

## Project problem Description [Blood and Organ's Donation]

Through this application we can donate blood and organs. Every new user must have to register by giving his/her information such as email, contract number and our system will verify from SHONDANDI, If the user information is not available in SHONDHANI then first he has to give information at there for proceed further. Every user act as a Donor or seeker. A Donor can search for his required organs or blood. If found he/she can contract with the donor. Otherwise, he/she can make a request through a post. Then a notification will send to nearest donor by checking donor's availability and medical constringes of donation. If any donor accepts the donation request, then two (donor and seeker) can contract and post will be archived. System will send a verification notification to the seeker just to know about the progress.

**Class compartment:**

Seeker
<div>-name: string -email: string -password: string -Age: int -location: string -bloodgroup: string -gender: string +Registerdate: string -user_Id: string -contract_no: string /verification: bool</div>
<div>-setName (name: string) +getName (): string -setemail(email: string) +getemail(): string -setPassword (password: string) #getPasswordd (): strings -setLocation (location: string) +getLocation(): string -setBloodgroup (blood group: string) +get Bloodgroup (): string -setContract(cont_no: string): +getContract(): string -setGender (gender: string) +getGender (): string +getRegister () +makerequest(seekingType: string, location: string): void +search(query: sting): void</div>

Donor
-donor_name: string -donor_Id:int -age: int -location: string -gender: string -contact_no: string -donor_email: string -donor_password: string -blood group: string / verification: bool
-setName (name: string) +getName (): string -setemail(email: string) +getemail(): string -setPassword (password: string) #getPassword (): string -setLocation (location: string) +getLocation(): string -setContact(contact_no: string) +getContact (): string -setBloodgroup (blood group: string) +getBloodgroup (): string -setGender (gender: string) +getGender (): string +getRegister()

Application
-verifyUser(email: string, password: string) +updatePost() -sortBylocation(location: string) #send_notification(id: string)

Type your text

UML Class Digram (Blood / Organs donation)

