: -800px;
Top: -360px;
}
  .ccc {
       Position:relative;
       Top:80px;
       Left:100px;
        }
 .navbar{
       Overflow:hidden;
       Background-color:#333;
       Position:fixed;
       Bottom:0%;
       Width:100%;
       Height:7%;
       Padding:25x 32px;
       }
       .navbar a{
       Color: white;
       }
   </style>
   <div id=aa class="container">
   <div class="ccc">
      <img src="../static/images/images(13).jpeg">
      <h1>LET'S START THE JOURNEY</h1> </br>
    <form action='base.html' method="POST">
   </div>
</div>
<div style="text-align:center;font-size:20px"  class="navbar">
<a href="base.html">Let's Begin</a></div>
```

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>
      <button class=”btn btn-warning” type=”submit”>ENTER</button>
   </span>
</form>
{% endblock %}
```

Year.html

```
{% extends ‘base.html’ %}
{% block body %}
<div class=”container “>
<div class=”row”>
   <div class=”col-md-5”>
      <h3 class=”mt-5”>YEAR Expense Breakdown</h3>
      <div class=”card shadow mb-2 bg-white rounded-pill”>
         <div class=”card-body “>
         <div class=”row”>
            <div value = “month” class=”col-md-6”> </div>
            <div class=”col-md-6”>  AMOUNT   </div>
          </div>
         </div>
      </div>
      {% for row in texpense %}
      <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 %}
```

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">TIME</div>
                <div class="col-md-6">  AMOUNT   </div>
            </div>
            </div>
        </div>
        {% for row in texpense %}
        <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 %}
```

Signup.html

```
<html>
<head>
<meta charset=”utf-8”>
<title>Sign-up</title>
<link href=”..\static\css\signup.css” rel=”stylesheet”>
<script src=https://kit.fontawesome.com/a81368914c.js></script>
<link rel=”stylesheet” href=https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css
integrity=”sha384-
Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm”
crossorigin=”anonymous”>
</head>
<body>
 <!—container---------->
<div class=”container” >
 <!—sign-up-box-container->
<div class=”sign-up”>
    <div id=”png”></div>
 <!—heading>
 <form action=”login.html” method=”post”>
    <div class=”msg”></div>
 <h1 class=”heading”></h1>
 <!—name-box>
 <div class=”text”>
 <img height=”20px” src=”..\static\images\user.png” />
 <input placeholder=”Name” type=”text” name=”username”/>
 </div>
 <!—Email-box>
 <div class=”text”>
 <img height=”12px” src=”..\static\images\email.jpg” />
 <input placeholder=” Example@gmail.com” type=”email” name=”email” />
 </div>
 <!—Password-box>
 <div class=”text”>
 <img height=”20px” src=”..\static\images\password.png” />
 <input placeholder=” Password” type=”password” name=”password”/>
 </div>
<div class=”or”><b>OR</b></div>
<div class=”s1”><p><b>Sign-up with</b></p></div>
 <div>
    <ul>
       <li><a href=”#”><I class=”fab fa-facebook” aria-hidden=”true”></i></a></li>
```

```
        <li><a href="#"><I class="fab fa-twitter" aria-hidden="true"></i></a></li>
        <li><a href="#"><I <I class="fab fa-google"  aria-hidden="true"></i></a></li>
        <li><a href="#"><I class="fab fa-linkedin" aria-hidden="true"></i></a></li>
        <li><a href="#"><I class="fab fa-instagram" aria-hidden="true"></i></a></li>
    </ul>
</div>
<!—trems→
<div class="trems">
    <input class="check" type="checkbox" required/>
 <p class="conditions">I read and agree to <a href="#">Trems &amp;amp; Conditions</a></p>
 </div>
<!—button→
<div class="toop">
<button type="submit" class="btn btn-primary">CREATE ACCOUNT</button> </div>
</form>
<!—sign-in→
<div class="t"><p class="conditions" id="p3">Already have an account <a
href="login.html">Login</a></p> </div></div>
 </div>
<!—text-container→
<div class="text-container">
<div class="diag"><img class="fig1" width="100%" height="105%"
src="..\static\images\Inkeddia_LI.jpg"></div>
<div class="para"> <b></b></div>
  </div>
 </div>
</body>
</html>
```

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 texpense %}
        <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>Login Form</title>
	<link rel="stylesheet" type="text/css" href="..\static\css\login.css">
	<link href=https://fonts.googleapis.com/css?family=Poppins:600&display=swap
rel="stylesheet">
	<script src=https://kit.fontawesome.com/a81368914c.js></script>
	<meta name="viewport" content="width=device-width, initial-scale=1">
</head>
<body >
	<img class="wave" src="..\static\images\wave.png">
	<div class="container">
		<div class="img">
			<div id="png"></div>
			</div>
		<div class="login-content">
			<form action='homepage.html' method="POST">
				<div class="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">
					<h5>Username</h5>
					<input type="text" name="username" class="input" required>
			  </div>
			</div>
			<div class="input-div pass">
			  <div class="I">
				<I class="fas fa-lock"></i>
			  </div>
			  <div class="div">
				<h5>Password</h5>
				<input type="password"  name="password" class="input" required>
			  </div>
			</div>
			<a href="#">Forgot Password?</a>
			<input type="submit" class="btn" value="Login">
					<span>OR</span>
					<div><b>Login with</b></div>
					<div>
						<ul>
<li><a href="#"><I class="fab fa-facebook" aria-hidden="true"></i></a></li>
<li><a href="#"><I class="fab fa-twitter" aria-hidden="true"></i></a></li>
<li><a href="#"><I class="fab fa-google"  aria-hidden="true"></i></a></li>
<li><a href="#"><I class="fab fa-linkedin" aria-hidden="true"></i></a></li>
<li><a href="#"><I class="fab fa-instagram" aria-hidden="true"></i></a></li>
			</ul>
```

```
            </div>
                        <div class=”app” ><b>Don’t have an account?</b><a id=”app1”
href=”signup.html”>REGISTER</a></div>
        </form>
      </div>
   </div>
   <script type=”text/javascript” src=”..\static\js\login.js”></script>
</body>
</html>
```

GITHUP LINK:

https://github.com/IBM-EPBL/IBM-Project-16287-1659610621

DEMO VIDEO LINK:

https://drive.google.com/file/d/1-3QuTs07ORTVlZN3UCwQxga8i0_dwILc/view?usp=sharing