

# **MILESTONES AND ACTIVITY LISTS**

**PROJECT NAME:** Personal Expense Tracker Application

**TEAM ID:** PNT2022TMID27038

## **PREREQUISITES:**

→Python IDLE

→Flask

→IBM Cloud

→Docker

## **1.IDEATION PHASE**

→Literature Survey

→Empathize

→Defining Problem Statement

→Ideation

## **2.PROJECT DESIGN PHASE 1**

→ Proposed Solution

→ Problem Solution Fit

→ Solution Architecture

## **3.PROJECT DESIGN PHASE 2**

→ Functional Requirement

→ Customer Journey

→ Data flow Diagram

→Technology Architecture

## **4.SETTING UPAPPLICATION ENVIRONMENT**

- Create Flask Project
- Create IBM Cloud Account
- Install IBM Cloud CLI
- Docker CLI installation
- Create an account in Mailjet

## **5.IMPLEMENTING WEB APPLICATIONS**

- Create UI to interact with application
  - Signup page
  - Login Page
  - Dashboard
  - wallet
  - Graphical line representation
  - Logout page
- Create IBM DB2 and connect with Python
  - IBM DB2 with Python

## **6.INTEGRATING Mailjet SERVICE**

- Mailjet integration with Python code

## **7.DEPLOYMENT OFAPP IN IBM CLOUD**

- Containerize the app
  - Creating docker image for flask app
- Upload image to IBM container registry
- Deploy in Kubernetes cluster

## **8.PROJECT PLANNING PHASE**

- Prepare Milestone and Activity list
- Sprint Delivery Plan

## **9.PROJECT DEVELOPMENT PHASE**

- Project development -Delivery of sprint-1
- Project development -Delivery of sprint-2
- Project development -Delivery of sprint-3
- Project development -Delivery of sprint-4

## **10.FINAL DELIVERABLES**