

MILESTONES AND ACTIVITY LISTS

PROJECT NAME: Plasma Donor Application

TEAM ID: PNT2022TMID02921

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 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
 - Registration page
 - Login Page
 - Stats page to display the count
 - Request Page
- Create IBM DB2 and connect with Python
 - IBM DB2 with Python

6. INTEGRATING SENDGRID SERVICE

- SendGrid integration with Python code

7. DEPLOYMENT OF APP IN IBM CLOUD

- Containerize the app
 - Docker image creation
 - 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