PLASMA DONOR APPLICATION - TECHNOLOGY ARCHITECTURE

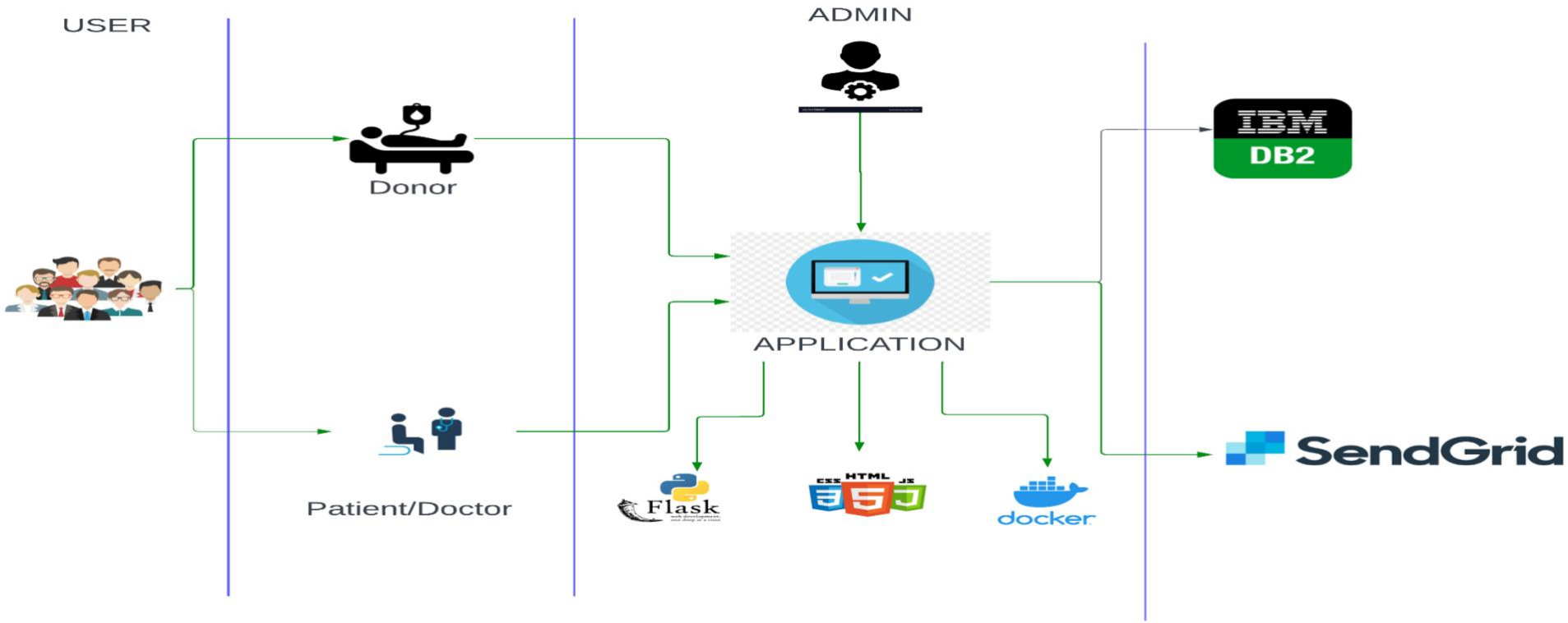

Table-1: Components & Technologies:

SNO	Component Description	Description	Technology
1	User Interface	The interaction between the use and application e.g.,Web UI, Mobile App, Chatbo	HTML, CSS, JavaScript / Bootstrap etc.
2	Application Logic-1	Framework used for design the application.	Python, Python - Flask
3	Application Logic-2	Accessing the cloud and storing details of the users both donors patients.	IBM Cloud, IBM DB2
4	Application Logic-3	Docker is an open-source platfo for building, deploying, and managing containerized applicat	Docker
5	Database	Data Type, Configurations etc.	SQL.
6	Cloud Database	Database Service on Cloud	BM Cloudant, IBM DB2
7	File Storage	File storage requirements	IBM Block Storage or O StorageService or Local Filesystem

Table-2: Application Characteristics:

sno	Characteristics	Description	Technology
1	Open-Source Framewo	Python – flask is an open-source framework used to develop the application.	Python – flask is an open-source framework used to develop the application.
2	Security Implementatic	Container registry and Kubernetes Cluster are used fo encryption of data.	Container registry and Kubernet Cluster
3	Scalable Architecture	Kubernetes Cluster allow containers to run across mu machines and environments.	Kubernetes Cluster
4	Availability	Kubernetes Cluster provides all time availability.	Kubernetes Cluster
5	Performance	Docker improves the application performance.	Docker