

MILESTONES AND ACTIVITY LISTS

Date	18 October 2022
Team ID	PNT2022TMID11415
Project Name	Plasma Donor Application
Maximum Marks	4 Marks

PREREQUISITES:

- Python IDLE
- Flask
- IBM Cloud
- Docker

IDEATION PHASE

- Literature Survey
- Empathize
- Defining Problem Statement
- Ideation

PROJECT DESIGN PHASE 1

- Proposed Solution
- Problem Solution Fit
- Solution Architecture

PROJECT DESIGN PHASE 2

- Functional Requirement
- Customer Journey
- Data flow Diagram
- Technology Architecture

SETTING UP APPLICATION ENVIRONMENT

- Create Flask Project
- Create IBM Cloud Account

- Install IBM Cloud CLI
- Docker CLI installation
- Create an account in SendGrid

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

INTEGRATING SENDGRID SERVICE

- SendGrid integration with Python code

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