SRS- SOFTWARE REQUIREMENT SPECIFICATION

Creating a blood donation system involves several components, including database design, user interface, backend logic, and frontend design. Below is a simplified outline of how you can approach building a basic blood donation system using PHP, HTML, CSS

1. Database Design (MySQL):

- Create a database to store information about donors, recipients, and blood donations.
- Design tables like `donors`, `recipients`, and `donations`.
- Define appropriate fields for each table (e.g., donor_name, donor_email, blood_type, etc.).

2. Backend (PHP):

- Establish a connection to the database.
- Create PHP scripts to handle various functionalities:
  - Registering donors and recipients.
  - Logging in and managing user sessions.
  - Adding, updating, and deleting donor and recipient records.
  - Recording blood donations and updating donor information.
  - Retrieving data for display.

3. User Interface (HTML/CSS):

- Design web pages for different functionalities (e.g., registration, login, dashboard, donation form, etc.).
- Use HTML for structuring the content and CSS for styling.
- Ensure that the interface is user-friendly and responsive.

4. Authentication and Authorization:

- Implement user authentication to ensure that only registered users can access certain features.
- Set up user roles (e.g., admin, donor, recipient) and manage permissions accordingly.

5. Search and Filter Functionality:

- Implement search and filter options to allow users to find donors or recipients based on criteria like blood type, location, etc.

6. Testing:

- Conduct thorough testing of the application to identify and fix any bugs or issues.
- Ensure that all features work as expected and that user input is handled appropriately.

7. Deployment:

- Choose a web hosting service and deploy your application.
- Configure the server environment (e.g., PHP version, MySQL database setup).
- Secure the server, set up SSL, and implement regular backups.

Remember that this is a high-level overview, and the actual implementation may involve more detailed steps and considerations depending on the complexity and specific requirements of your blood donation system. Additionally, always prioritize user privacy and data security in your development process.