**Background**   
This program is being undertaken by the American Red Cross. They need an application to measure which types of blood are currently in storage and which they are short in stock. This application will keep track of donor’s information, their blood type, and when they can donate.

**Benefits**

Easily keep track of donation records, send reminders to donors when they can donate again – Notifying Red Cross employees when a there’s a shortage

**Key Features**

* I. Register New Users
* II. Store Data
* A. (Blood types, donor’s name, address, telephone number, donation date)
* III. Retrieve Data through Search
* A. Pull Data about Donor
* IV. Ability to retrieve Donor Emails when they can donate again from last donation date
* V. Display amounts of different blood types currently in storage
* A. Graph on Employee Login

**Feature Description**

**LOGIN:**

1: Enter Email/Password in the given textboxes

1a: (Error Message for wrong Account Info)

2: If correct **Donor** Email/Password entered, display if Eligible/Not Eligible to Donate with the Donation Page

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3: If **Employee** Email/Password entered, the Donation Display Page will open,  
 3a: Displaying a graph of Blood Types in stock with Label for lowest three in current stock, relevant to the Donor’s entered into the database.

***Search Donor – Employee Login***

3b: Ability to Search Donor Names & Blood Types through a search textbox, resulting in the displaying of Donors information.

3c: (If no results on search - display error message)

***Donate Today?***

3d: Ability to Search for donors eligible to Donate Today, displaying the emails of those eligible to donate at that exact time.

**New Donor:**

4: If New Donor, ‘New Donor?’ will be clicked on the Login Page, displaying the New Donor Page

4a: New Donor will first be prompted, asking for their Age and Height/Weight, which will be checked to see if the Donor is eligible to donate

4b: If eligible, the New Donor will be allowed to enter in their personal information, which will be entered into the database on the ‘Register’ button click

4c: (Error Message if ineligible Age and Height/Weight Ratio)

4d: (Message popup for successful registration, then redirect back to Login Page)

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A screenshot of a cell phone

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**Comparison with similar apps**

**List apps here**

A screen shot of a smart phone

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**Design Ideas**

A screenshot of a cell phone

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