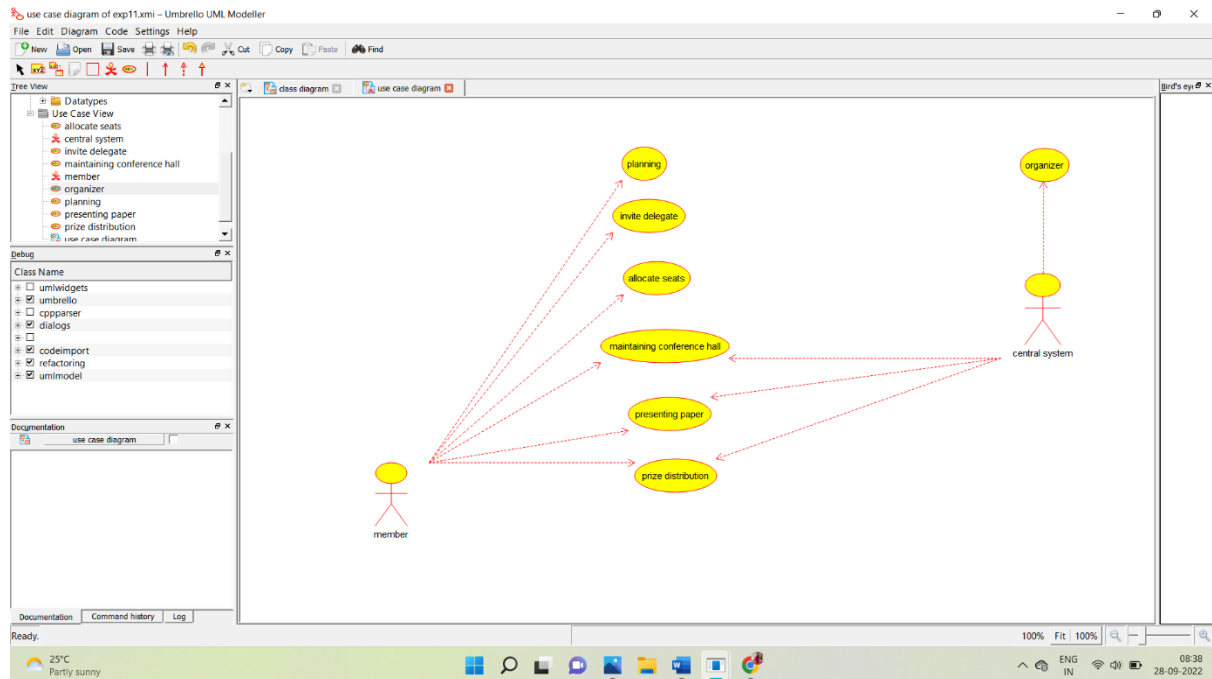


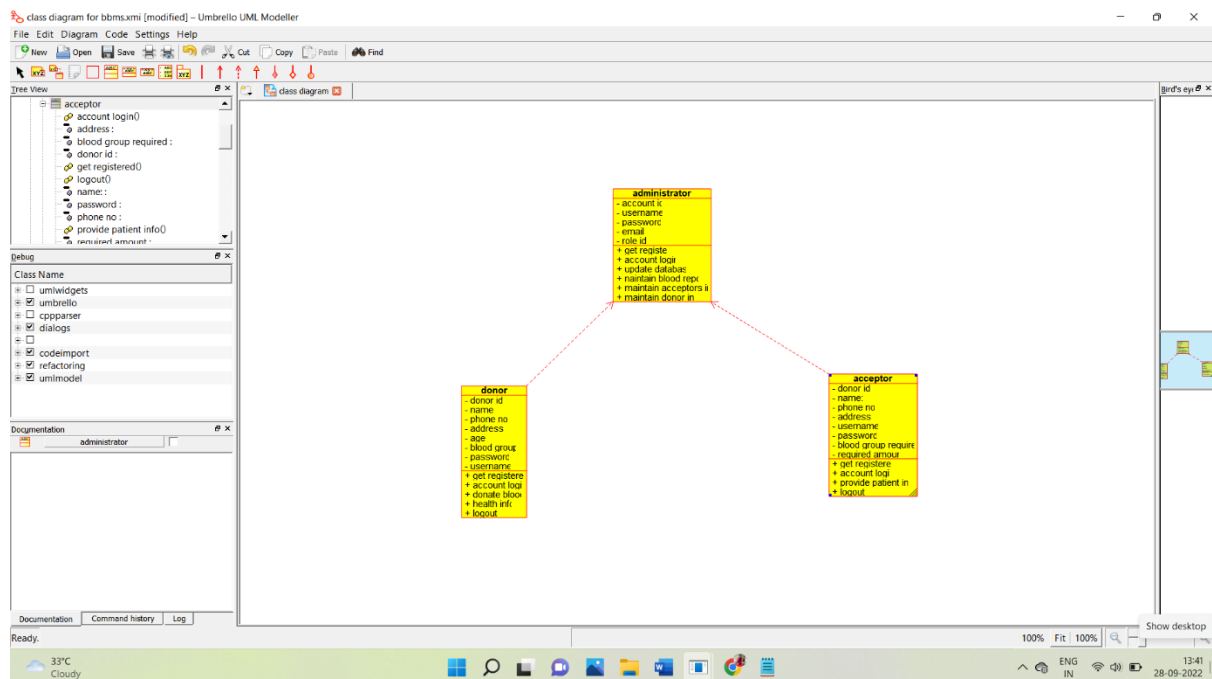
Ex:No:15

BLOOD BANK MANAGEMENT SYSTEM

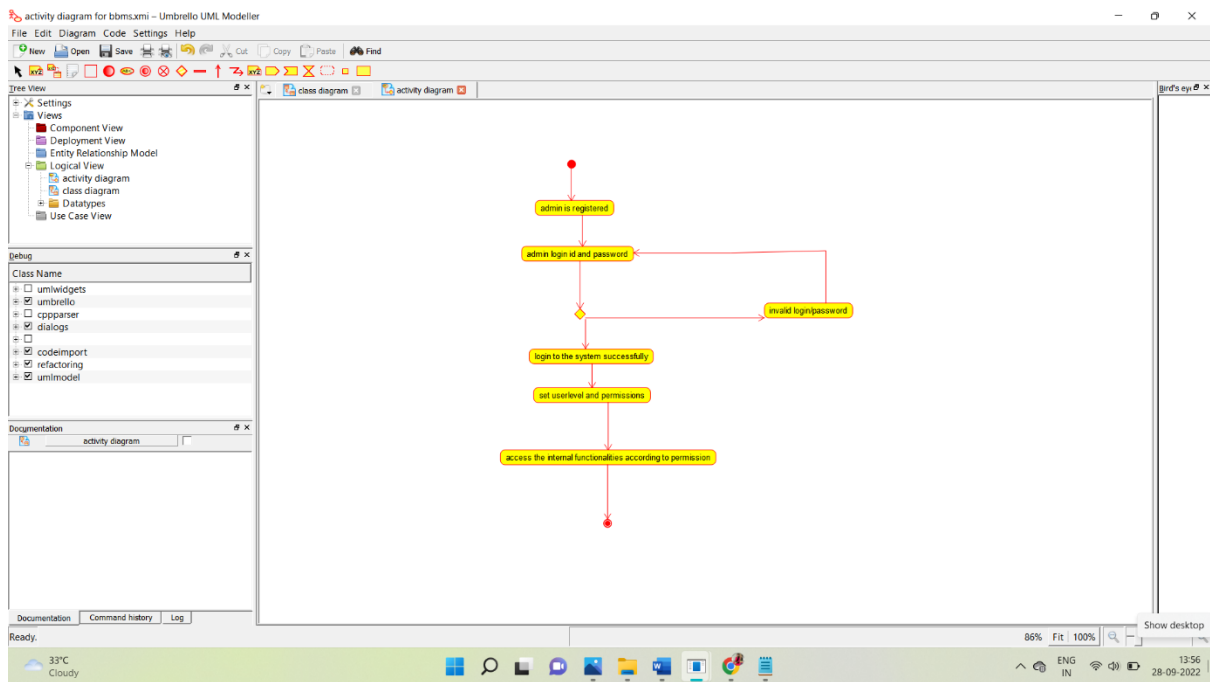
USE CASE DIAGRAM:



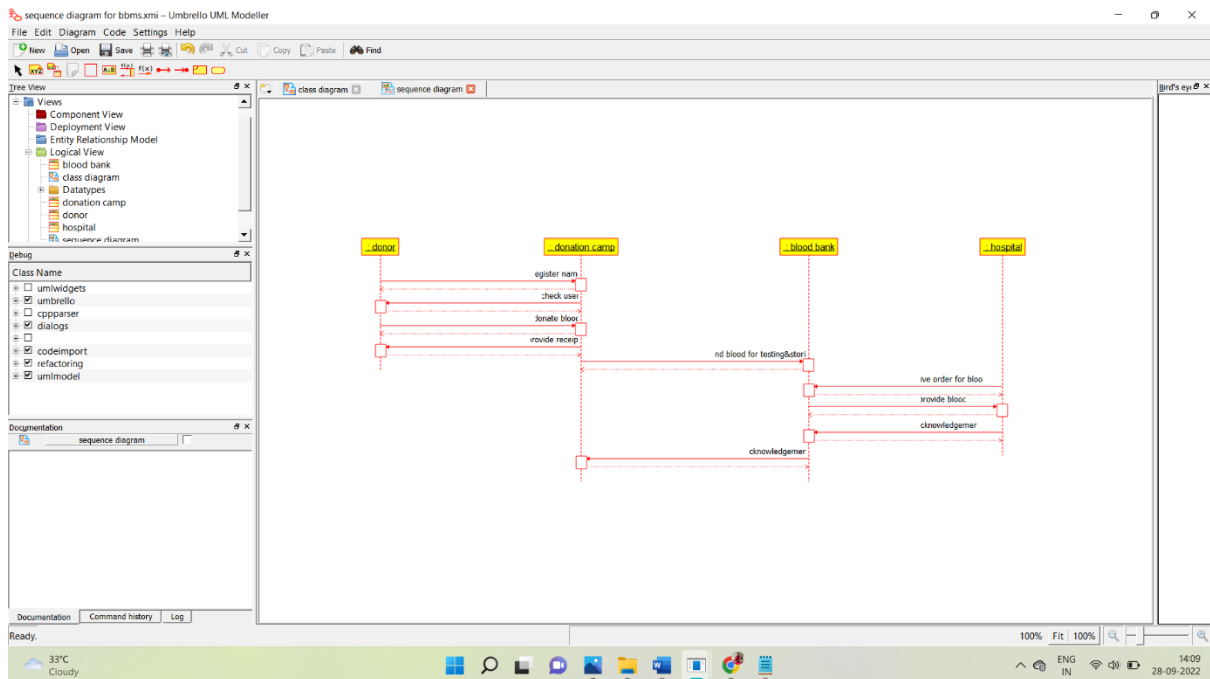
CLASS DIAGRAM:



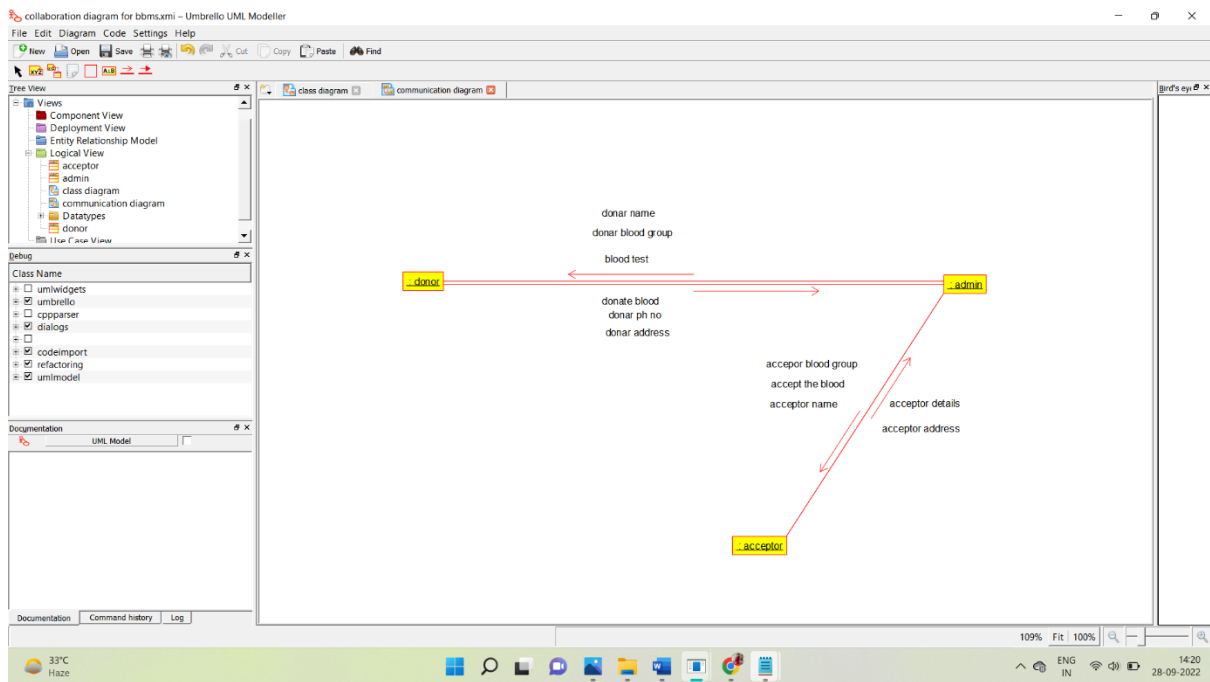
ACTIVITY DIAGRAM:



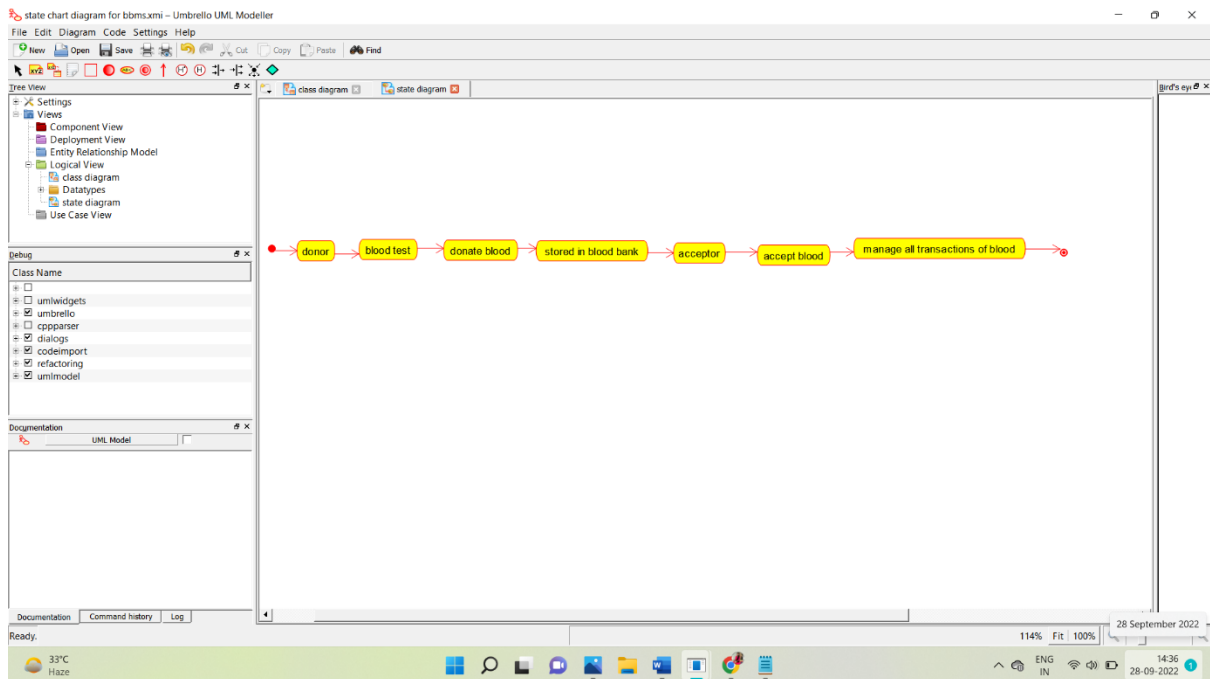
SEQUENCE DIAGRAM:



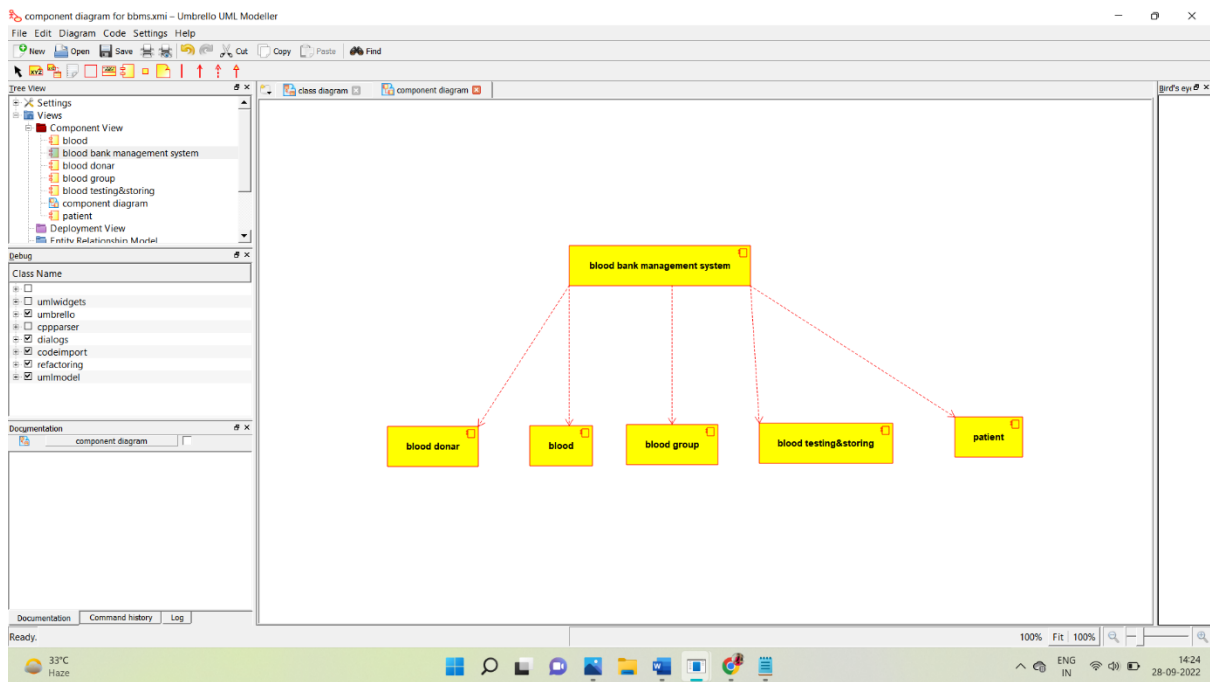
COLLABORATION DIAGRAM:



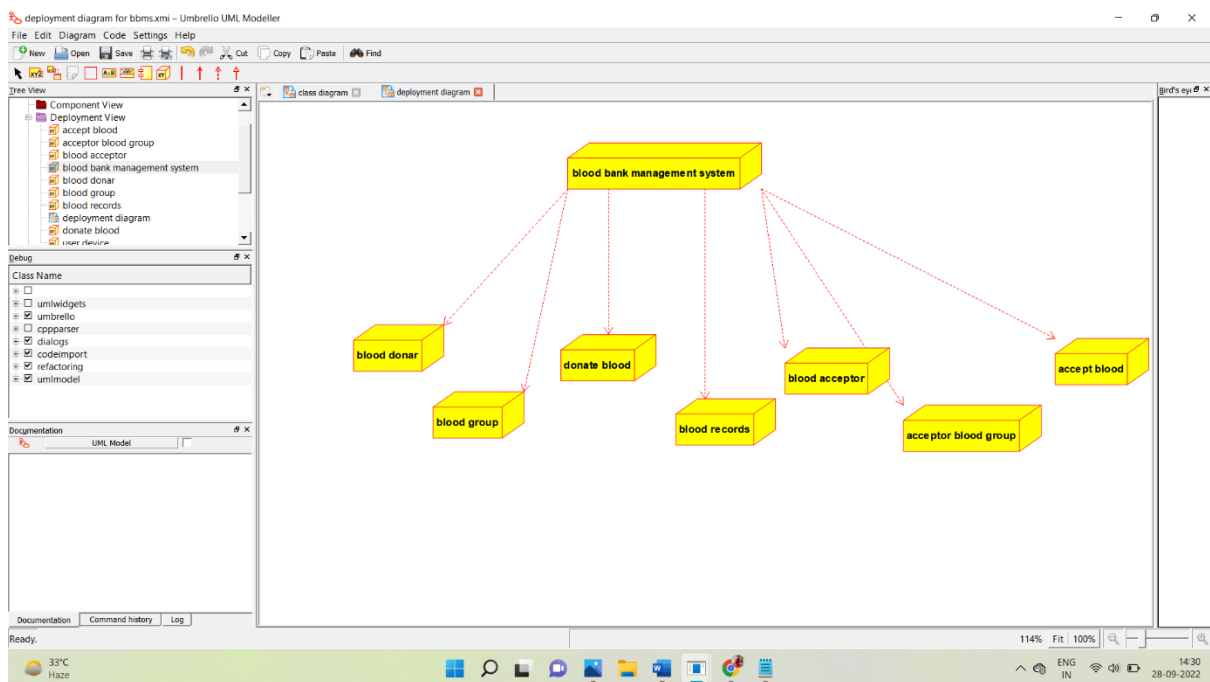
STATE CHART DIAGRAM:



COMPONENT DIAGRAM:



DEPLOYMENT DIAGRAM:



PROGRAM:

[1:39 PM, 9/28/2022] 🤖🤖🤖🤖: /**

* Class administrator

*/

```
public class administrator {
```

```
//
```

```
// Fields
```

```
//
```

```
private void account_id;
```

```
private void username;
```

```
private void password;
```

```
private void email;
```

```
private void role_id;
```

```
//
```

```
// Constructors
```

```
//
```

```
public administrator () { };
```

```
//
```

```
// Methods
```

```
//
```

```
//
```

```
// Accessor methods
```

```
//
```

```
/**
```

```
 * Set the value of account_id
```

```
 * @param newVar the new value of account_id
```

```
 */
```

```
private void setAccount_id (void newVar) {
```

```
    account_id = newVar;
```

```
}
```

```
/**
```

```
 * Get the value of account_id
```

```
 * @return the value of account_id
```

```
 */
```

```
private void getAccount_id () {
```

```
    return account_id;
```

```
}
```

```
/**
```

```
 * Set the value of username
```

```
 * @param newVar the new value of username
```

```
 */
```

```
private void setUsername (void newVar) {  
    username = newVar;  
}
```

```
/**
```

```
 * Get the value of username
```

```
 * @return the value of username
```

```
 */
```

```
private void getUsername () {  
    return username;  
}
```

```
/**
```

```
 * Set the value of password
```

```
 * @param newVar the new value of password
```

```
 */
```

```
private void setPassword (void newVar) {  
    password = newVar;  
}
```

```
/**
```

```
 * Get the value of password
```

```
 * @return the value of password
```

```
*/  
  
private void getPassword () {  
    return password;  
}  
  
/**  
 * Set the value of email  
 * @param newVar the new value of email  
 */  
  
private void setEmail (void newVar) {  
    email = newVar;  
}  
  
/**  
 * Get the value of email  
 * @return the value of email  
 */  
  
private void getEmail () {  
    return email;  
}  
  
/**  
 * Set the value of role_id
```



```
* @param newVar the new value of role_id  
*/
```

```
private void setRole_id (void newVar) {  
    role_id = newVar;  
}
```

```
/**
```

```
* Get the value of role_id
```

```
* @return the value of role_id
```

```
*/
```

```
private void getRole_id () {  
    return role_id;  
}
```

```
//
```

```
// Other methods
```

```
//
```

```
/**
```

```
*/
```

```
public void get_register()  
{  
}
```

```
/**
```

```
*/
```

```
public void account_login_()
```

```
{
```

```
}
```

```
/**
```

```
*/
```

```
public void update_database()
```

```
{
```

```
}
```

```
/**
```

```
*/
```

```
public void naintain_blood_report()
```

```
{
```

```
}
```

```
/**
```

```
*/
```

```
public void maintain_acceptors_info()
```

```
{
```

```
}
```

```
/**
```

```
*/
```

```
public void maintain_donor_info()
```

```
{
```

```
}
```

```
**
```

```
* Class donor
```

```
*/
```

```
public class donor {
```

```
//
```

```
// Fields
```

```
//
```

```
private void donor_id;
```

```
private void name;
```

```
private void phone_no;
```

```
private void address;
```

```
private void age;
```

```
private void blood_group;
```

```
private void password;
```

```
private void username;
```

```
//
```

```
// Constructors
```

```
//
```

```
public donor () { };
```

```
//
```

```
// Methods
```

```
//
```

```
//
```

```
// Accessor methods
```

```
//
```

```
/**
```

```
 * Set the value of donor_id
```

```
* @param newVar the new value of donor_id
```

```
*/
```

```
private void setDonor_id (void newVar) {
```

```
    donor_id = newVar;
```

```
}
```

```
/**
```

```
* Get the value of donor_id
```

```
* @return the value of donor_id
```

```
*/
```

```
private void getDonor_id () {
```

```
    return donor_id;
```

```
}
```

```
/**
```

```
* Set the value of name
```

```
* @param newVar the new value of name
```

```
*/
```

```
private void setName (void newVar) {
```

```
    name = newVar;
```

```
}
```

```
/**
```

```
* Get the value of name

* @return the value of name

*/

private void getName () {

    return name;

}


/**

* Set the value of phone_no

* @param newVar the new value of phone_no

*/

private void setPhone_no (void newVar) {

    phone_no = newVar;

}


/**

* Get the value of phone_no

* @return the value of phone_no

*/

private void getPhone_no () {

    return phone_no;

}
```

```
/**  
 * Set the value of address  
 * @param newVar the new value of address  
 */  
private void setAddress (void newVar) {  
    address = newVar;  
}
```

```
/**  
 * Get the value of address  
 * @return the value of address  
 */  
private void getAddress () {  
    return address;  
}
```

```
/**  
 * Set the value of age  
 * @param newVar the new value of age  
 */  
private void setAge (void newVar) {  
    age = newVar;  
}
```

```
/**  
  
* Get the value of age  
  
* @return the value of age  
  
*/
```

```
private void getAge () {  
  
    return age;  
  
}
```

```
/**  
  
* Set the value of blood_group  
  
* @param newVar the new value of blood_group  
  
*/
```

```
private void setBlood_group (void newVar) {  
  
    blood_group = newVar;  
  
}
```

```
/**  
  
* Get the value of blood_group  
  
* @return the value of blood_group  
  
*/
```

```
private void getBlood_group () {  
  
    return blood_group;
```



```
}
```

```
/**
```

```
 * Set the value of password
```

```
 * @param newVar the new value of password
```

```
 */
```

```
private void setPassword (void newVar) {
```

```
    password = newVar;
```

```
}
```

```
/**
```

```
 * Get the value of password
```

```
 * @return the value of password
```

```
 */
```

```
private void getPassword () {
```

```
    return password;
```

```
}
```

```
/**
```

```
 * Set the value of username
```

```
 * @param newVar the new value of username
```

```
 */
```

```
private void setUsername (void newVar) {
```

```
username = newVar;  
  
}  
  
/**  
 * Get the value of username  
 * @return the value of username  
 */  
private void getUsername () {  
    return username;  
}  
  
//  
// Other methods  
//  
  
/**  
 */  
public void get_registered()  
{  
}  
  
/**
```

```
*/  
  
public void account_login()  
{  
}
```

```
/**  
*/  
  
public void donate_blood()  
{  
}
```

```
/**  
*/  
  
public void health_info()  
{  
}
```

```
/**  
*/  
  
public void logout()
```

```
{  
}  
}  
  
/**  
 * Class acceptor  
 */  
public class acceptor {  
  
    //   
    // Fields  
    //   
  
    private void donor_id;  
    private void name_;  
    private void phone_no;  
    private void address;  
    private void username;  
    private void password;  
    private void blood_group_required;  
    private void required_amount;  
  
    //   
    // Constructors
```

```
//
```

```
public acceptor () { };
```

```
//
```

```
// Methods
```

```
//
```

```
//
```

```
// Accessor methods
```

```
//
```

```
/**
```

```
 * Set the value of donor_id
```

```
 * @param newVar the new value of donor_id
```

```
 */
```

```
private void setDonor_id (void newVar) {
```

```
    donor_id = newVar;
```

```
}
```

```
/**
```

```
 * Get the value of donor_id
```

```
 * @return the value of donor_id
```

```
*/  
  
private void getDonor_id () {  
    return donor_id;  
}  
  
/**  
 * Set the value of name_  
 * @param newVar the new value of name_  
 */  
  
private void setName_ (void newVar) {  
    name_ = newVar;  
}  
  
/**  
 * Get the value of name_  
 * @return the value of name_  
 */  
  
private void getName_ () {  
    return name_;  
}  
  
/**  
 * Set the value of phone_no
```

```
* @param newVar the new value of phone_no
```

```
*/
```

```
private void setPhone_no (void newVar) {
```

```
    phone_no = newVar;
```

```
}
```

```
/**
```

```
* Get the value of phone_no
```

```
* @return the value of phone_no
```

```
*/
```

```
private void getPhone_no () {
```

```
    return phone_no;
```

```
}
```

```
/**
```

```
* Set the value of address
```

```
* @param newVar the new value of address
```

```
*/
```

```
private void setAddress (void newVar) {
```

```
    address = newVar;
```

```
}
```

```
/**
```

```
* Get the value of address  
* @return the value of address  
*/
```

```
private void getAddress () {  
    return address;  
}
```

```
/**
```

```
* Set the value of username  
* @param newVar the new value of username  
*/
```

```
private void setUsername (void newVar) {  
    username = newVar;  
}
```

```
/**
```

```
* Get the value of username  
* @return the value of username  
*/
```

```
private void getUsername () {  
    return username;  
}
```



```
/**  
 * Set the value of password  
 * @param newVar the new value of password  
 */  
private void setPassword (void newVar) {  
    password = newVar;  
}
```

```
/**  
 * Get the value of password  
 * @return the value of password  
 */  
private void getPassword () {  
    return password;  
}
```

```
/**  
 * Set the value of blood_group_required  
 * @param newVar the new value of blood_group_required  
 */  
private void setBlood_group_required (void newVar) {  
    blood_group_required = newVar;  
}
```

```
/**  
 * Get the value of blood_group_required  
 * @return the value of blood_group_required  
 */
```

```
private void getBlood_group_required () {  
    return blood_group_required;  
}
```

```
/**  
 * Set the value of required_amount  
 * @param newVar the new value of required_amount  
 */
```

```
private void setRequired_amount (void newVar) {  
    required_amount = newVar;  
}
```

```
/**  
 * Get the value of required_amount  
 * @return the value of required_amount  
 */
```

```
private void getRequired_amount () {  
    return required_amount;  
}
```

```
}
```

```
//
```

```
// Other methods
```

```
//
```

```
/**
```

```
*/
```

```
public void get_registered()
```

```
{
```

```
}
```

```
/**
```

```
*/
```

```
public void account_login()
```

```
{
```

```
}
```

```
/**
```

```
*/
```

```
public void provide_patient_info()
```

```
{  
}
```

```
/**  
*/
```

```
public void logout()
```

```
{  
}
```

```
}
```