

MILESTONES AND ACTIVITY LISTS

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Project Name	Plasma Donor Application
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PREREQUISITES: ○

Python IDLE

- **Flask**
- **IBM Cloud**
- **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 ○
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
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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