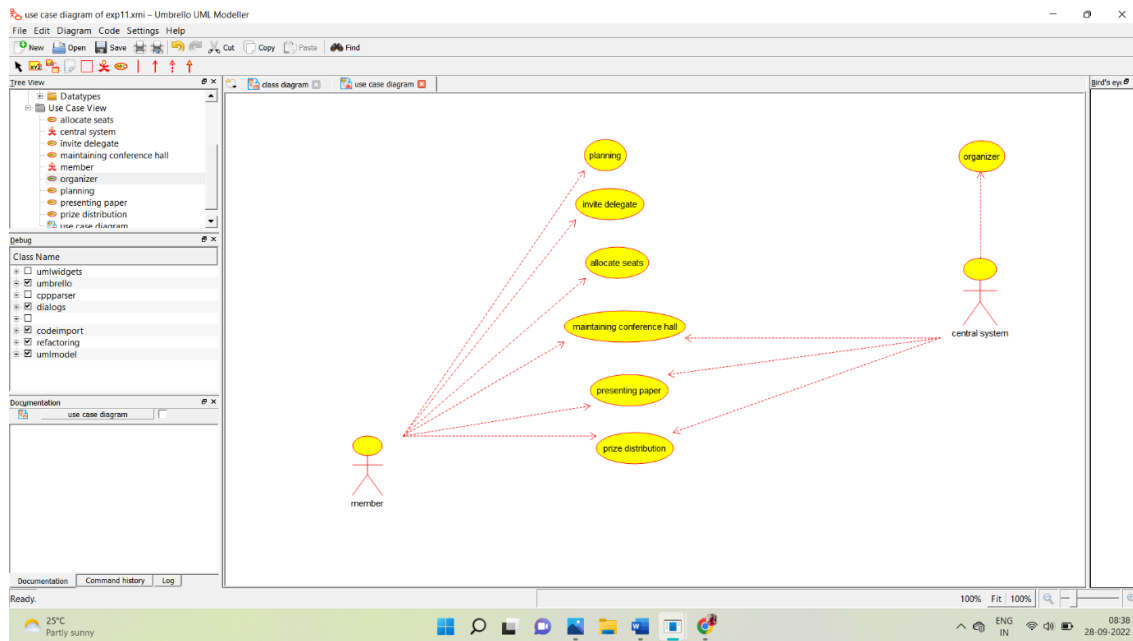
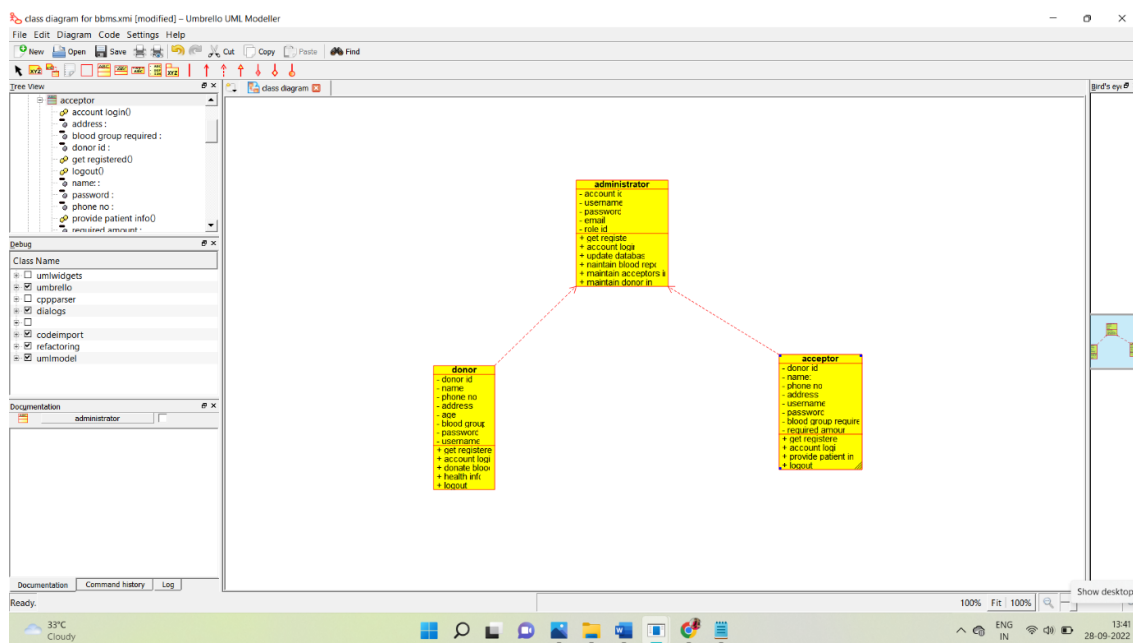


15 BLOOD BANK MANAGEMENT SYSTEM

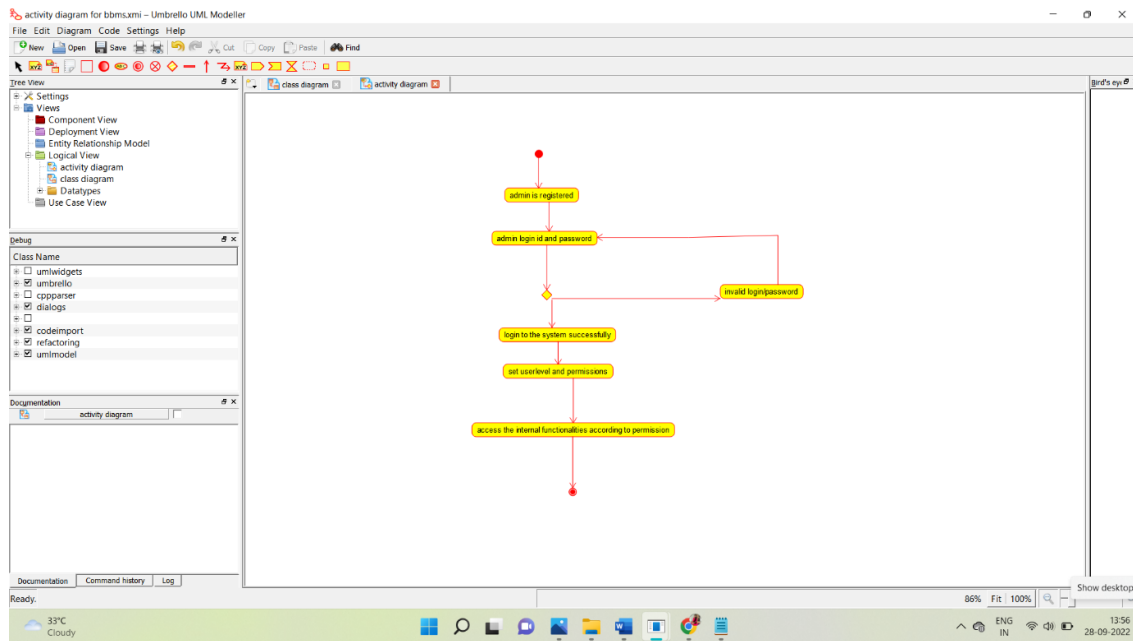
USE CASE DIAGRAM



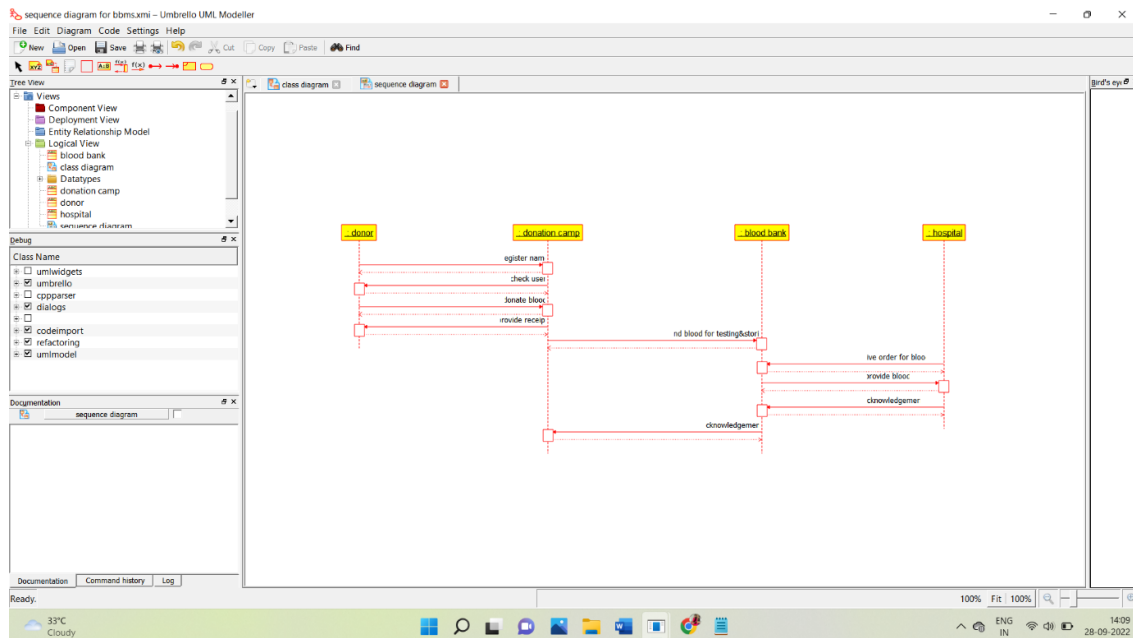
CLASS DIAGRAM:



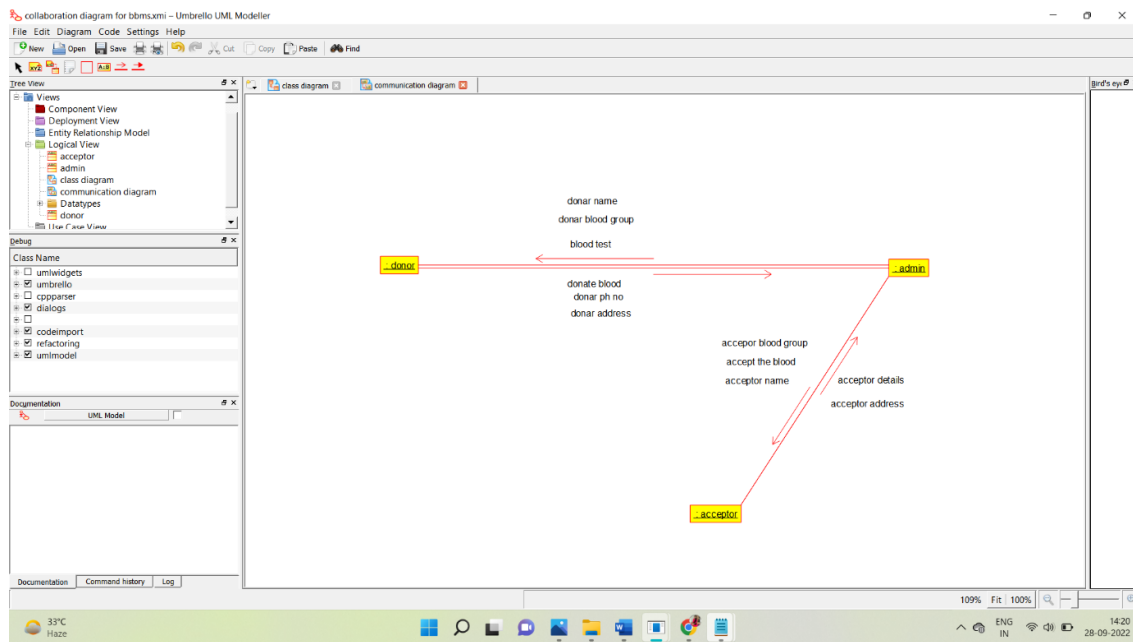
ACTIVITY DIAGRAM



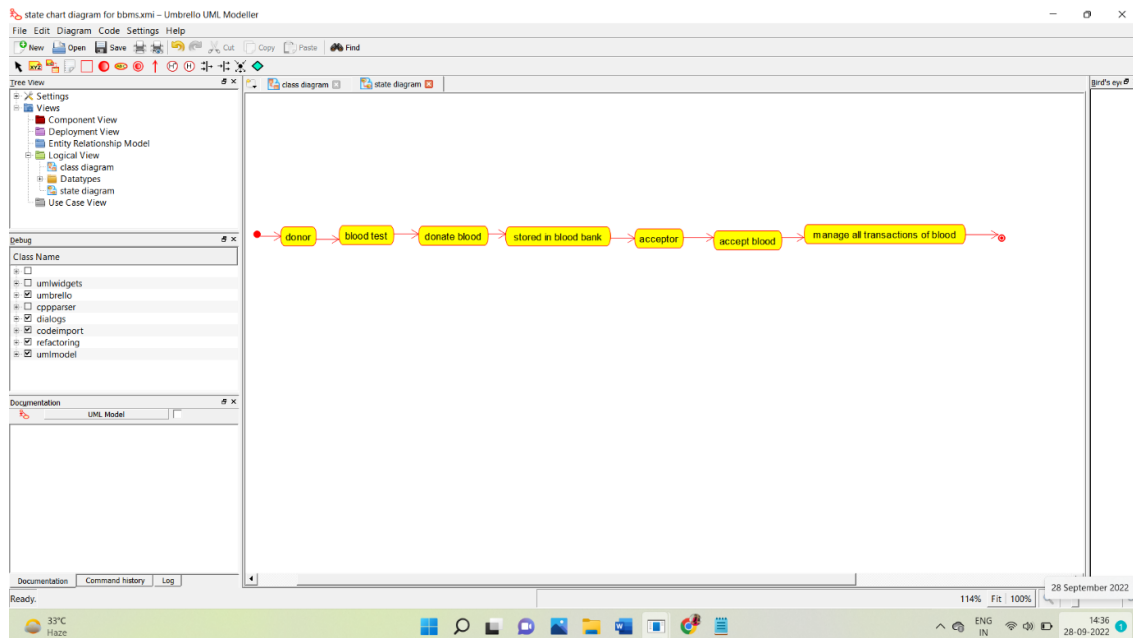
SEQUENCE DIAGRAM



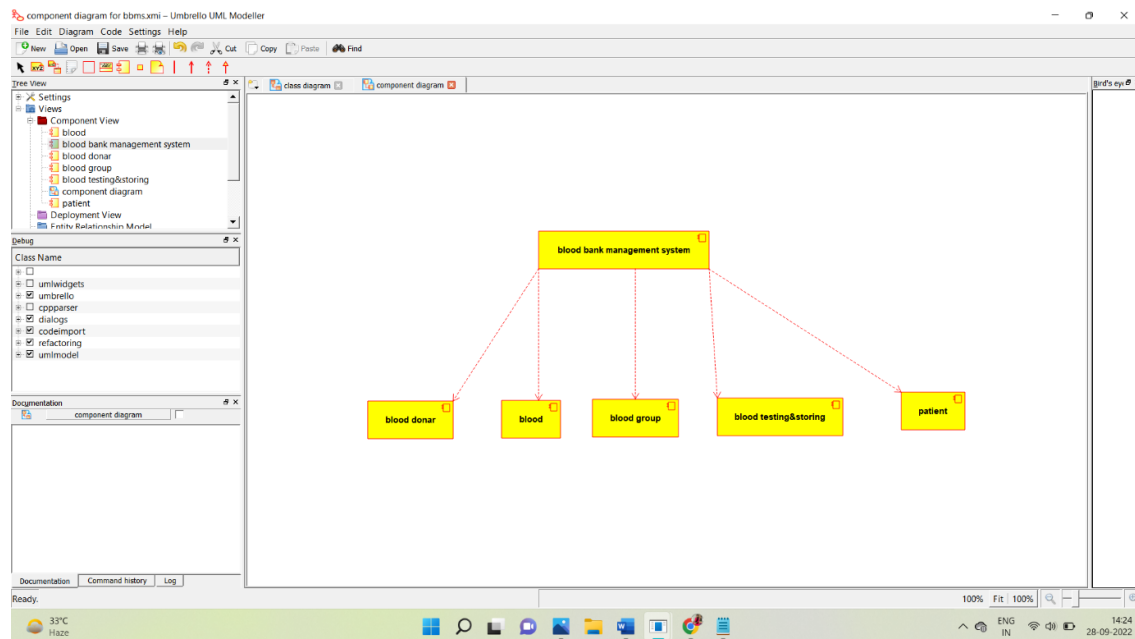
COLLABORATION DIAGRAM



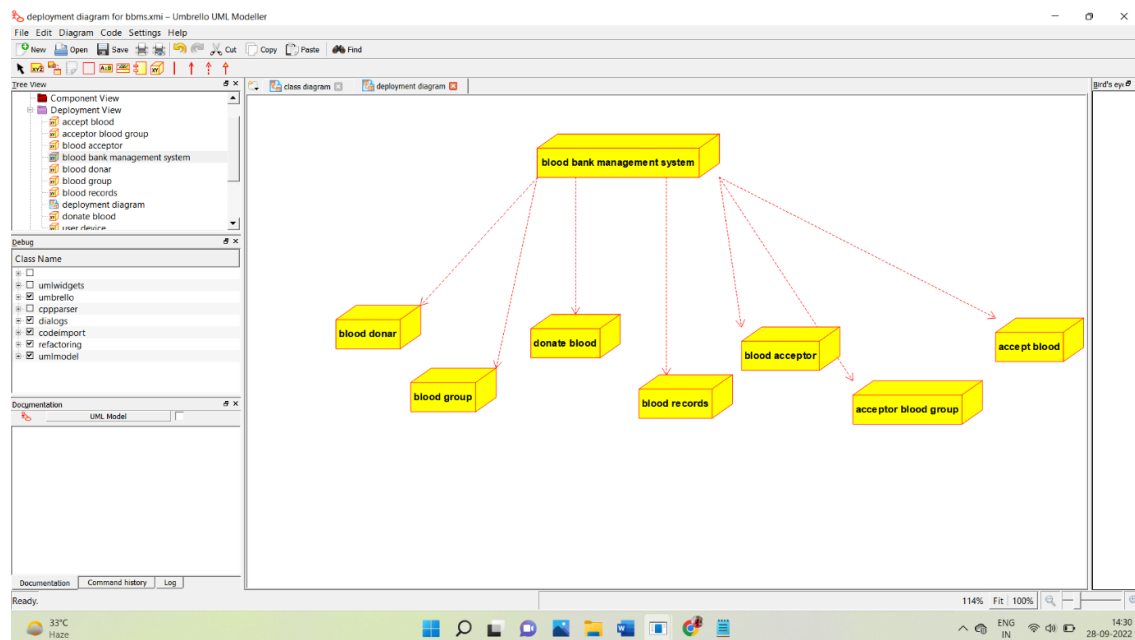
STATE CHART DIAGRAM



COMPONENT DIAGRAM



DEPLOYMENT DIAGRAM



PROGRAM:

```
/**
```

```
 * 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()
```

```
{
```

```
}
```

```
}
```