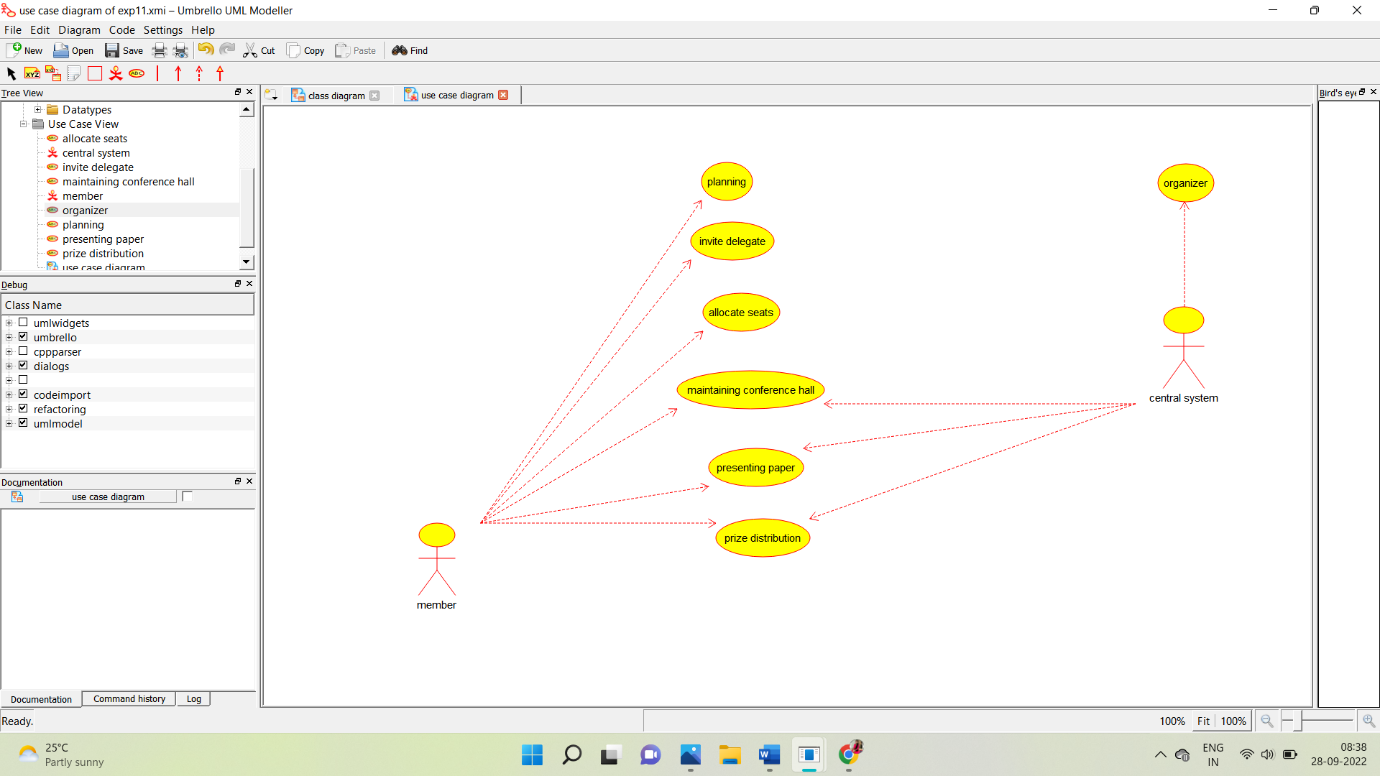
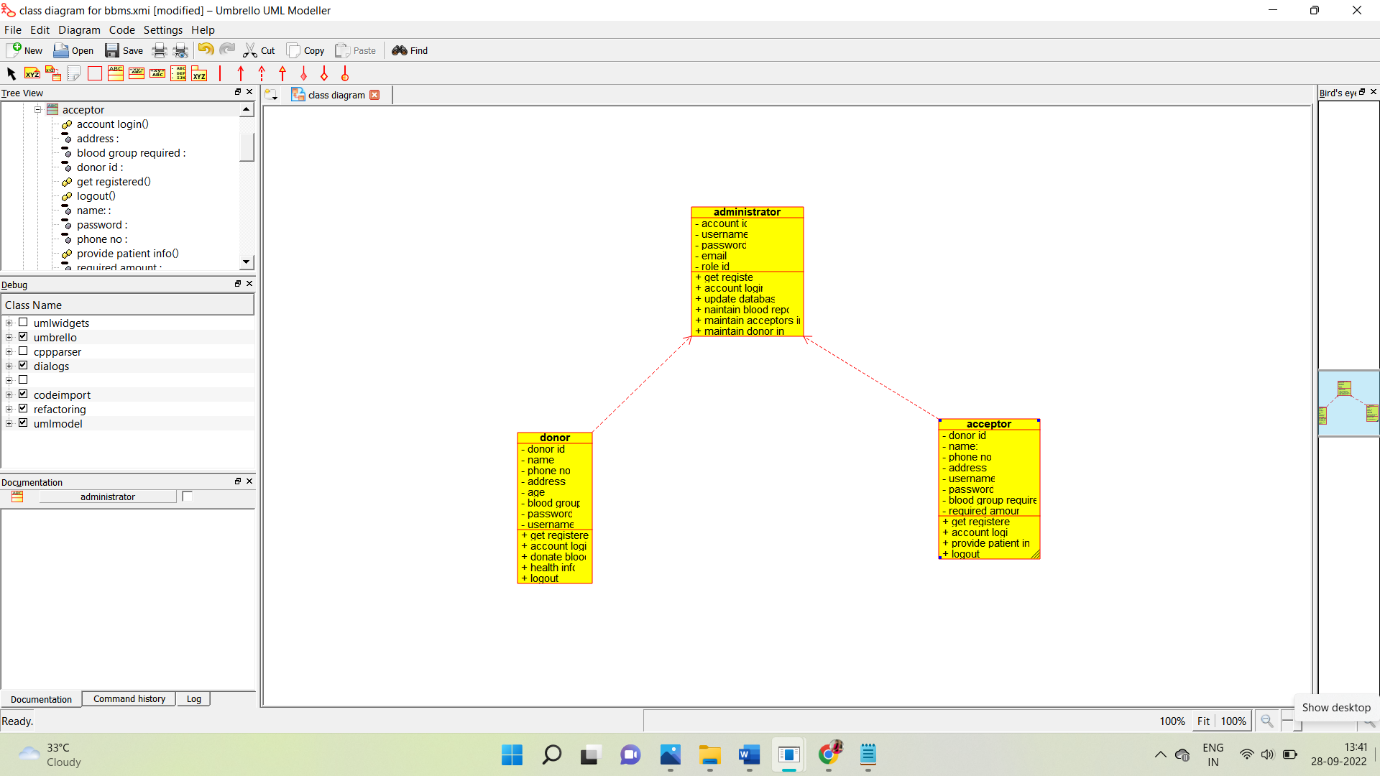
|  |  |
| --- | --- |
| **Ex:No:15** | **BLOOD BANK MANAGEMENT SYSTEM** |

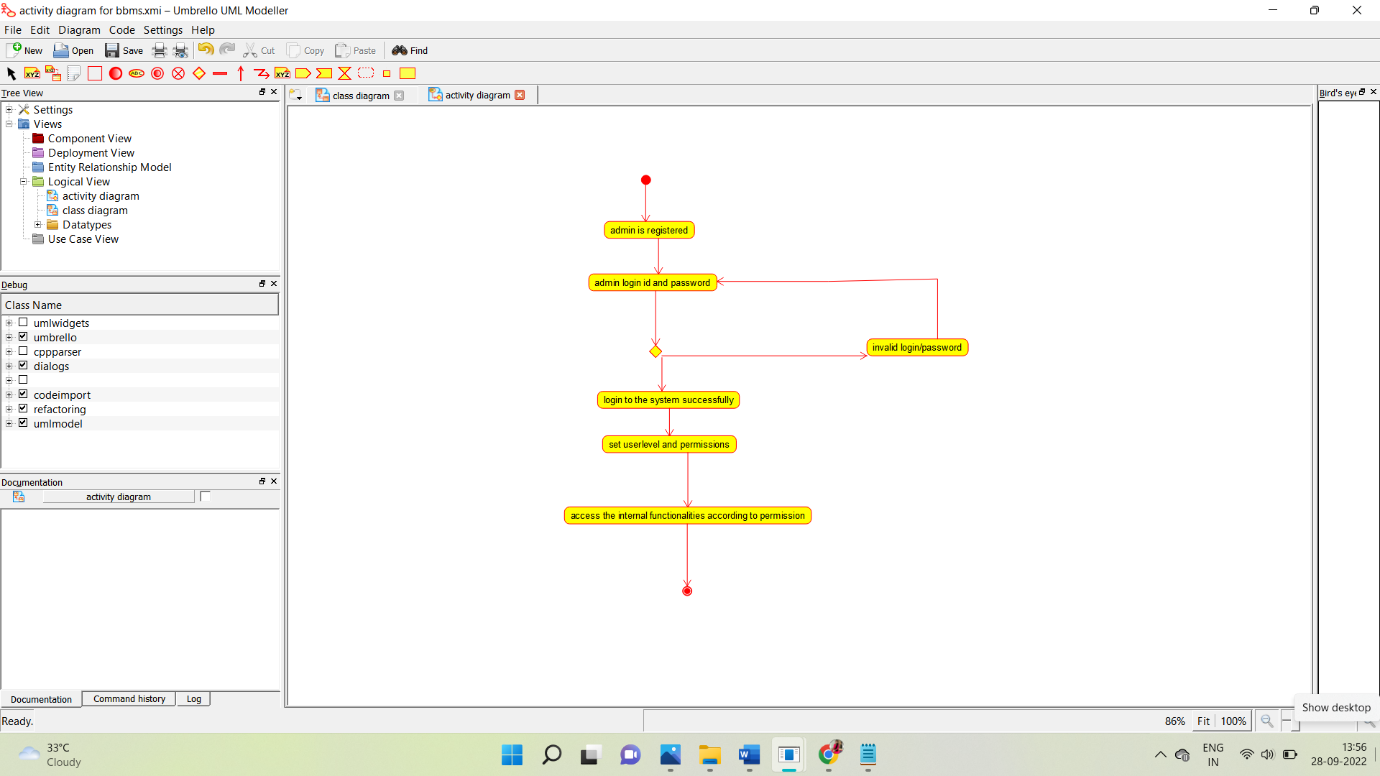
**USE CASE DIAGRAM**:



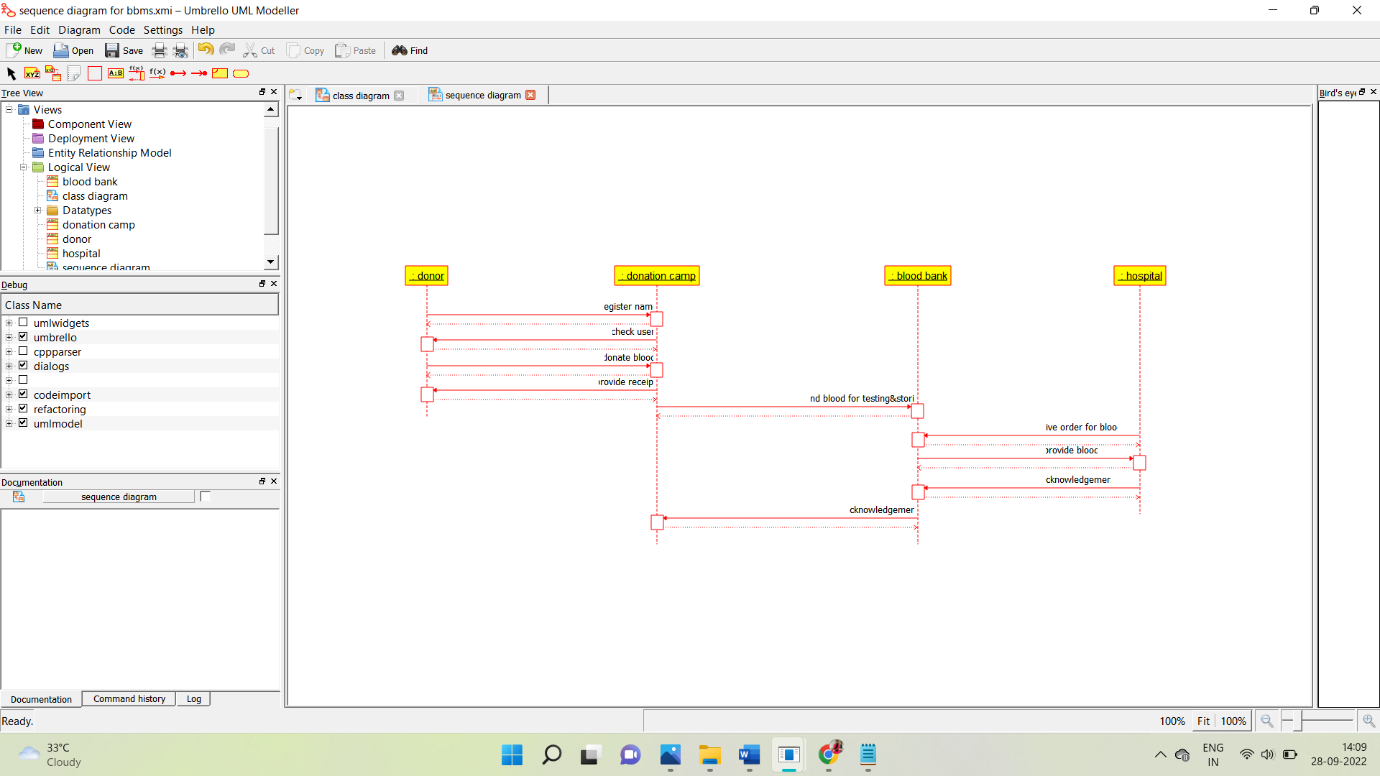
**CLASS DIAGRAM:**



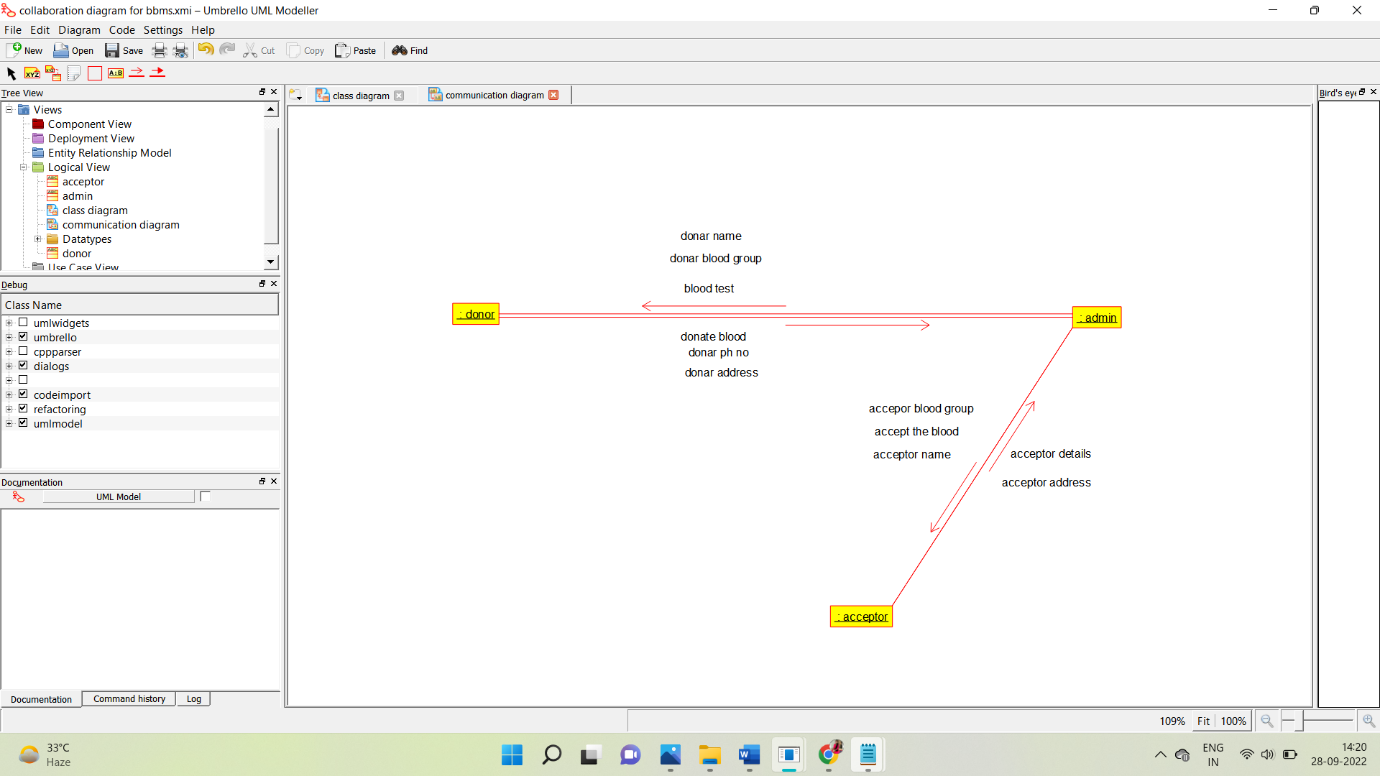
**ACTIVITY DIAGRAM:**



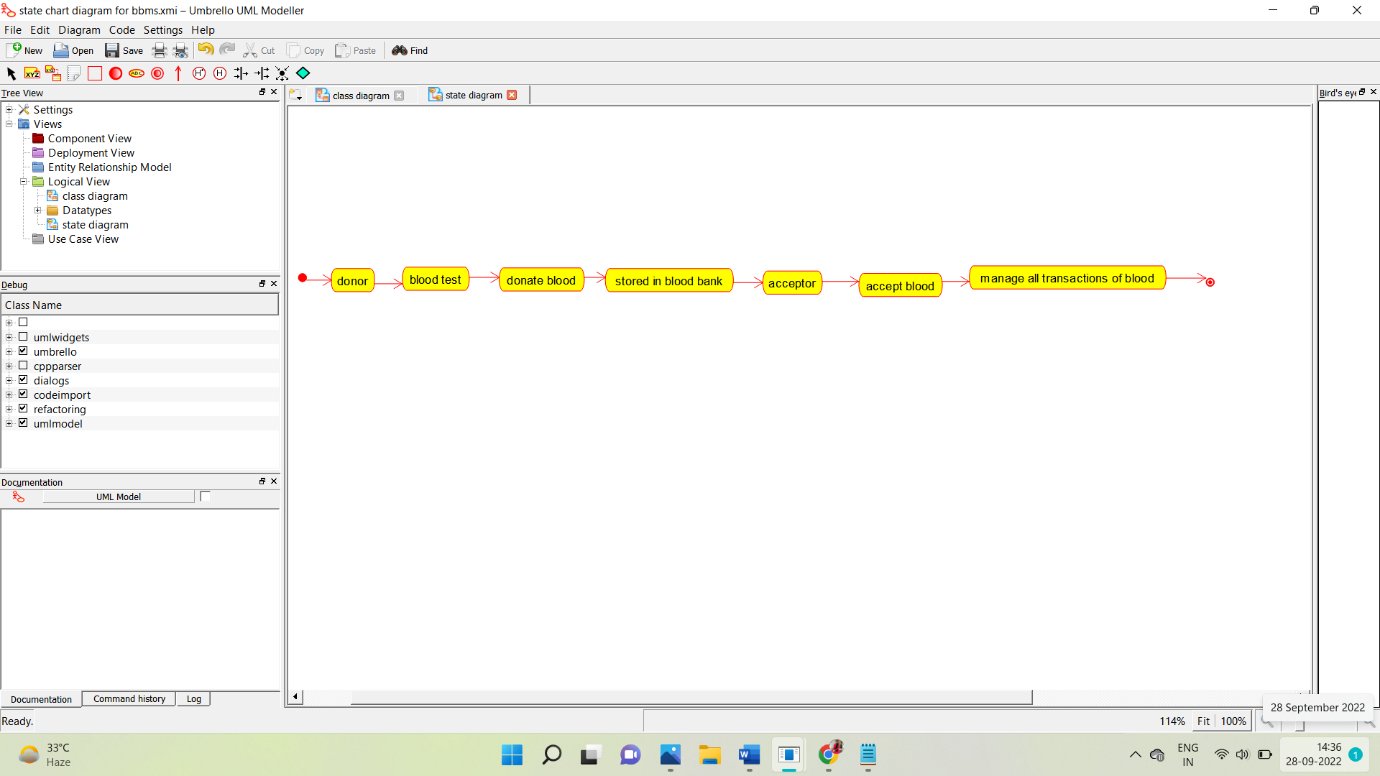
**SEQUENCE DIAGRAM:**



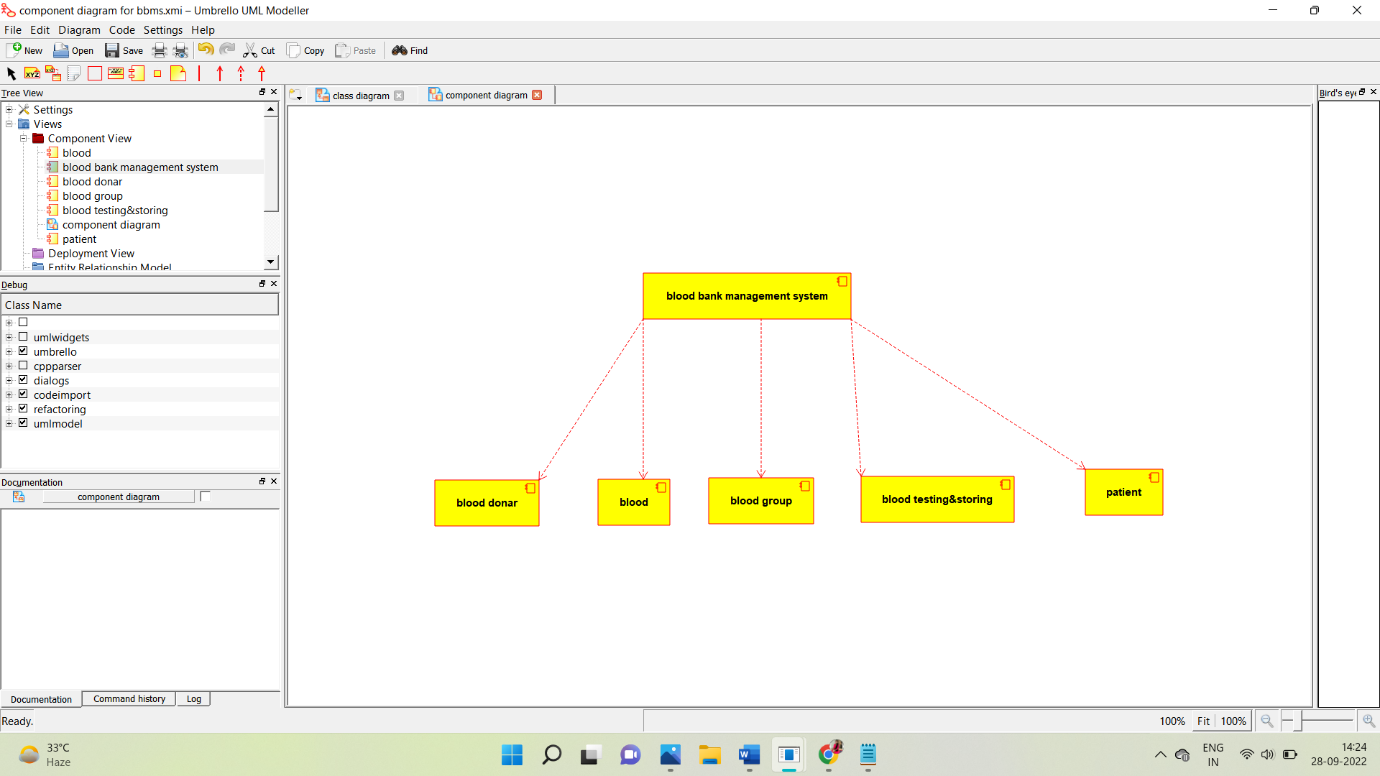
**COLLABORATION DIAGRAM:**



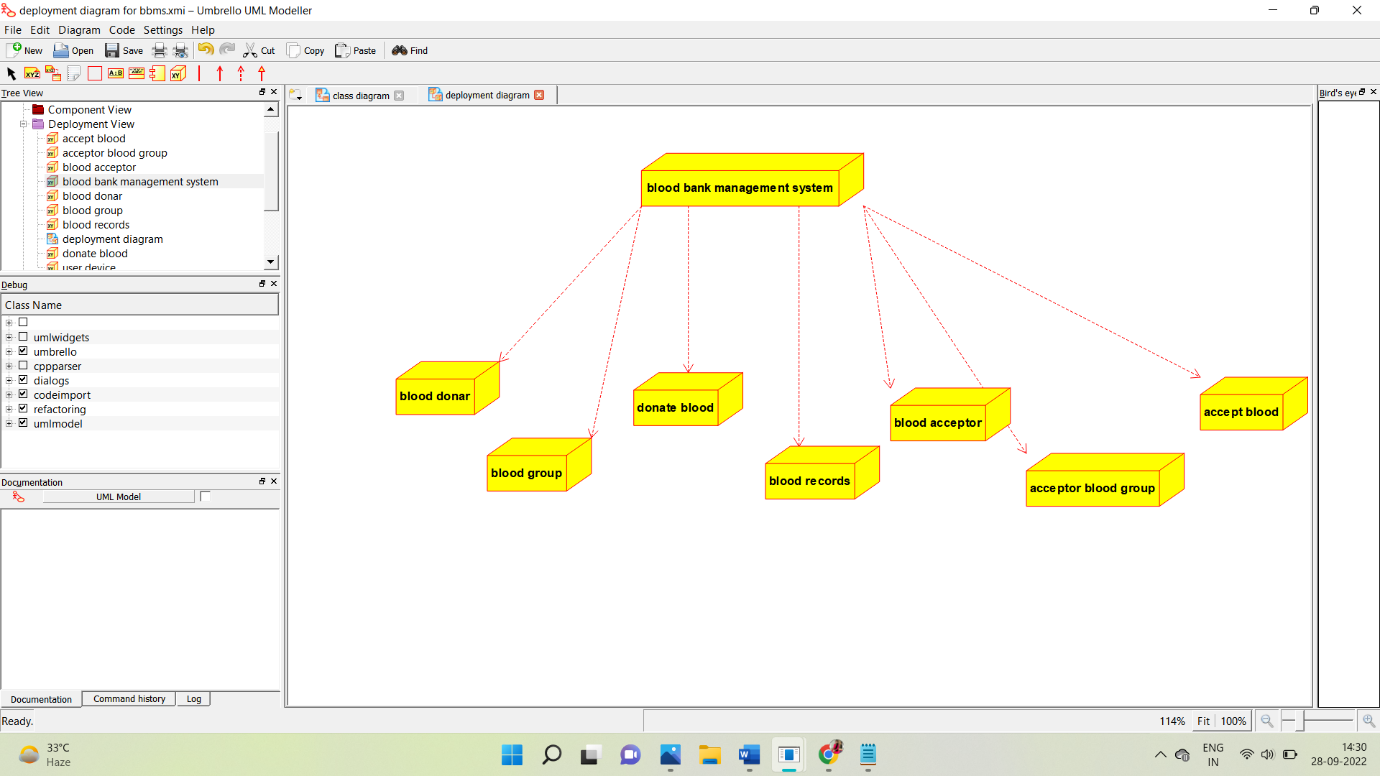
**STATE CHART DIAGRAM:**



**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()**

**{**

**}**

**}**