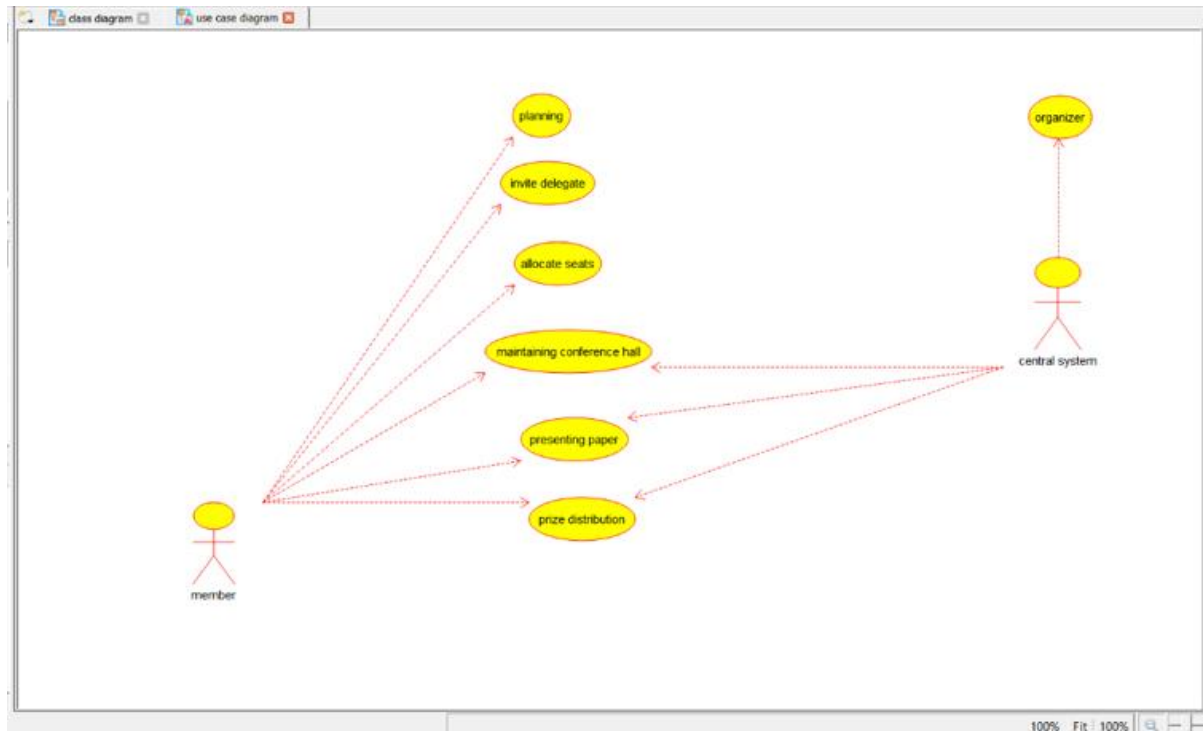
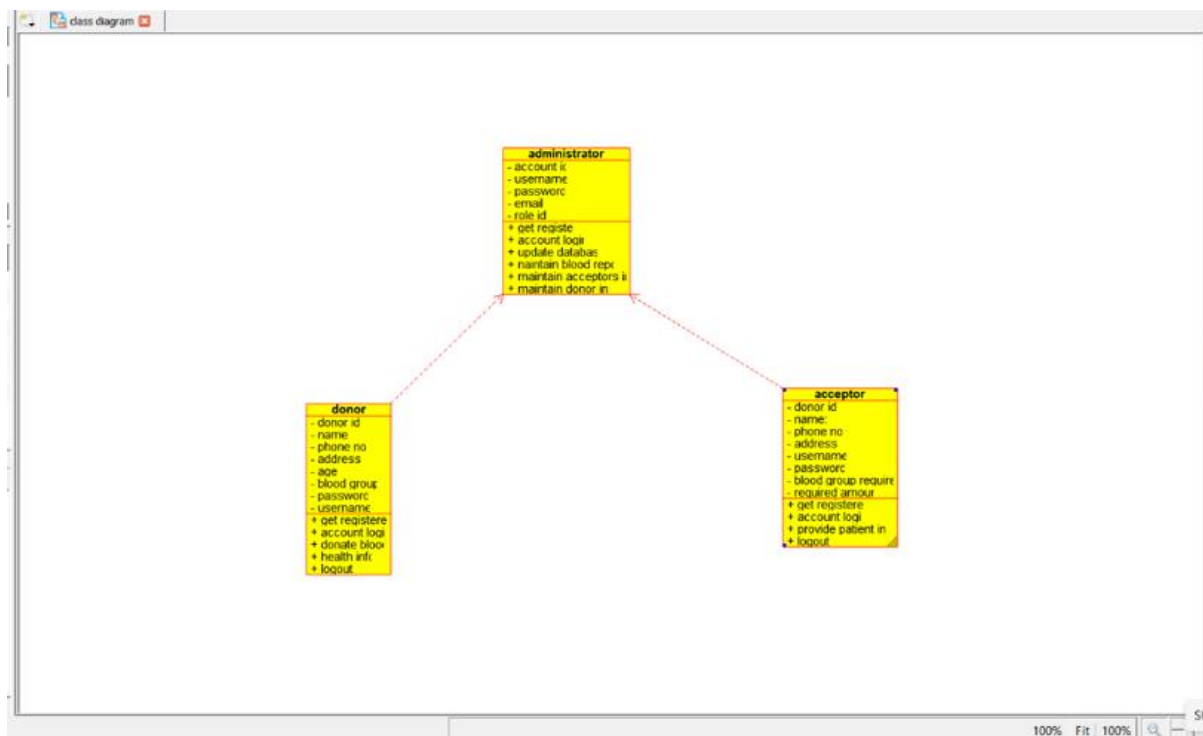


EXP 15 : BLOOD BANK MANAGEMENT SYSTEM

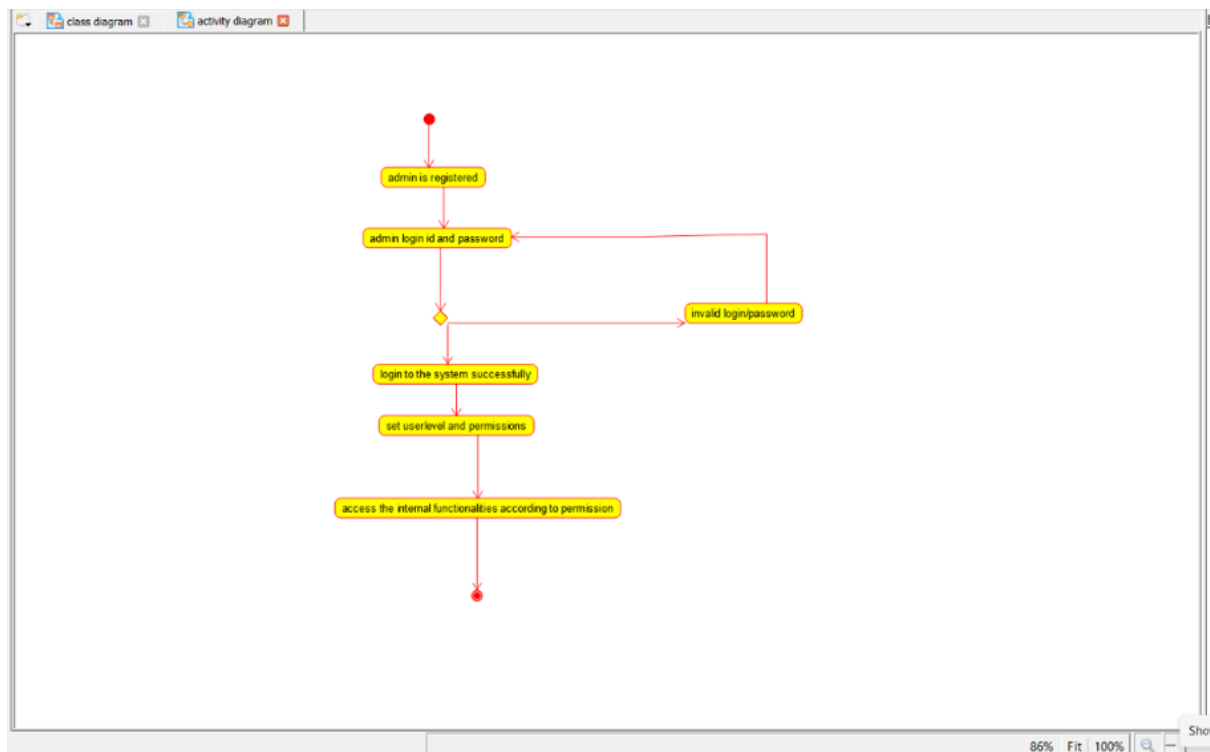
USE CASE DIAGRAM:



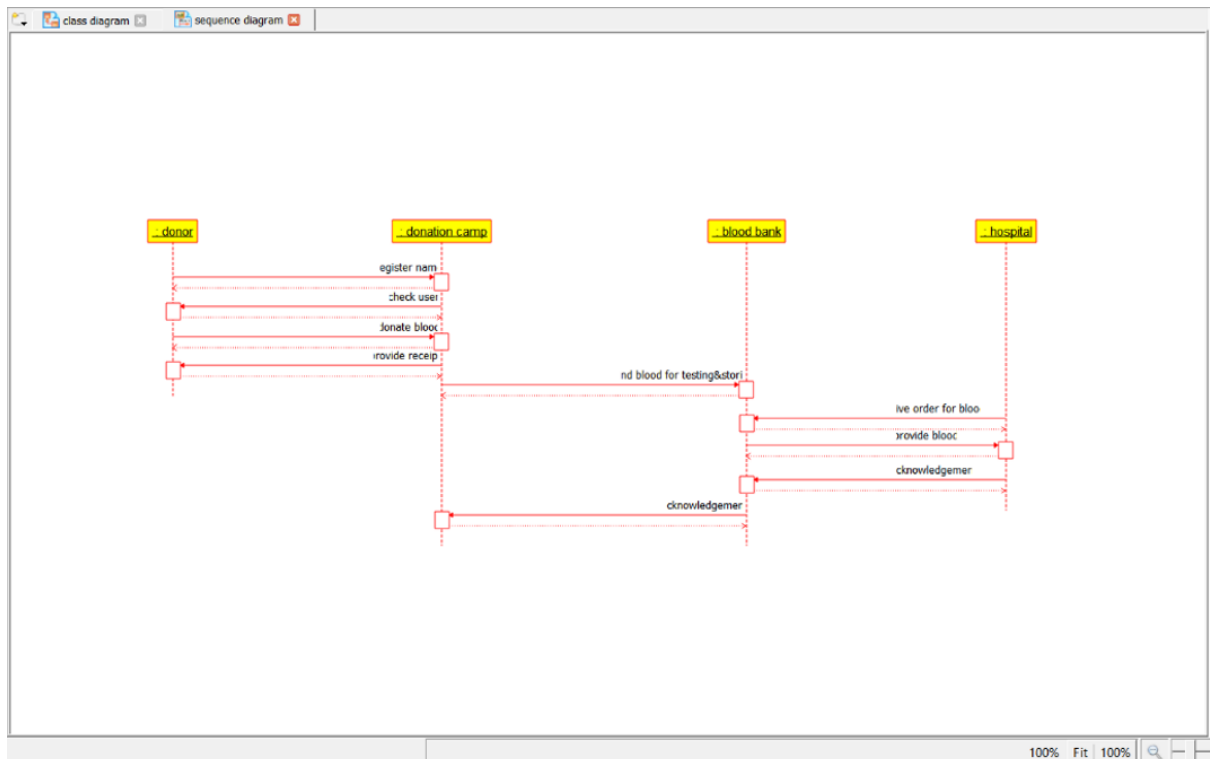
CLASS DIAGRAM:



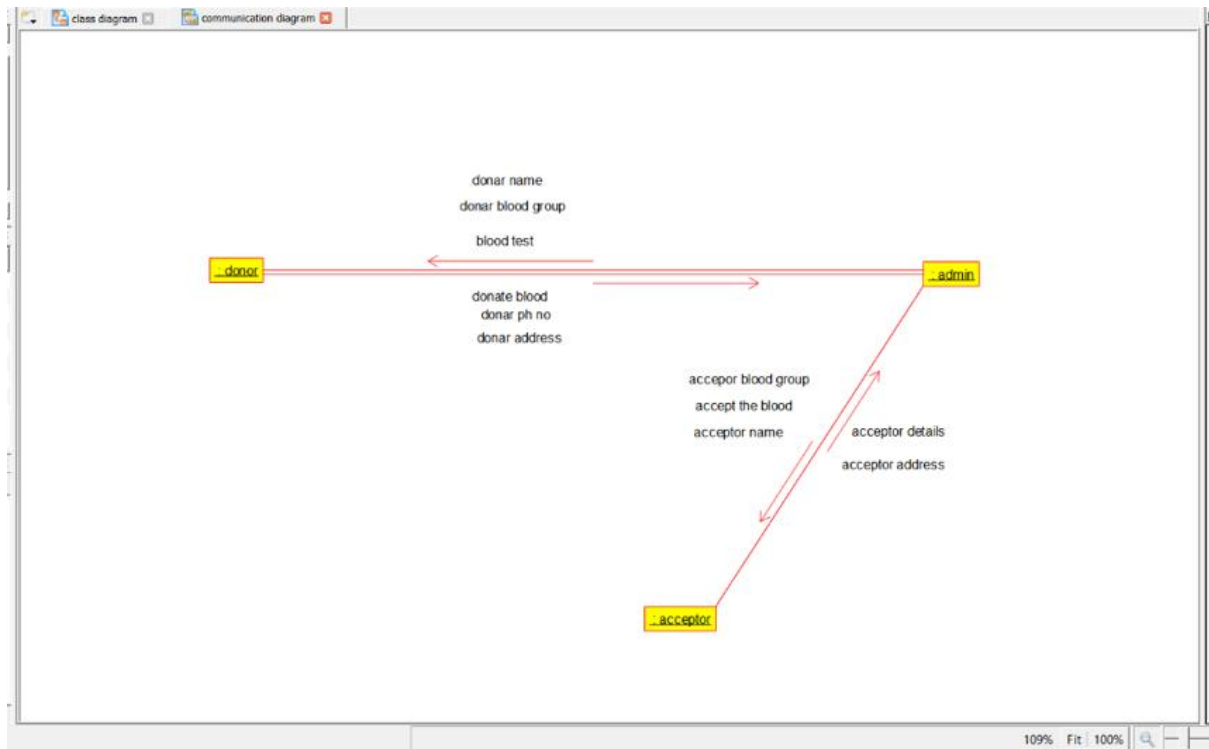
ACTIVITY DIAGRAM:



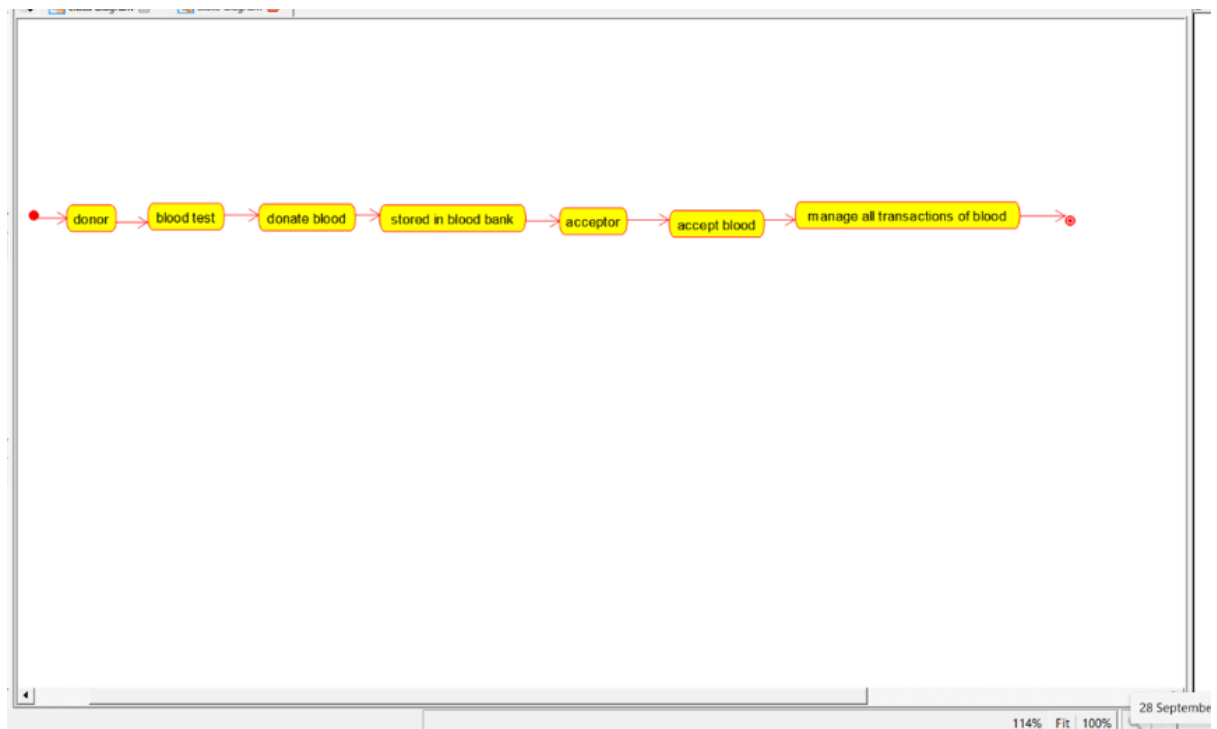
SEQUENCE DIAGRAM:



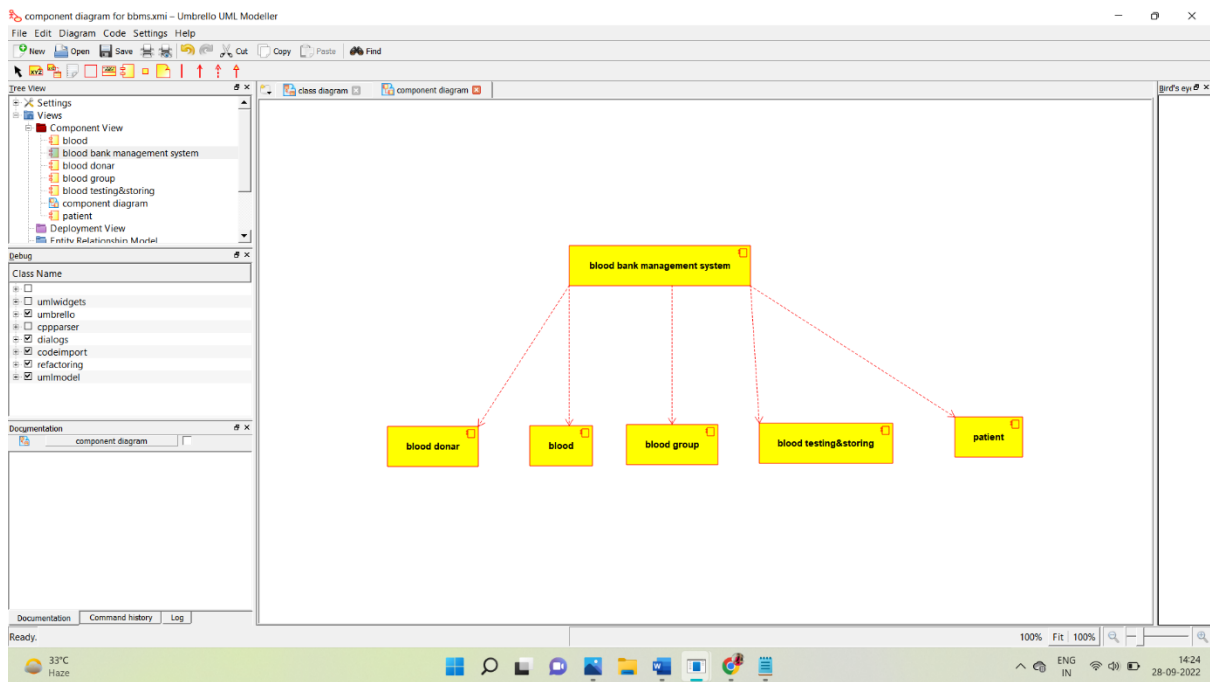
COLLABORATION DIAGRAM:



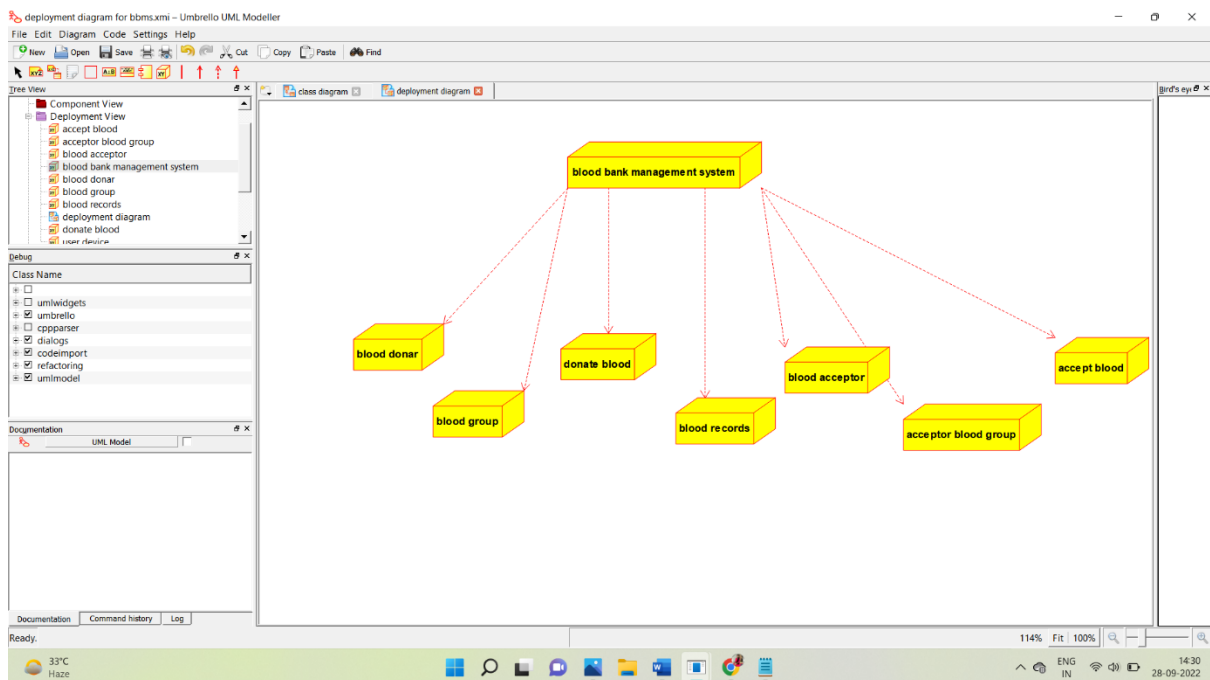
STATE CHART DIAGRAM:



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 {
```

```
    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;
```

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

```
/**
```

```
* 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()
```

```
{
```

```
}
```

```
}
```