MILESTONES AND ACTIVITY LISTS

Team id	PNT2022TMID32570
Project Name	Plasma Donor Application
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PREREQUISITES:
- **Python IDLE**
- **Flask**
- **IBM**
- **Docker**

1. IDEATION PHASE:

- Literature Survey
- Empathize
- Defining Problem Statement
- Ideation

2. PROJECT DESIGN PHASE 1

- Problem Solution Fit
- Proposed Solution ➢

  Solution

  Architecture

3. PROJECT DESIGN PHASE 2

- Customer Journey
  - Functional Requirement
  - Data flow Diagram

➢ Technology Architecture

4. SETTING UP APPLICATION ENVIRONMENT

➢ Create Flask Project

➢ Create IBM Cloud Account

➢ Install IBm Cloud CLI

➢ Docker CLI installation

➢ Create an account in Sendgrid

5. IMPLEMENTING WEB APPLICATIONS

➢ Create UI to interact with application

- o Registration page o Login Page o Stats page to display the count o Request Page

➢ Create IBM DB2 and connect with Python

- o IBM DB2 with Python

6. INTEGRATING SENDGRID SERVICE

➢ Sendgrid integration with Python code

7. DEPLOYMENT OF APP IN IBM CLOUD

➢ Containerize the app

- o Docker image creation o 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