

MILESTONES AND ACTIVITY LISTS

PROJECT NAME: Personal Expense Tracker Application

TEAM ID: PNT2022TMID39680

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