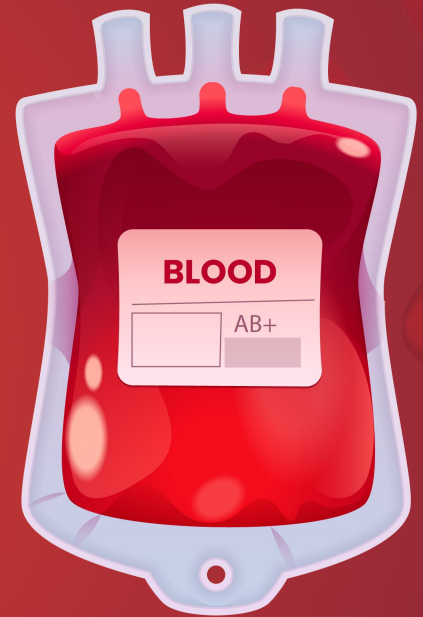


# Blood Bank Database

By: Lauren Broski and Salena Youhana



The background of the slide is a solid dark red color. Scattered throughout the background are several realistic-looking red blood cells, which are biconcave and have a lighter red, almost pinkish, center. They are positioned at various angles and sizes, giving a sense of depth and movement. One large red blood cell is prominent in the top left corner, another in the top right, and several others are visible in the bottom half of the slide.

# Problem Statement

The pandemic has taken a large toll on many industries; hospitality, education, and medical sectors to name a few. In hospitals, we acknowledge the lack of PPE and staff shortages, however the decreasing blood supply is not something on the forefront of the average American's mind. Blood centers have been struggling with donor turnout, cancellations of blood drive events, staffing shortages, and misinformation. According to [AmericasBlood.org](https://americasblood.org), 25% of centers are operating with a 1-2 days supply, 20% of centers are operating with a 0-1 day supply. With the amount of changes needed as blood goes from the donor to the center to the hospital to the patient, records about data can easily get ignored as the process can be quite tedious to update. We want to create a database system that will store information on blood donations and how those blood donations are then distributed. It will show what type of blood is donated, information about the donor and patient, medical personnel, and information about its distribution.

# Functional Requirements

**01**

## Nurses (other administrative users)

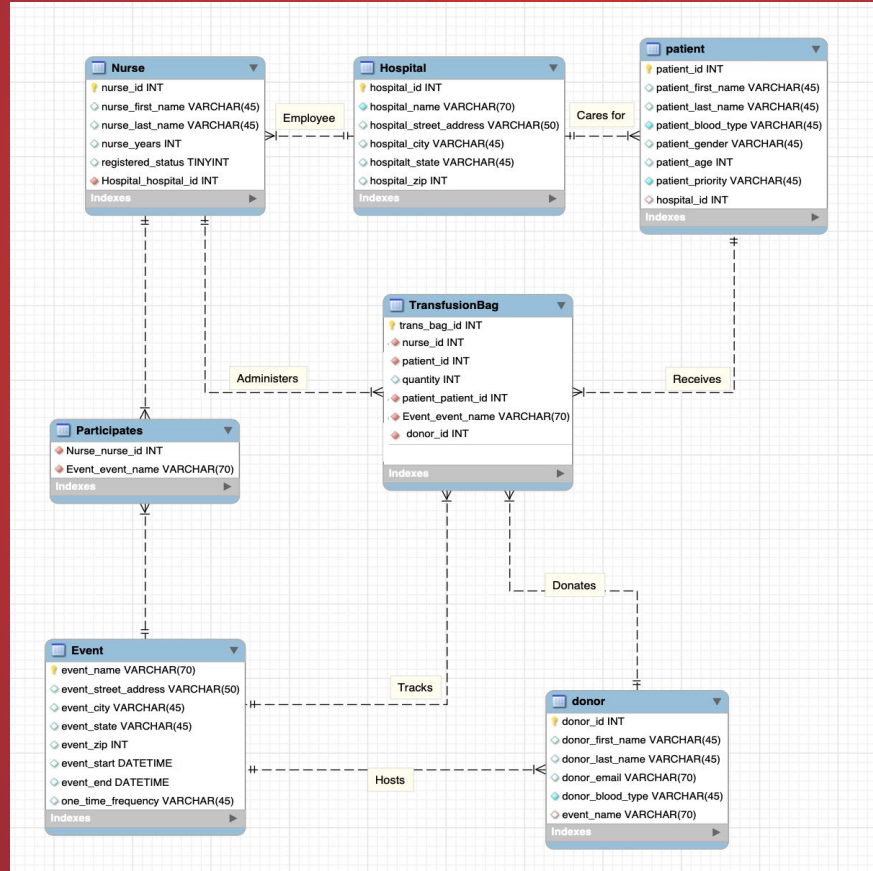
- Login to an account that has editing privileges
- Add, update, and delete patient and donor entities
- Search patient and donor tables based on any criteria
- Read information on events, supply status, and the staff.

**02**

## Users

- Login privileges to see where different blood drive/events take place.

# ER Diagram



# Tools, Framework, and Tech

## IDES

- Visual Studio Code
- MySQL Workbench

## Coding

- HTML and CSS
- PHP
- SQL

## Other Project Resources

- Google's G-Suite
- Github

The background is a solid red color. Scattered across the background are several red blood cells, depicted as biconcave discs. Some are in sharp focus, showing a bright red color and a slight shadow, while others are blurred or faded in the background. The word "DEMO" is centered in the middle of the image in a large, white, sans-serif font.

DEMO

The background of the slide is a solid dark red color. Scattered throughout the background are several 3D-rendered red blood cells, which are biconcave discs. One large cell is in the top left, two smaller ones are in the top right, and three more are in the bottom left, bottom center, and bottom right.

# Citations

“Blood Bank Center Presentation.” *Slidesgo*, <https://slidesgo.com/theme/blood-bank-center>.

“Documentation.” *Php*, <https://www.php.net/docs.php>.

*PHP Tutorial*, <https://www.tutorialspoint.com/php/index.htm>.

*PHP Tutorial*, <https://www.w3schools.com/php/>.