Project Design Phase - I

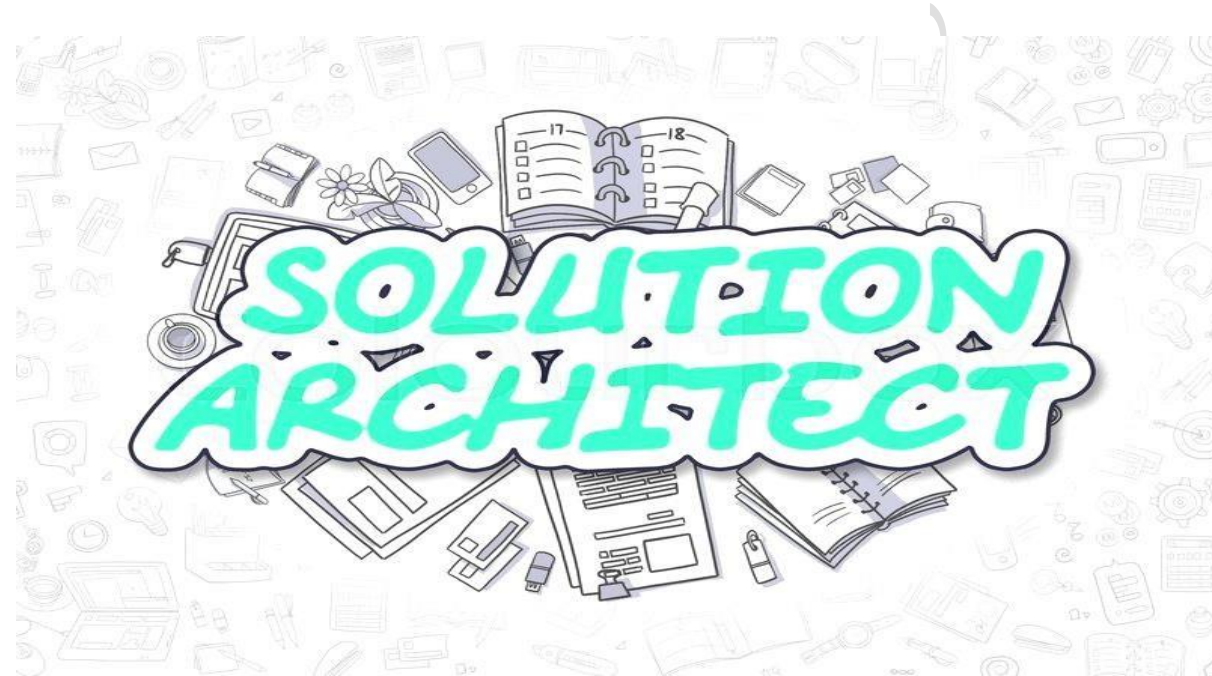**Solution Architecture**

Date	30 September 2022
Team ID	PNT2022TMID11654
Project Name	Plasma Donor Application
Maximum Marks	4 Marks

Figure 1: Solution Architecture Plasma Donor application – Donor

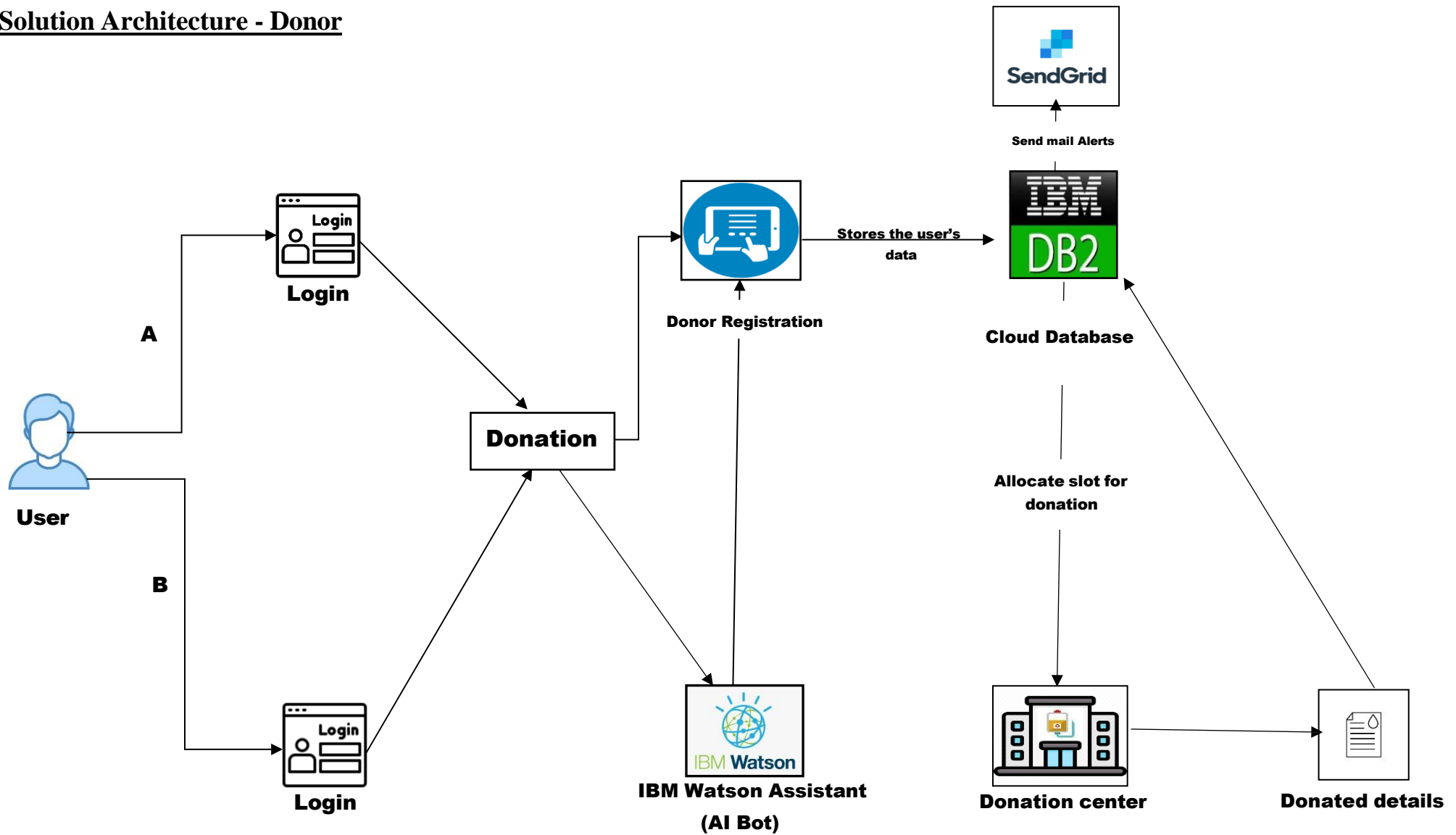*Figure 2: Solution Architecture Plasma Donor application – Recipient*

SOLUTION ARCHITECTURE

PROJECT NAME: Plasma Donor Application
TEAM ID: PNT2022TMID11654

Solution Architecture - Donor

Login

User

A

B

Login

Donation

Donor Registration

Stores the user's data

IBM Watson Assistant (AI Bot)

SendGrid

Send mail Alerts

Cloud Database

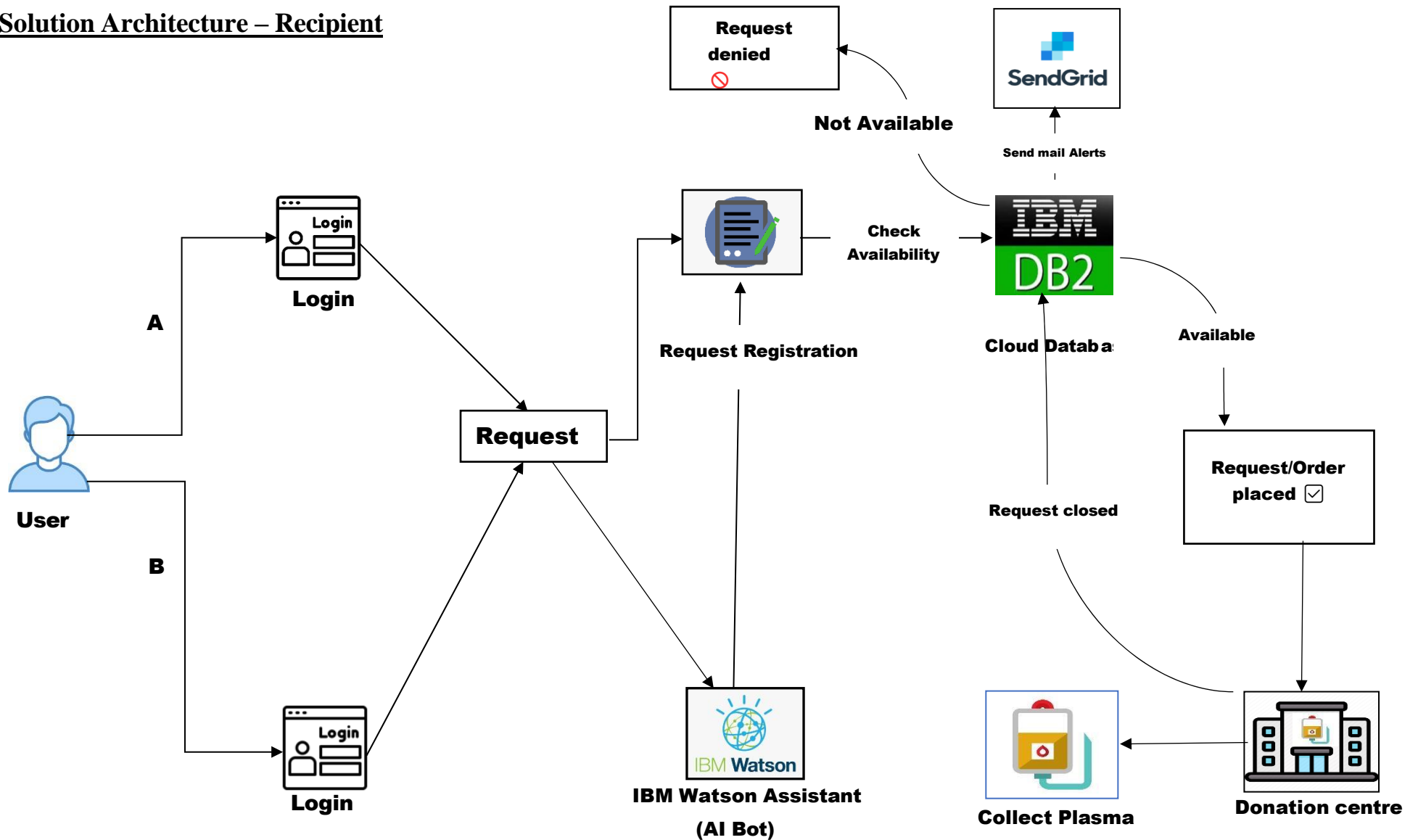Allocate slot for donation

Donation center

Donated details

Option A – User Manually use the Application

Option B – User use the AI Chatbot

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Solution Architecture – Recipient

Request denied 🚫

SendGrid

Not Available

Send mail Alerts

IBM DB2

Check Availability

Request Registration

Cloud Database

Available

Request

A

B

Login

Login

User

Request closed

Request/Order placed ☑

IBM Watson

IBM Watson Assistant (AI Bot)

Collect Plasma

Donation centre

Option A – User Manually use the Application

Option B – User use the AI Chatbot

Team ID: PNT2022TMID11654