



**University of  
Dayton**

## **BLOOD DONOR MANAGEMENT SYSTEM**

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### **FINAL REPORT**

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**By**

**Pratyusha Reddy Thammineni (101707053)**

**Manaswini Yarkareddy (101709357)**

**Lakshmi Sai Shankar Kurma (101711506)**

**Tejaswini chilakapati (101711072)**

**Devi Sowjanya Yalamarthi (101710325)**

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# **Database Proposal:**

## **Description of Database:**

A blood donation may well be a process whereby someone voluntarily has blood drawn to be used for future transfusions when in need at hospitals for treatment procedures that require them. Donation is additionally of blood (blood drawn directly from the body) or of specific components of the blood; like red blood cells, white blood cells, plasma, and platelets. Blood banks often participate within the method of collecting blood and other procedures like managing stocks, approving blood requests and updating donation information. A blood donation might be a process whereby someone voluntarily has blood drawn to be used for future transfusions when in need at hospitals for treatment procedures that require them. Donation is additionally of blood (blood drawn directly from the body) or of specific components of the blood; like red blood cells, white blood cells, plasma, and platelets. Blood banks often participate within the method of collecting blood and other procedures like managing stocks, approving blood requests and updating donation information. A blood donation is also a process whereby a private voluntarily has blood drawn to be used for future transfusions when in need at hospitals for treatment procedures that require them. Donation could even be of blood (blood drawn directly from the body) or of specific components of the blood; like red blood cells, white blood cells, plasma, and platelets. Blood banks often participate within the method of collecting blood and other procedures like managing stocks, approving blood requests and updating donation information. A blood donation might be a process whereby a personal voluntarily has blood drawn to be used for future transfusions when in need at hospitals for treatment procedures that require them. Donation could even be of blood (blood drawn directly from the body) or of specific components of the blood; like red blood cells, white blood cells, plasma, and platelets. Blood banks often participate within the method of collecting blood and other procedures like managing stocks, approving blood requests and updating donation information personal.

A blood donation is also a process whereby a personal voluntarily has blood drawn to be used for future transfusions when in need at hospitals for treatment procedures that require them. Donation is additionally of blood (blood drawn directly from the body) or of specific components of the blood; like red blood cells, white blood cells, plasma, and platelets. Blood banks often participate within the method of collecting blood and other procedures like managing stocks, approving blood requests and updating donation information. A blood donation is also a process whereby someone voluntarily has blood drawn to be used for future transfusions when in need at hospitals for treatment procedures that require them. Donation is additionally of blood (blood drawn directly from the body) or of specific components of the blood; like red blood cells, white blood cells, plasma, and platelets. Blood banks often participate within the method of collecting blood and other procedures like managing stocks, approving blood requests and updating donation information. A blood donation can be a process whereby someone voluntarily has blood drawn to be used for future transitions when in need at hospitals for treatment procedures that require them. We all might donate or receive blood from banks in our entire life and this experience gives one a basic understanding of how the bank system operates. This includes donating blood, storing, retrieving, customer needs, etc. Where we'll incorporate this experience into the design. These experiences will qualify this team to form a donor management system. Blood Donor management is a browser-based system that's designed to store, process, retrieve and analyze information concerned with the manager and inventory management within a bank

### **Scope:**

The system (Blood Donor Management System) is supposed to help the bank administrator to satisfy the demand of Blood by collecting and storing the blood from donor. The proposed system gives the procedural approach of the thanks to bridge the gap between Donor and Administrator. This Application will provide a typical ground party and may confirm the fulfilment of demand for Blood requested by Recipient or bank. The features of proposed system are simple data entry, system should provide user friendly interfaces, no need to maintain any manual register and form , immediate

data retrieval so on. Project And Database Scope This system is utilized for maintaining all the strategy and activities of donor management system which includes donor information, blood, New Announcements, Campaign details. The system is extended to be used for maintaining records of hospital, organ donation and other similar sectors. While developing the system, there shall be space for further modification. There shall be an accurate documentation so further enhancement becomes easy. As a whole the system is targeted to work with bank management system and on additional modification it'll be also used as management systems of comparable organizations.

### **Benefits of Online Blood Donor Management System:**

#### **1. Understand Your Donors Better**

A donor management software can assist you in collecting large volumes of information about your donors, advocates, and volunteers. Robust software may also assist you in identifying trends and opportunities within your present constituency, as well as providing insight into how to reach out to new potential constituents. Having all of this information in one place is essential for better understanding your donors, improving your connections, and optimizing your donor lifecycle.

#### **2. Alleviate The Pain Of Staff Turnover**

Although many effective fundraisers can manage their work in their planner or even in their heads, a donor management system helps them to share their skills and experience with their entire staff and board of directors. With so much personnel and board turnover, this is incredibly beneficial. Whereas formerly, this information and insight would have been left with the departing organization member, now the entire nonprofit, not just the individual, may keep all of the goals, history, strategy, and data.

#### **3. Build Transparency with Your Supporters**

A strong donation management system will expand with your company. It assists you in capturing and storing important data that you'll need to generate reports for your Board of Directors, the IRS, and your donors. Keeping your donors informed is a crucial step in establishing trust and transparency with your organization's most critical supporters.

#### **4. Always Have Access To Your Donor Data**

Donor management tools that are cloud-based are always available when you need them. You can take up the donor's record on your phone while sitting in a coffee shop parking lot before meeting with a significant donor and thinking of ways to connect. You may use this to look up their children's names, check who last talked with them, and more. That's why having a mobile-friendly, cloud-based donor management solution is important.

#### **5. Keep All Your Data In One Place**

Integrations allow you to integrate all of the software tools you're already using to engage with your contributors online with a modern donor management platform. Integrations allow you to link the resources you need to manage your business every day, such as fundraising, marketing, prospecting, and accounting. This allows you to keep track of all of your vital data in one place.

#### **6. Save Time with Task Automation**

A donor management platform's automatic functions, such as scheduled reporting for your employees and board, can help you save time. Task reminders can also be used to remind you when it's time to contact each of your donors. This is crucial in order to keep your contributors engaged. You'll have more bandwidth and be able to focus on your mission thanks to automation.

#### **7. Make Giving Easy**

Many contributors anticipate online giving features that allow them to donate online and view their giving records whenever they need them. Online fundraising capabilities provided by a contemporary donor management platform make it simple for your donors to keep giving.

## **Description of Entities:**

The entities involved in this project are Admin, Donor, Campaigns, Blood, Announcements and users.

**Donor:** This entity is in a very position to appear at their donation records, including where and when they made donations, and schedule their next donations. ready to have a look at and update their personal information, including name, contact address, and signaling, to keep their donor's information record up-to-date with the bank. This entity has attributes like Id, name, gender, weight, people, email, number, username, password, guardians name.

**Admin:** This entity type is in an exceedingly position to form, update, delete, and query donor's records so as to manage donor information. Also, able to create, update, delete, and retrieve donation records to manage information about donations made. This entity has attributes like User\_id, username, password, name.

**Blood:** This entity type stores and represents all the info of the donor and manage the information has attributes like id, name, gender, date of birth, weight, blood group, address, contact, blood type, collection date.

**Campaign:** this entity represents all campaigns details conducted by the organizations. This entity has the attributes like the id, campaign name, organization name, number, date of the campaign, description about the campaign.

**Announcements:** This entity represents all the announcements made by the bank about the blood requirements with attributes like id, announcement name, people needed, date, organizer, and requirements of the donor.

**User:** This entity represents the donors that are in the system to view all the announcements and campaign details and also to view his own involvement in the ongoing or done campaigns.

**List of Tasks Performed on Database:**

- Inserted Admin info
- Inserted Donor info
- Inserted Blood info
- Inserted Announcements description
- Inserted Campaign description
- Inserted Users info
- Deleted unnecessary data
- Solved challenging queries

**Tools Used:**

Xampp: Server that hosts both user interface and handles database.

MySQLServer: It handles the large databases much faster than the existing solutions.

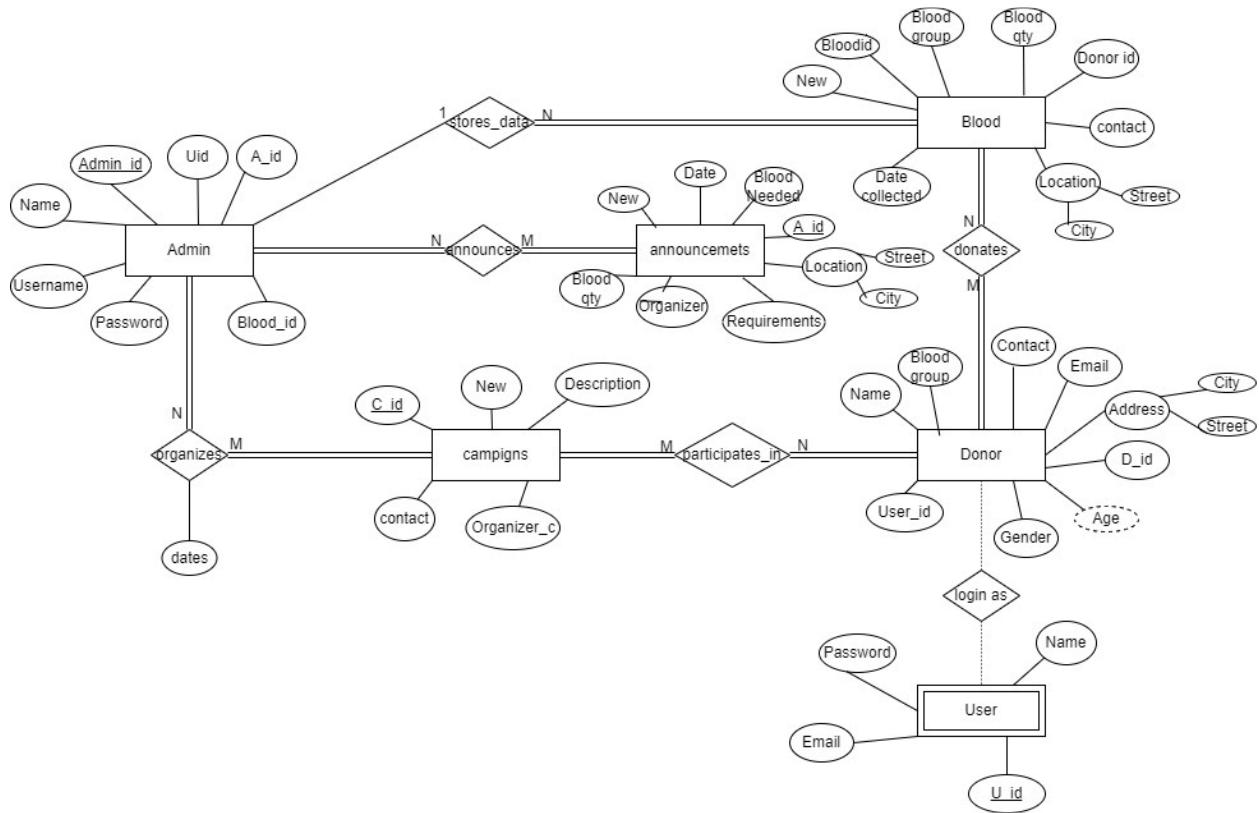
It consists of multi-threaded SQL server that supports different backends, several different client programs and administrative tools, libraries and application programming interfaces (APIs)

Its connectivity, speed and security make MySQL Server highly suited for accessing databases on the Internet.

Sublime Text 3.1.1- It is a sophisticated text editor for code, markup and prose. we will love the slick user interface, extraordinary features and amazing performance.

Web browsers: Google Chrome, Mozilla Firefox, Opera and Internet Explorer.

## ER Model



## Entities

**Admin** (Admin\_id, Admin\_password, Blood\_id, A\_id, Name, U\_id, username, password)

**Blood** (new, Blood\_id, Blood\_group, Blood\_qty, donor\_id, contact, location, Date\_collected)

**Announcements** (new, date, blood\_needed, A\_id, location, Requirements, Organizer, Blood\_qty)

**Campaigns** (C\_id, New, Description, contact, Organizer\_c)

**Donor** (name, blood\_group, contact, email, address, D\_id, age, gender, User\_id)

**User** (name, User\_id, email, password)

## **Related Entity Set**

**Specialization:** is the process of defining a set of subclasses of an entity type; this entity type is called the superclass of the specialization. Though I did not use a specific example of specialization in this project, one could see that donors, announcements and campaigns ,Blood,users. Once could make a general super class called ‘Admin’ and extend these three groups from it.

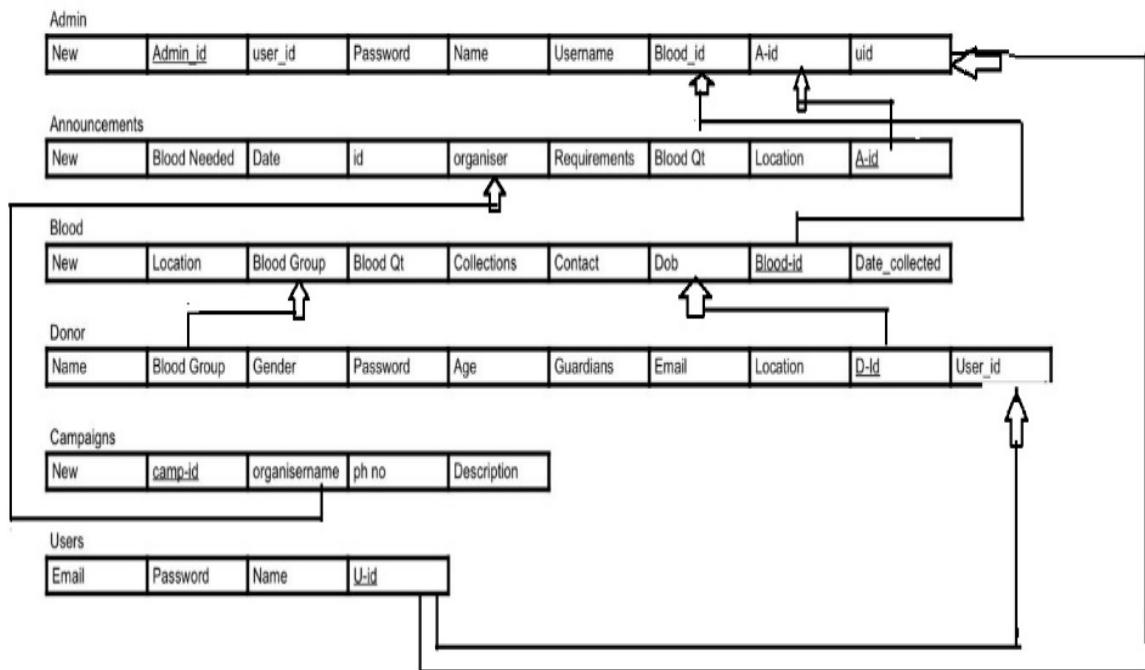
**Generalization:** is conceptually exactly the same as specialization, except that it is done in the opposite order. Common features from several entity types are identified and generalized into a single superclass. As stated above, one could generalize a superclass ‘admin’ from the three independent groups.

**Participation Constraints:** Specifies whether the existence of an entity depends on its being related to another entity via the relationship type. This constraint specifies the minimum number of relationship instances that each entity can participate in. These constraints are describing above in each of the relationship examples given.

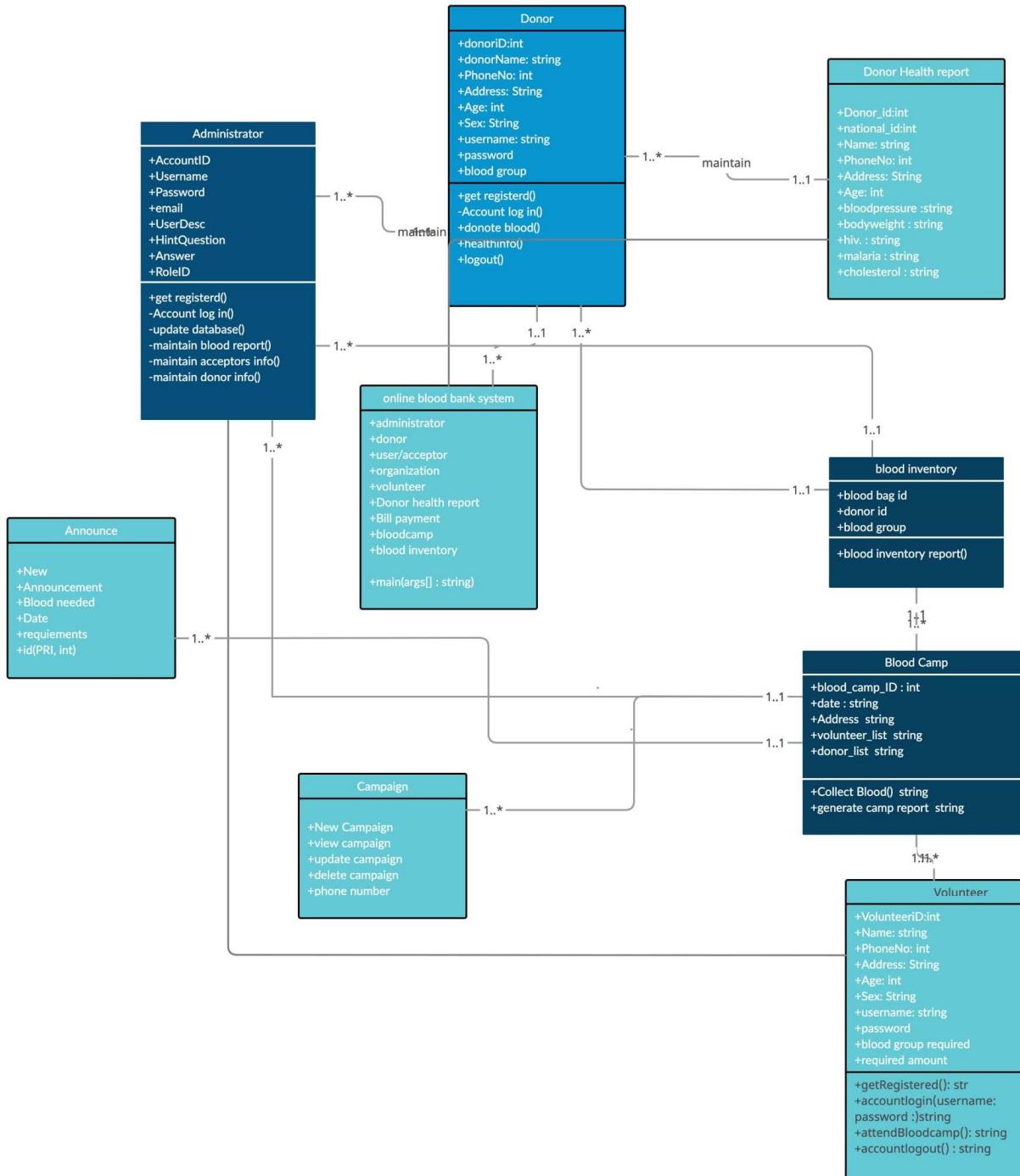
**Disjointness Constraint:** Specifies that the subclasses of the specialization must be disjoint. This means that an entity can be a member of at most one of the subclasses of the specialization. This project does not have this type of constraint. If the project had a superclass of donors and it broke out participates\_in as one class and login\_as as another class then this would be a disjointness constraint since one donor cannot be both.

**Aggregation:** Represents a relationship between a whole object and its component parts. Aggregation and association do not have different structural properties, and are both represented as relationships in the ER model. This project uses aggregation between BLOOD & DONOR entities. We modelled the information that contains donors in a separate ‘users’ aggregate entity.

## Normalized Relational model:



## Logical Model:



## **Physical Model:**

```
CREATE TABLE IF NOT EXISTS `admin` (
  `user_id` int(11) NOT NULL,
  `username` varchar(50) NOT NULL,
  `password` varchar(50) NOT NULL,
  `name` varchar(50) NOT NULL
) ENGINE=InnoDB AUTO_INCREMENT=3 DEFAULT CHARSET=latin1;
```

```
--  
-- Dumping data for table `admin`  
--
```

```
INSERT INTO `admin` (`user_id`, `username`, `password`, `name`) VALUES
(2, 'admin', 'admin', 'admin');
```

```
--  
-- Table structure for table `announce`  
--
```

```
CREATE TABLE IF NOT EXISTS `announce` (
  `id` int(11) NOT NULL,
  `announcement` varchar(50) NOT NULL,
  `bloodneed` varchar(3) NOT NULL,
  `dat` date NOT NULL,
  `organizer` varchar(50) NOT NULL,
  `requirements` text NOT NULL
) ENGINE=InnoDB AUTO_INCREMENT=3 DEFAULT CHARSET=latin1;
```

```
--  
-- Dumping data for table `announce`  
  
--  
  
INSERT INTO `announce` (`id`, `announcement`, `bloodneed`, `dat`, `organizer`,  
`requirements`) VALUES  
(1, 'DEMO ANNOUNCEMENT', 'B+', '2018-06-24', 'Helping Hands', 'Weight at least  
50kg, No alcohol intake in 24hrs prior to donation, light meal should be taken before  
donation, be in good health, must be 18 years old and must have at least 3 month  
interval than the last donation.'),  
(2, 'URGENT CASE: Serious Accident Condition', 'B-', '2021-03-26', 'City Hospital',  
'Must be in good health and feeling very well. Must weigh at least 110 lbs.');
```

---

```
--  
-- Table structure for table `blood`  
  
--  
  
CREATE TABLE IF NOT EXISTS `blood` (  
`id` int(11) NOT NULL,  
`name` varchar(20) NOT NULL,  
`gender` varchar(20) NOT NULL,  
`dob` date NOT NULL,  
`weight` int(11) NOT NULL,  
`bloodgroup` varchar(3) NOT NULL,  
`address` varchar(20) NOT NULL,  
`contact` varchar(10) NOT NULL,  
`bloodqty` int(11) NOT NULL,  
`collection` date NOT NULL
```

```
) ENGINE=InnoDB AUTO_INCREMENT=19 DEFAULT CHARSET=latin1;

-- 
-- Dumping data for table `blood`
-- 

INSERT INTO `blood` (`id`, `name`, `gender`, `dob`, `weight`, `bloodgroup`, `address`, `contact`, `bloodqty`, `collection`) VALUES
(3, 'shawn mendez', 'M', '1997-05-26', 60, 'B-', 'los', '8521479633', 310, '2018-02-20'),
(8, 'bruno den', 'M', '1991-05-26', 88, 'O+', 'demo address', '8555555545', 360, '2016-05-08'),
(9, 'Tom Filler', 'M', '1988-06-14', 69, 'AB+', 'Deo Adr', '7854447854', 312, '2020-12-30'),
(10, 'Elizabeth', 'F', '1990-02-12', 59, 'AB-', 'San Andrq', '8555554585', 310, '2020-12-30'),
(11, 'Shyaron', 'F', '1996-02-02', 60, 'B+', 'Demo Address', '7878787850', 360, '2020-12-29'),
(12, 'Harry Den', 'M', '1997-01-05', 70, 'B+', 'Demo', '8521112450', 310, '2020-12-29'),
(13, 'Tony Stank', 'M', '1980-03-03', 79, 'B+', 'CA', '8547778500', 312, '2020-12-27'),
(14, 'Stephen Strange', 'M', '1990-12-24', 69, 'O+', 'Demo', '8545554700', 310, '2020-12-27'),
(15, 'Steve Trevor', 'M', '1995-06-15', 75, 'O-', 'Demo Addresss', '7454447410', 311, '2021-01-05'),
(16, 'Martin', 'M', '1986-11-11', 85, 'AB+', 'demo', '8545557854', 310, '2021-01-05'),
(17, 'Russo', 'M', '1975-05-05', 80, 'O-', 'demooo', '7454447854', 360, '2021-01-02');
```

---

```
-- 
-- Table structure for table `campaigndb`
```

```
CREATE TABLE IF NOT EXISTS `campaignndb` (
  `id` int(11) NOT NULL,
  `cname` varchar(50) NOT NULL,
  `oname` varchar(50) NOT NULL,
  `phn` int(10) NOT NULL,
  `cdate` date NOT NULL,
  `descp` text NOT NULL
) ENGINE=InnoDB AUTO_INCREMENT=10 DEFAULT CHARSET=latin1;
```

```
--  
-- Dumping data for table `campaignndb`  
--
```

```
INSERT INTO `campaignndb` (`id`, `cname`, `oname`, `phn`, `cdate`, `descp`) VALUES
(8, 'Saving Lives Together', 'demo organizer', 1597534560, '2018-06-21', 'Lorem ipsum
dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et
dolore magna aliqua.');
```

```
-- -----  
--  
-- Table structure for table `donor`  
--
```

```
CREATE TABLE IF NOT EXISTS `donor` (
  `id` int(11) NOT NULL,
  `name` varchar(20) NOT NULL,
  `guardiansname` varchar(20) NOT NULL,
  `gender` varchar(20) NOT NULL,
  `dob` date NOT NULL,
  `weight` int(11) NOT NULL,
```

```
`bloodgroup` varchar(3) NOT NULL,  
`email` varchar(20) NOT NULL,  
`address` varchar(20) NOT NULL,  
`contact` varchar(10) NOT NULL,  
`username` varchar(20) NOT NULL,  
`password` varchar(20) NOT NULL  
) ENGINE=InnoDB AUTO_INCREMENT=24 DEFAULT CHARSET=latin1;
```

--

-- Dumping data for table `donor`

--

```
INSERT INTO `donor` (`id`, `name`, `guardiansname`, `gender`, `dob`, `weight`,  
`bloodgroup`, `email`, `address`, `contact`, `username`, `password`) VALUES  
(18, 'Demo User', 'demo', 'M', '2020-09-03', 51, 'b+', 'demo@demo.com', 'demo',  
'8520002500', 'demo', 'demo'),  
(19, 'Harry Den', 'Stephen Den', 'M', '1998-06-17', 70, 'B+', 'harry.den20@gmail.co',  
'Demo Address', '7854445420', 'harry', 'pass'),  
(20, 'Will Williams', 'Reth R Williams', 'M', '1996-07-16', 70, 'B+', 'williams@gmail.com',  
'Demo Address', '0248887540', 'williams', 'williams'),  
(21, 'John Doe', 'Kevin Doe', 'M', '1991-12-09', 69, 'AB+', 'doejohn@gmail.com', '905  
Chandler Hollow', '7854445470', 'johnd', 'password'),  
(22, 'Ramona Jr Pippin', 'Noramo Pippin', 'F', '1995-02-22', 55, 'O-', 'pippin@gmail.com',  
'3237 Drummond Street', '7854445200', 'pippin', 'password'),  
(23, 'Robert', 'Simon L Berg', 'M', '1994-06-21', 82, 'AB-', 'robert@gmail.com', '524 Duff  
Avenue', '2547778452', 'robert', 'robert');
```

-- -----

--

-- Table structure for table `users`

```
--  
  
CREATE TABLE IF NOT EXISTS `users` (  
  `user_id` int(11) NOT NULL,  
  `username` varchar(50) NOT NULL,  
  `password` varchar(50) NOT NULL,  
  `donorname` varchar(50) NOT NULL  
) ENGINE=InnoDB AUTO_INCREMENT=2 DEFAULT CHARSET=latin1;
```

```
--  
-- Dumping data for table `users`  
--
```

```
INSERT INTO `users` (`user_id`, `username`, `password`, `donorname`) VALUES  
(1, 'user', 'pass', 'harryden');
```

```
--  
-- Indexes for dumped tables  
--
```

```
--  
-- Indexes for table `admin`  
--
```

```
ALTER TABLE `admin`  
ADD PRIMARY KEY (`user_id`);
```

```
--  
-- Indexes for table `announce`  
--
```

```
ALTER TABLE `announce`  
ADD PRIMARY KEY (`id`);
```

```
--  
-- Indexes for table `blood`  
  
--  
ALTER TABLE `blood`  
ADD PRIMARY KEY (`id`);  
  
--  
-- Indexes for table `campaigndb`  
  
--  
ALTER TABLE `campaigndb`  
ADD PRIMARY KEY (`id`);  
  
--  
-- Indexes for table `donor`  
  
--  
ALTER TABLE `donor`  
ADD PRIMARY KEY (`id`);  
  
--  
-- Indexes for table `users`  
  
--  
ALTER TABLE `users`  
ADD PRIMARY KEY (`user_id`);  
  
--  
-- AUTO_INCREMENT for dumped tables  
  
--  
--  
-- AUTO_INCREMENT for table `admin`
```

```
--  
ALTER TABLE `admin`  
MODIFY `user_id` int(11) NOT NULL AUTO_INCREMENT,AUTO_INCREMENT=3;  
  
--  
-- AUTO_INCREMENT for table `announce`  
  
--  
ALTER TABLE `announce`  
MODIFY `id` int(11) NOT NULL AUTO_INCREMENT,AUTO_INCREMENT=3;  
  
--  
-- AUTO_INCREMENT for table `blood`  
  
--  
ALTER TABLE `blood`  
MODIFY `id` int(11) NOT NULL AUTO_INCREMENT,AUTO_INCREMENT=19;  
  
--  
-- AUTO_INCREMENT for table `campaigndb`  
  
--  
ALTER TABLE `campaigndb`  
MODIFY `id` int(11) NOT NULL AUTO_INCREMENT,AUTO_INCREMENT=10;  
  
--  
-- AUTO_INCREMENT for table `donor`  
  
--  
ALTER TABLE `donor`  
MODIFY `id` int(11) NOT NULL AUTO_INCREMENT,AUTO_INCREMENT=24;  
  
--  
-- AUTO_INCREMENT for table `users`  
  
--  
ALTER TABLE `users`  
MODIFY `user_id` int(11) NOT NULL AUTO_INCREMENT,AUTO_INCREMENT=2;
```

## Adding Data, SQL Queries and Final Report

In order to facilitate ease of use our team decided to utilize only one Oracle account to create, make changes, and run queries against our database. After creating the database, we populated it with data by importing excel spreadsheets through SQL Developer. We created multiple queries including INSERT, UPDATE, and DELETE as well as other queries that a typical user would want to run in order to retrieve useful information in the database.

### Data in Tables:

#### 1. Admin Table:

The screenshot shows the phpMyAdmin interface for the Admin table. The left sidebar shows the database structure with the Admin table selected. The main area displays the following data:

user_id	username	password	name
1	pratyusha	pass	Pratyusha
2	manaswini	manu	Manaswini
3	shankar	shan	Shankar
4	sowjanya	sow	Sowjanya
5	tejaswini	teja	Tejaswini
6	admin	admin	admin

#### 2. Announce Table

The screenshot shows the phpMyAdmin interface for the announce table. The left sidebar shows the database structure with the announce table selected. The main area displays the following data:

id	announcement	bloodneed	dat	organizer	requirements
1	DEMO ANNOUNCEMENT	B+	2018-06-24	Helping Hands	Weight at least 50kg, No alcohol intake in 24hrs p.
2	URGENT CASE: Serious Accident Condition	B-	2021-03-26	City Hospital	Must be in good health and feeling very well. Must

### 3. Blood Table:

The screenshot shows the phpMyAdmin interface for the 'secyear' database. The left sidebar lists databases: New, information\_schema, mysql, performance\_schema, phpmyadmin, secyear, New, admin, announce, blood, campaigndb, donor, users, and test. The 'blood' database is selected. The top navigation bar includes Browse, Structure, SQL, Search, Insert, Export, Import, Privileges, Operations, Tracking, and Triggers. The main area displays the results of the query 'SELECT \* FROM `blood`'. The results table has columns: id, name, gender, dob, weight, bloodgroup, address, contact, bloodqty, and collection. There are 11 rows of data, each with edit, copy, and delete options.

	id	name	gender	dob	weight	bloodgroup	address	contact	bloodqty	collection
<input type="checkbox"/>	3	shawn mendez	M	1997-05-26	60	B-	los	8521479633	310	2018-02-20
<input type="checkbox"/>	8	bruno den	M	1991-05-26	88	O+	demo address	8555555545	360	2016-05-08
<input type="checkbox"/>	9	Tom Filler	M	1988-06-14	69	AB+	Deo Adr	7854447854	312	2020-12-30
<input type="checkbox"/>	10	Elizabeth	F	1990-02-12	59	AB-	San Andrq	8555554585	310	2020-12-30
<input type="checkbox"/>	11	Shyaron	F	1996-02-02	60	B+	Demo Address	7878787850	360	2020-12-29
<input type="checkbox"/>	12	Harry Den	M	1997-01-05	70	B+	Demo	8521112450	310	2020-12-29
<input type="checkbox"/>	13	Tony Stank	M	1980-03-03	79	B+	CA	8547778500	312	2020-12-27
<input type="checkbox"/>	14	Stephen Strange	M	1990-12-24	69	O+	Demo	8545554700	310	2020-12-27
<input type="checkbox"/>	15	Steve Trevor	M	1995-06-15	75	O-	Demo Addresss	7454447410	311	2021-01-05
<input type="checkbox"/>	16	Martin	M	1986-11-11	85	AB+	demo	8545557854	310	2021-01-05
<input type="checkbox"/>	17	Russo	M	1975-05-05	80	O-	demooo	7454447854	360	2021-01-02

### 4. Campaign Table:

The screenshot shows the phpMyAdmin interface for the 'secyear' database. The left sidebar lists databases: New, information\_schema, mysql, performance\_schema, phpmyadmin, secyear, New, admin, announce, blood, campaigndb, donor, users, and test. The 'campaigndb' database is selected. The top navigation bar includes Browse, Structure, SQL, Search, Insert, Export, Import, Privileges, Operations, Tracking, and Triggers. The main area displays the results of the query 'SELECT \* FROM `campaigndb`'. The results table has columns: id, cname, oname, phn, cdate, and descpr. There is 1 row of data, which is partially cut off at the end. The bottom section contains 'Query results operations' with options: Print, Copy to clipboard, Export, Display chart, and Create view.

	id	cname	oname	phn	cdate	descpr
<input type="checkbox"/>	8	Saving Lives Together	demo organizer	1597534560	2018-06-21	...Lorem ipsum dolor sit amet, consectetur adipiscing...

## 5. Donor Table:

The screenshot shows the phpMyAdmin interface for the 'secyear' database. The left sidebar lists databases: New, information\_schema, mysql, performance\_schema, phpmyadmin, secyear, New, admin, announce, blood, campaigndb, donor, users, and test. The 'donor' table is selected under the secyear database. The main area displays the results of the query 'SELECT \* FROM `donor`'. The results table has columns: id, name, guardiansname, gender, dob, weight, bloodgroup, email, address, contact, username, and password. There are 25 rows shown, with the first few rows listed below.

	id	name	guardiansname	gender	dob	weight	bloodgroup	email	address	contact	username	password
1	18	Demo User	demo	M	2020-09-03	51	b+	demo@demo.com	demo	8520002500	demo	demo
2	19	Harry Den	Stephen Den	M	1998-06-17	70	B+	harry.den20@gmail.co	Demo Address	7854445420	harry	pass
3	20	Will Williams	Reth R Williams	M	1996-07-16	70	B+	williams@gmail.com	Demo Address	0248887540	williams	williams
4	21	John Doe	Kevin Doe	M	1991-12-09	69	AB+	doejohn@gmail.com	905 Chandler Hollow	7854445470	johnd	password
5	22	Ramona Jr Pippin	Noramo Pippin	F	1995-02-22	55	O-	pippin@gmail.com	3237 Drummond Stree	7854445200	pippin	password
6	23	Robert	Simon L Berg	M	1994-06-21	82	AB-	robert@gmail.com	524 Duff Avenue	2547778452	robert	robert

## 6. User Table:

The screenshot shows the phpMyAdmin interface for the 'secyear' database. The left sidebar lists databases: New, information\_schema, mysql, performance\_schema, phpmyadmin, secyear, New, admin, announce, blood, campaigndb, donor, users, and test. The 'users' table is selected under the secyear database. The main area displays the results of the query 'SELECT \* FROM `users`'. The results table has columns: user\_id, username, password, and donorname. There are 2 rows shown, with the first row listed below.

	user_id	username	password	donorname
1	1	harry	den	harryden
2	2	pratyusha	pass	pratyusha

## SQL Queries:

This section contains all the queries that we ran on our database.

### 1. Select \* from donor:

The screenshot shows the phpMyAdmin interface for the 'secyear' database. The left sidebar lists various databases and tables. The main area displays the results of a query: 'SELECT \* FROM donor'. The results show 6 rows of data with columns: id, name, guardiansname, gender, dob, weight, bloodgroup, email, address, contact, username, and password. The data includes entries for Shannu Martin, Harryden Stephen Den, Will Williams, John Doe, Lucy Pippin, and Robert Berg.

	id	name	guardiansname	gender	dob	weight	bloodgroup	email	address	contact	username	password
1	Shannu martin	Anderson	M	1997-06-29	66	b+	shannu134@demo.com	Wilmington Ave Apts	9129043143	Shanu123	pa	
2	harryden	Stephen Den	M	1998-06-18	70	B+	harryden20@gmail.com	Patterson road Dayton	7854445420	harry	pa	
3	Will Williams	Reth R Williams	M	1996-07-14	70	B+	williams@gmail.com	Brown Street 905	0248887540	williamsG	wi	
4	John Doe	Kevin Doe	M	1991-12-09	70	AB+	doejohn@gmail.com	Chandler Hollow	7854445470	johnd	jo	
5	Lucy Pippin	Noramo Pippin	F	1995-02-22	55	O-	pippin@gmail.com	3237 Drummond Street	7854445200	pippin	lo	
6	Robert	Simon L Berg	M	1994-06-21	82	AB-	robert@gmail.com	524 Duff Avenue	2547778452	robert23	ro	

### 2. Select \* from blood where name like 's%';

The screenshot shows the phpMyAdmin interface for the 'secyear' database. The left sidebar lists various databases and tables. The main area displays the results of a query: 'SELECT \* FROM blood WHERE name LIKE 's%''. The results show 3 rows of data with columns: id, name, gender, dob, weight, bloodgroup, address, contact, bloodqty, and collection. The data includes entries for Syam, Smith willer, and Steve Roger.

	id	name	gender	dob	weight	bloodgroup	address	contact	bloodqty	collection
5	Syam	M	1996-02-02	60	B+	Yellow Springs	7878787850	360	2020-12-29	
7	Smith willer	M	1980-03-03	79	B+	Indianapolis	8547778500	312	2020-12-17	
9	Steve Roger	M	1995-06-15	75	O-	Cleveland	7454447410	311	2021-01-07	

3. Select bloodgroup, name, max(bloodqty) from blood group by id;

The screenshot shows the phpMyAdmin interface for a database named 'secyear'. The left sidebar lists various databases and tables. The 'blood' table is selected. The main area displays the results of a SQL query:

```
SELECT bloodgroup, name, MAX(bloodqty) FROM blood GROUP BY id
```

The results table shows the following data:

bloodgroup	name	MAX(bloodqty)
B-	Priyanka Mohan	310
AB+	Tommy Miller	312
O+	Joe Jorden	360
AB-	Elizabeth Wilson	310
B+	Syam	360
B+	harry tailor	310
B+	Smith willer	312
O+	Doctor Strange	310
O-	Steve Roger	311
AB+	Thomas Dravid	310
O-	Tejaswini	360

4. Select max(bloodqty) As highestblood from blood:

The screenshot shows the phpMyAdmin interface for a database named 'secyear'. The left sidebar lists various databases and tables. The 'blood' table is selected. The main area displays the results of a SQL query:

```
SELECT MAX(bloodqty) AS highestblood FROM blood
```

The results table shows the following data:

highestblood
360

5.select count(id) from blood;

The screenshot shows the phpMyAdmin interface for a database named 'secyear'. The left sidebar lists various databases and tables. The current table is 'blood'. The main area displays the results of the query `SELECT COUNT(id) FROM blood`, which returned the value 11. A message at the top indicates that the selection does not contain a unique column, so grid edit, checkbox, Edit, Copy, and Delete features are not available.

6.select \* from campaigndb order by phn DESC;

The screenshot shows the phpMyAdmin interface for a database named 'secyear'. The left sidebar lists various databases and tables. The current table is 'campaigndb'. The main area displays the results of the query `SELECT * FROM campaigndb ORDER BY phn DESC`. The results show three rows of data:

	id	cname	oname	phn	cdate	descp
3	Every drop counts	New York Blood Centre	2125703000	2021-11-09	Lifesaving Mission - As one of the most preeminent...	
8	Saving Lives Together	Red Cross	1597534560	2018-06-21	We are the American Red cross- Sleeves Up. Hearts ...	
2	Be a Hero, Donate Blood	Community Blood Center	1364613220	2021-10-01	Give blood Give life. Blood donation is community ...	

## 7. Select \* from donor where weight between 65 AND 80;

The screenshot shows the phpMyAdmin interface for the 'secyear' database. The 'donor' table is selected. A query has been run: `SELECT * FROM donor WHERE weight BETWEEN 65 AND 80`. The results show four rows of data:

	id	name	guardiansname	gender	dob	weight	bloodgroup	email	address	contact	username	pa
	1	Shanu martin	Anderson	M	1997-06-29	66	b+	shannu134@demo.com	Wilmington Ave Apts	9129043143	Shanu123	pa
	2	harryden	Stephen Den	M	1998-06-18	70	B+	harryden20@gmail.com	Patterson road Dayton	7854445420	harry	pa
	3	Will Williams	Reth R Williams	M	1996-07-14	70	B+	williams@gmail.com	Brown Street	0248887540	williamsG	wi
	4	John Doe	Kevin Doe	M	1991-12-09	70	AB+	doejohn@gmail.com	905 Chandler Hollow	7854445470	johnd	jo

## 8. Alter table donor DROP column address;

The screenshot shows the phpMyAdmin interface for the 'secyear' database. The 'donor' table is selected. A query has been run: `ALTER TABLE donor DROP COLUMN address`. The results indicate that MySQL returned an empty result set (i.e., zero rows). The query took 1.8310 seconds.

## Before Query Execution:

The screenshot shows the phpMyAdmin interface for the 'secyear' database. The 'donor' table is selected. The SQL query in the query editor is:

```
SELECT * FROM `donor`
```

The results table displays 6 rows of data:

	<b>id</b>	<b>name</b>	<b>guardiansname</b>	<b>gender</b>	<b>dob</b>	<b>weight</b>	<b>bloodgroup</b>	<b>email</b>	<b>address</b>	<b>contact</b>	<b>username</b>	<b>password</b>
18	Demo User	demo	M	2020-09-03	51	b+	demo@demo.com	demo	8520002500	demo	demo	
19	Harry Den	Stephen Den	M	1998-06-17	70	B+	harry.den20@gmail.co	Demo Address	7854445420	harry	pass	
20	Will Williams	Reth R Williams	M	1996-07-16	70	B+	williams@gmail.com	Demo Address	0248887540	williams	williams	
21	John Doe	Kevin Doe	M	1991-12-09	69	AB+	doejohn@gmail.com	905 Chandler Hollow	7854445470	johnd	password	
22	Ramona Jr Pippin	Noramo Pippin	F	1995-02-22	55	O-	pippin@gmail.com	3237 Drummond Street	7854445200	pippin	password	
23	Robert	Simon L Berg	M	1994-06-21	82	AB-	robert@gmail.com	524 Duff Avenue	2547778452	robert	robert	

## After Query Execution:

The screenshot shows the phpMyAdmin interface for the 'secyear' database. The 'donor' table is selected. The SQL query in the query editor is:

```
SELECT * FROM `donor`
```

The results table displays 6 rows of data, identical to the previous screenshot:

	<b>id</b>	<b>name</b>	<b>guardiansname</b>	<b>gender</b>	<b>dob</b>	<b>weight</b>	<b>bloodgroup</b>	<b>email</b>	<b>address</b>	<b>contact</b>	<b>username</b>	<b>password</b>
18	Demo User	demo	M	2020-09-03	51	b+	demo@demo.com	demo	8520002500	demo	demo	
19	Harry Den	Stephen Den	M	1998-06-17	70	B+	harry.den20@gmail.co	Demo Address	7854445420	harry	pass	
20	Will Williams	Reth R Williams	M	1996-07-16	70	B+	williams@gmail.com	Demo Address	0248887540	williams	williams	
21	John Doe	Kevin Doe	M	1991-12-09	69	AB+	doejohn@gmail.com	905 Chandler Hollow	7854445470	johnd	password	
22	Ramona Jr Pippin	Noramo Pippin	F	1995-02-22	55	O-	pippin@gmail.com	3237 Drummond Street	7854445200	pippin	password	
23	Robert	Simon L Berg	M	1994-06-21	82	AB-	robert@gmail.com	524 Duff Avenue	2547778452	robert	robert	

Below the results table, there is a 'Query results operations' section with buttons for Print, Copy to clipboard, Export, Display chart, and Create view.

9.Update donor set name='Apple' where username='harry';

The screenshot shows the phpMyAdmin interface. On the left, the database structure is visible, including the 'secyear' database which contains tables like 'admin', 'announce', 'blood', 'campaigndb', 'donor', and 'users'. The 'donor' table is selected. The main area displays the results of the SQL query: 'UPDATE donor SET name='Apple' WHERE username='harry''. A message indicates '1 row affected. (Query took 0.2169 seconds.)'. Below the message, the updated row is shown in the table.

Table Before the query execution:

The screenshot shows the phpMyAdmin interface with the 'secyear' database selected. The 'donor' table is displayed. The table has columns: id, name, guardiansname, gender, dob, weight, bloodgroup, email, address, contact, username, and password. There are 6 rows of data. The data is as follows:

		id	name	guardiansname	gender	dob	weight	bloodgroup	email	address	contact	username	password
		18	Demo User	demo	M	2020-09-03	51	b+	demo@demo.com	demo	8520002500	demo	demo
		19	Harry Den	Stephen Den	M	1998-06-17	70	B+	harry.den20@gmail.co	Demo Address	7854445420	harry	pass
		20	Will Williams	Reth R Williams	M	1996-07-16	70	B+	williams@gmail.com	Demo Address	0248887540	williams	williams
		21	John Doe	Kevin Doe	M	1991-12-09	69	AB+	doejohn@gmail.com	905 Chandler Hollow	7854445470	johnd	password
		22	Ramona Jr Pippin	Noramo Pippin	F	1995-02-22	55	O-	pippin@gmail.com	3237 Drummond Street	7854445200	pippin	password
		23	Robert	Simon L Berg	M	1994-06-21	82	AB-	robert@gmail.com	524 Duff Avenue	2547778452	robert	robert

After query execution:

The screenshot shows the phpMyAdmin interface for the 'secyear' database. The left sidebar lists databases and tables, with 'donor' selected. The main area displays the results of the query 'SELECT \* FROM donor'. The results table has columns: id, name, guardiansname, gender, dob, weight, bloodgroup, email, contact, username, and password. The data shows 6 rows of donor information.

	id	name	guardiansname	gender	dob	weight	bloodgroup	email	contact	username	password
1	18	Demo User	demo	M	2020-09-03	51	b+	demo@demo.com	8520002500	demo	demo
2	19	Apple	Stephen Den	M	1998-06-17	70	B+	harryden20@gmail.co	7854445420	harry	pass
3	20	Will Williams	Reth R Williams	M	1996-07-16	70	B+	williams@gmail.com	0248887540	williams	williams
4	21	John Doe	Kevin Doe	M	1991-12-09	69	AB+	doejohn@gmail.com	7854445470	joind	password
5	22	Ramona Jr Pippin	Noramo Pippin	F	1995-02-22	55	O-	pippin@gmail.com	7854445200	pippin	password
6	23	Robert	Simon L Berg	M	1994-06-21	82	AB-	robert@gmail.com	2547778452	robert	robert

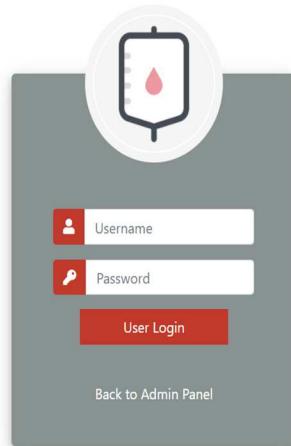
10. Select \* from donor LIMIT 3;

The screenshot shows the phpMyAdmin interface for the 'secyear' database. The left sidebar lists databases and tables, with 'donor' selected. The main area displays the results of the query 'SELECT \* FROM donor LIMIT 3'. The results table has columns: id, name, guardiansname, gender, dob, weight, bloodgroup, email, contact, username, and password. The data shows 3 rows of donor information.

	id	name	guardiansname	gender	dob	weight	bloodgroup	email	contact	username	password
1	1	Shanu martin	Anderson	M	1997-06-29	66	b+	shannu134@demo.com	9129043143	Shanu123	pass123
2	2	Apple	Stephen Den	M	1998-06-18	70	B+	harryden20@gmail.co	7854445420	harry	pass
3	3	Will Williams	Reth R Williams	M	1996-07-14	70	B+	williams@gmail.com	0248887540	williamsG	williams44

## Web-Interface:

### User Login Page:



### Donor's Dashboard:

A screenshot of the 'Blood Donor Management System' showing the 'Donor's Dashboard'. The dashboard includes a search bar, a sidebar with navigation links, and four main statistics cards: Available Blood (11), Campaigns Made (1), Announcement (2), and a 'Donate Blood Now!' button. The sidebar also lists 'View Blood Collections', 'View Announcements', and 'View Campaigns'.

## To View the Blood collection:

The screenshot shows the 'Blood Collection' section of the Blood Donor Management System. At the top, there's a search bar and a user profile icon. On the left, a sidebar menu includes 'Donor's Dashboard', 'View Blood Collections' (which is selected), 'View Announcements', and 'View Campaigns'. The main content area is titled 'Blood Collection' and displays a table with 12 rows of blood donation records. The columns are: Blood Group, Full Name, Gender, D.O.B, Weight, Address, Contact, Blood Quantity, and Collection Date.

Blood Group	Full Name	Gender	D.O.B	Weight	Address	Contact	Blood Quantity	Collection Date
B-	shawn mendez	M	1997-05-26	60	Ios	8521479633	310	2018-02-20
O+	bruno den	M	1991-05-26	88	demo address	8555555545	360	2016-05-08
AB+	Tom Filler	M	1988-06-14	69	Deo Adr	7854447854	312	2020-12-30
AB-	Elizabeth	F	1990-02-12	59	San Andrq	8555554585	310	2020-12-30
B+	Shyaron	F	1996-02-02	60	Demo Address	7878787850	360	2020-12-29
B+	Harry Den	M	1997-01-05	70	Demo	8521112450	310	2020-12-29
B+	Tony Stank	M	1980-03-03	79	CA	8547778500	312	2020-12-27
O+	Stephen Strange	M	1990-12-24	69	Demo	8545554700	310	2020-12-27
O-	Steve Trevor	M	1995-06-15	75	Demo Addresss	7454447410	311	2021-01-05
AB+	Martin	M	1986-11-11	85	demo	8545557854	310	2021-01-05
O-	Russo	M	1975-05-05	80	demooo	7454447854	360	2021-01-02

## To View the Announcements:

The screenshot shows the 'Announcement Detail' section of the Blood Donor Management System. At the top, there's a search bar and a user profile icon. On the left, a sidebar menu includes 'Donor's Dashboard', 'View Blood Collections', 'View Announcements' (which is selected), and 'View Campaigns'. The main content area is titled 'Announcement Detail' and displays a table with 2 rows of announcement records. The columns are: Title, Blood Needed, Announcement Date, Organizer, and Requirements.

Title	Blood Needed	Announcement Date	Organizer	Requirements
DEMO ANNOUNCEMENT	B+	2018-06-24	Helping Hands	Weight at least 50kg, No alcohol intake in 24hrs prior to donation, light meal should be taken before donation, be in good health, must be 18 years old and must have at least 3 month interval than the last donation.
URGENT CASE: Serious Accident Condition	B-	2021-03-26	City Hospital	Must be in good health and feeling very well. Must weigh at least 110 lbs.

## To View Campaigns:

The screenshot shows a web-based application interface for a blood donor management system. At the top left is the logo "Blood Donor Management System". On the right side of the header is a user profile icon with a dropdown arrow. Below the header is a search bar with placeholder text "Search..." and a magnifying glass icon. To the right of the search bar is a sidebar menu with the following items:

- Donor's Dashboard
- View Blood Collections
- View Announcements
- View Campaigns** (this item is highlighted with a grey background)

Below the sidebar is the main content area titled "Campaign Details". A sub-header "Total Records of available campaign" is followed by a table with one row of data. The table columns are: Campaign Name, Organizer Name, Phone Number, Date of campaign, and Description. The data row is:

Campaign Name	Organizer Name	Phone Number	Date of campaign	Description
Saving Lives Together	demo organizer	1597534560	2018-06-21	Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

## Admin Login Page:

The screenshot shows the "Admin Login" page. At the top left is the "Blood Donor Management System" logo. On the right is a "User Login" button with a user icon. The main content area has a light gray background. In the center is a white rectangular form titled "Admin Login". It contains two input fields: "Username" and "Password", both with placeholder text. Below the password field is a checkbox labeled "Remember Me". At the bottom of the form is a large blue "Login" button.

## To View Admins Dashboard:

The screenshot shows the Admin Dashboard of the Blood Donor Management System. On the left is a sidebar with navigation links: Dashboard, Blood Collection Details (selected), Add Donor, View Donor Details, Edit Donor Details, Delete Donor Details, Announcements, and Campaigns. The main area has a title "Admin Dashboard". It features four cards: "Total Donors" (6, View Details), "Available Blood" (11, View Details), "Announcement" (2, View Details), and a large red button "Donate Blood Now!" with a "Donate" icon. Below these is a pie chart titled "Total Available Blood According to Blood Groups" with the following data:

Blood Group	Percentage
AB+	18.2%
AB-	18.2%
B+	27.3%
B-	9.1%
O+	18.2%
O-	9.1%

## To Add Blood Collection Details:

The screenshot shows the "Add Blood Details" form. The sidebar on the left has the same navigation as the dashboard. The main form has a header "Add Blood Details" and a note "Please fill up the form below.". It contains the following fields:

- Enter Full Name: Harry Den
- Gender [ M/F ]: M or F
- Enter Date of birth: dd-mm-yyyy
- Enter Weight: Weight
- Enter Blood Group: Eg: B+
- Enter Address: Address
- Enter Contact Number: Contact Number
- Blood Quantity: Blood Quantity
- Collection Date: dd-mm-yyyy
- Submit Form: A green button.

## To View Blood collection:

Blood Donor Management System

**Blood Collection**

Total Records of available bloods

Blood Group	Full Name	Gender	D.O.B	Weight	Address	Contact	Blood Quantity	Collection Date
B-	shawn mendez	M	1997-05-26	60	los	8521479633	310	2018-02-20
O+	bruno den	M	1991-05-26	88	demo address	8555555545	360	2016-05-08
AB+	Tom Filler	M	1988-06-14	69	Deo Adr	7854447854	312	2020-12-30
AB-	Elizabeth	F	1990-02-12	59	San Andrq	8555554585	310	2020-12-30
B+	Shyaron	F	1996-02-02	60	Demo Address	7878787850	360	2020-12-29
B+	Harry Den	M	1997-01-05	70	Demo	8521112450	310	2020-12-29
B+	Tony Stank	M	1980-03-03	79	CA	8547778500	312	2020-12-27
O+	Stephen Strange	M	1990-12-24	69	Demo	8545554700	310	2020-12-27
O-	Steve Trevor	M	1995-06-15	75	Demo Addressss	7454447410	311	2021-01-05
AB+	Martin	M	1986-11-11	85	demo	8545557854	310	2021-01-05
O-	Russo	M	1975-05-05	80	demooo	7454447854	360	2021-01-02

## To Edit Blood collection:

Blood Donor Management System

**Edit Blood Details**

Total Records of available bloods

Blood Group	Full Name	Gender	D.O.B	Weight	Address	Contact	Quantity	Collection Date	edit
B-	shawn mendez	M	1997-05-26	60	los	8521479633	310	2018-02-20	<input checked="" type="checkbox"/>
O+	bruno den	M	1991-05-26	88	demo address	8555555545	360	2016-05-08	<input checked="" type="checkbox"/>
AB+	Tom Filler	M	1988-06-14	69	Deo Adr	7854447854	312	2020-12-30	<input checked="" type="checkbox"/>
AB-	Elizabeth	F	1990-02-12	59	San Andrq	8555554585	310	2020-12-30	<input checked="" type="checkbox"/>
B+	Shyaron	F	1996-02-02	60	Demo Address	7878787850	360	2020-12-29	<input checked="" type="checkbox"/>
B+	Harry Den	M	1997-01-05	70	Demo	8521112450	310	2020-12-29	<input checked="" type="checkbox"/>
B+	Tony Stank	M	1980-03-03	79	CA	8547778500	312	2020-12-27	<input checked="" type="checkbox"/>
O+	Stephen Strange	M	1990-12-24	69	Demo	8545554700	310	2020-12-27	<input checked="" type="checkbox"/>
O-	Steve Trevor	M	1995-06-15	75	Demo Addressss	7454447410	311	2021-01-05	<input checked="" type="checkbox"/>
AB+	Martin	M	1986-11-11	85	demo	8545557854	310	2021-01-05	<input checked="" type="checkbox"/>
O-	Russo	M	1975-05-05	80	demooo	7454447854	360	2021-01-02	<input checked="" type="checkbox"/>

## To Remove Blood details:

**Delete Blood Details**

Total Records of available bloods

Blood Group	Full Name	Gender	D.O.B	Weight	Address	Contact	Quantity	Collection Date	edit
B-	shawn mendez	M	1997-05-26	60	los	8521479633	310	2018-02-20	
O+	bruno den	M	1991-05-26	88	demo address	855555545	360	2016-05-08	
AB+	Tom Filler	M	1988-06-14	69	Deo Adr	785447854	312	2020-12-30	
AB-	Elizabeth	F	1990-02-12	59	San Andrq	8555554585	310	2020-12-30	
B+	Shyaron	F	1996-02-02	60	Demo Address	7878787850	360	2020-12-29	
B+	Harry Den	M	1997-01-05	70	Demo	8521112450	310	2020-12-29	
B+	Tony Stank	M	1980-03-03	79	CA	8547778500	312	2020-12-27	
O+	Stephen Strange	M	1990-12-24	69	Demo	8545554700	310	2020-12-27	
O-	Steve Trevor	M	1995-06-15	75	Demo Addressss	7454447410	311	2021-01-05	
AB+	Martin	M	1986-11-11	85	demo	8545557854	310	2021-01-05	
O-	Russo	M	1975-05-05	80	demooo	7454447854	360	2021-01-02	

## To Add Donor Details:

**Add Donor's Detail**

Please fill up the form below.

Enter Full Name  
Example Harry Den

Enter Guardian's Name  
Guardian's Name

Gender [ M/F ]  
M or F

Enter D.O.B  
dd-mm-yyyy

Enter Weight  
Enter Weight

Enter Blood Group  
Eg: B+

Enter Email Id  
Enter Email Id

Enter Address  
Enter Address Here

Enter Contact Number  
Contact Number

Enter Username  
Enter Here

In order to create donor's account.  
Example: harry20

Enter Password

Show Password

**Submit Form**

## To View Donor Details:

The screenshot shows the 'Blood Donor Management System' interface. On the left is a sidebar with navigation links: Dashboard, Blood Collection Details, Add Donor, View Donor Details (selected), Edit Donor Details, Delete Donor Details, Announcements (selected), and Campaigns. The main content area is titled 'Donors Detail' and displays a table of donor records. The table has columns for Name, Username, Guardian's Name, Gender, D.O.B, Weight, Blood Group, Email, Address, and Contact. The data includes:

Name	Username	Guardian's Name	Gender	D.O.B	Weight	Blood Group	Email	Address	Contact
Demo User	demo	demo	M	2020-09-03	51	b+	demo@demo.com	demo	8520002500
Harry Den	harry	Stephen Den	M	1998-06-17	70	B+	harry.den20@gmail.co	Demo Address	7854445420
Will Williams	williams	Reth R Williams	M	1996-07-16	70	B+	williams@gmail.com	Demo Address	0248867540
John Doe	johnd	Kevin Doe	M	1991-12-09	69	AB+	doejohn@gmail.com	905 Chandler Hollow	7854445470
Ramona Jr Pippin	pippin	Noramo Pippin	F	1995-02-22	55	O-	pippin@gmail.com	3237 Drummond Stree	7854445200
Robert	robert	Simon L Berg	M	1994-06-21	82	AB-	robert@gmail.com	524 Duff Avenue	2547778452

## To Add Announcements:

The screenshot shows the 'Blood Donor Management System' interface. On the left is a sidebar with navigation links: Dashboard, Blood Collection Details, Add Donor, View Donor Details, Edit Donor Details, Delete Donor Details, Announcements (selected), Make Announcement (selected), View Announcement, Edit Announcement, Remove Announcement, and Campaigns. The main content area is titled 'Make Announcement' and contains a form for entering announcement details. The form fields include:

- Please fill up the form below:
- Enter Announcement Title (text input field)
- Blood Needed (Type) (text input field)
- Date and Time (date input field)
- Organized by (text input field)
- Requirements (text area)
- Submit button

## To Add campaign Details:

The screenshot shows a web-based application interface for a 'Blood Donor Management System'. On the left, there is a vertical sidebar with a search bar at the top. Below it is a navigation menu with several items under 'Blood Collection Details' and 'Announcements'. Under 'Announcements', the 'Campaigns' item is selected and highlighted in blue. To its right, under 'Campaigns', are options for 'New Campaign', 'View Campaign', 'Update Campaign', and 'Delete Campaign'. The main content area is titled 'Start New Campaign' and contains a form with the following fields: 'Campaign Name' (with placeholder 'Enter Campaign's Name'), 'Organizer Name' (with placeholder 'Enter Organizer's Name'), 'Contact Number' (with placeholder '9876543210'), 'Campaign Date' (with placeholder 'dd-mm-yyyy' and a calendar icon), and a large 'Description' text area. At the bottom of the form is a green 'Post' button.

## Conclusion:

After completing the project, we learned many things throughout the different parts of the project. Setting up a proper ER diagram is essential to having a functional database. We also learned the importance of creating meaningful relations so that data can be retrieved from the database in a useful manner. When learning about normalization it was important to remember there are times when normalizing to BCNF simply does not make sense for your database. We also learned how to use many of the data developer tools offered by Oracle and Xampp server. Including, being able to create a database with tables and relationships and to be able to successfully export data.