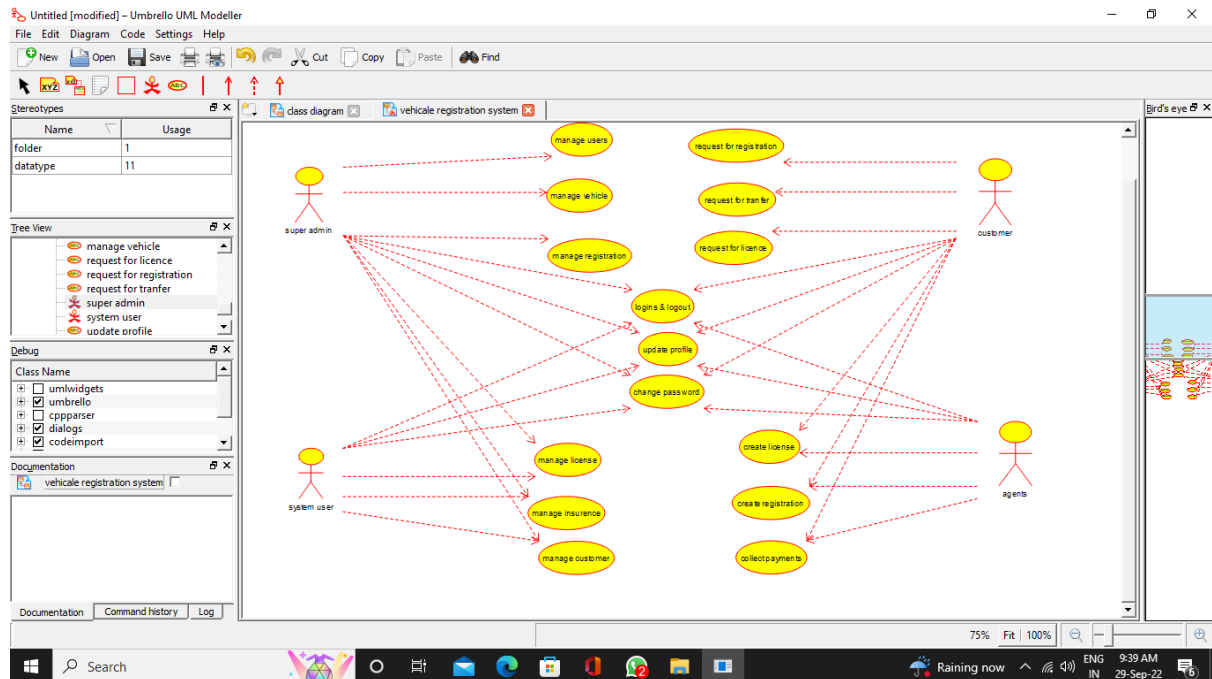
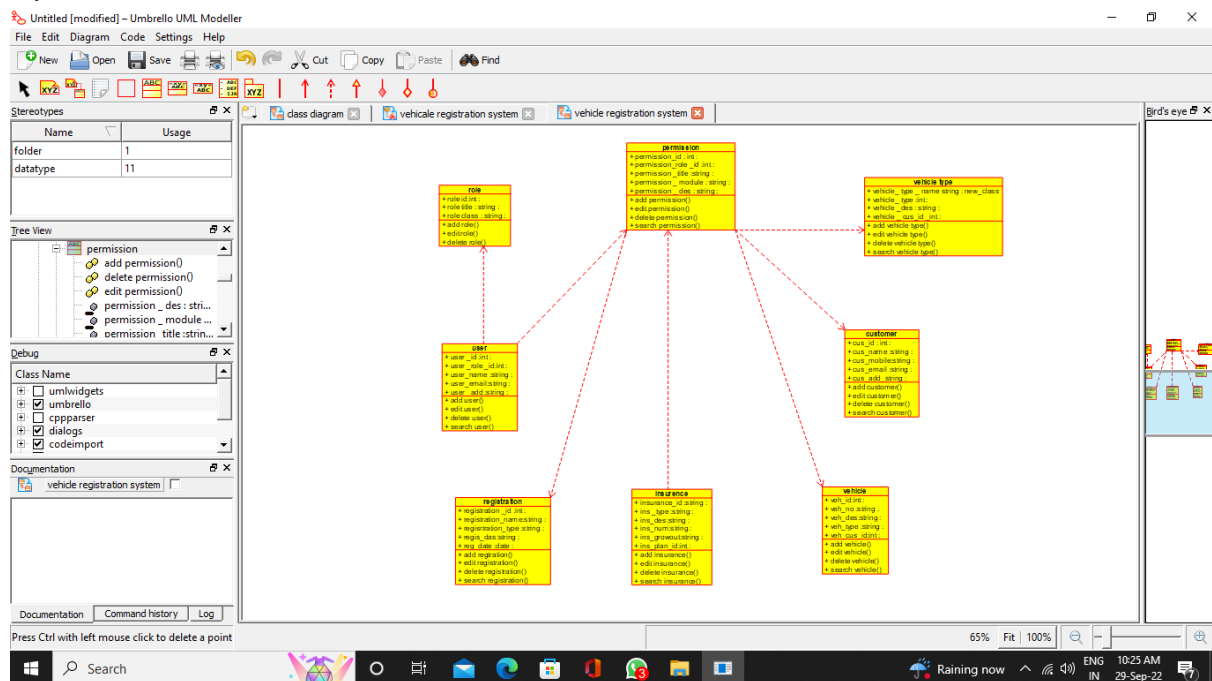


# EXPERIMENT 17(VEHICLE REGISTRATION SYSTEM)

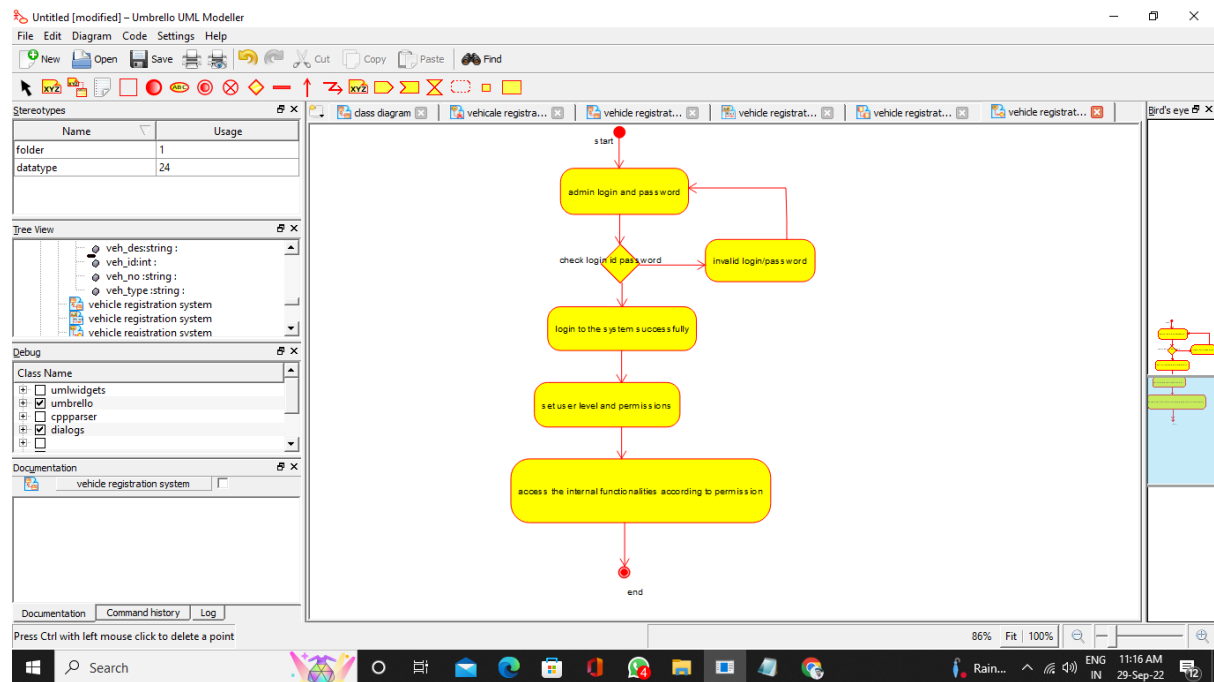
## 1) USE CASE DIAGRAM



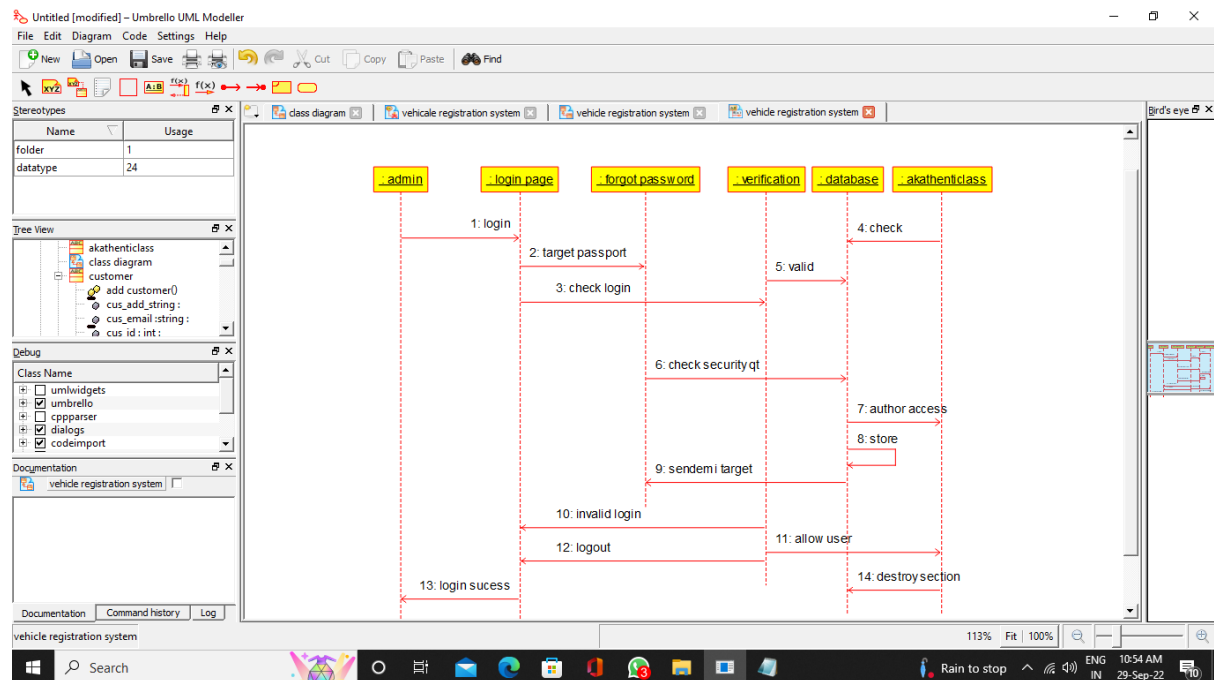
## 2) CLASS DIAGRAM



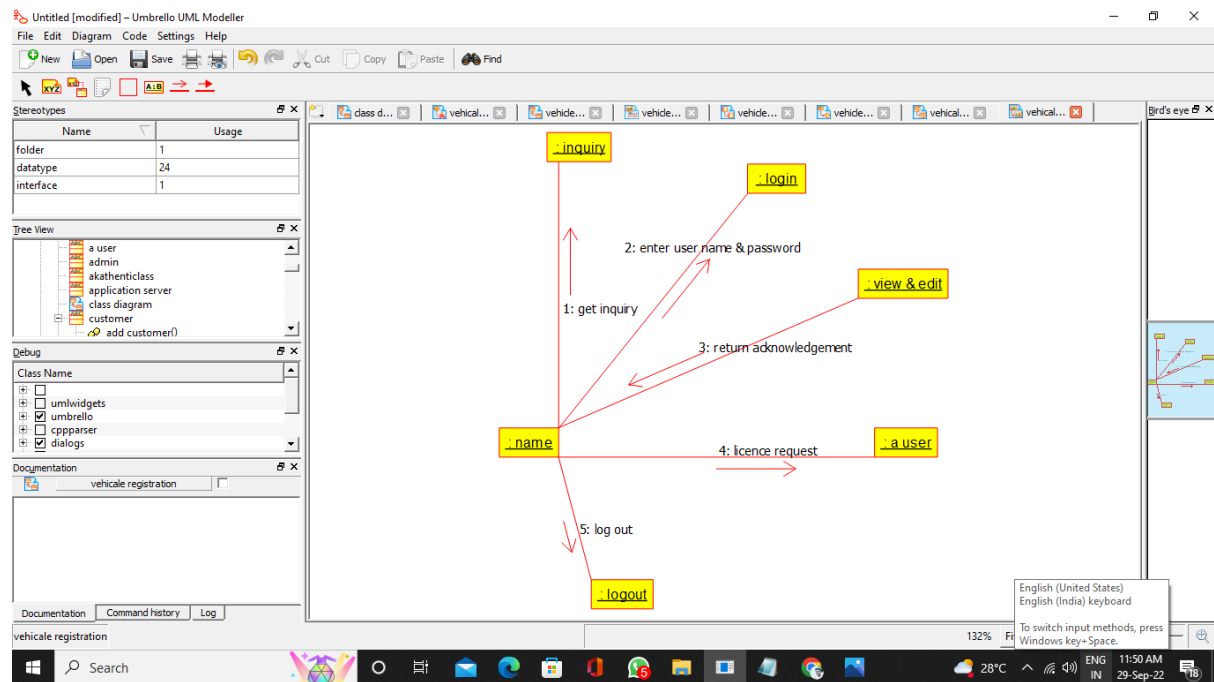
### 3) ACTIVITY DIAGRAM



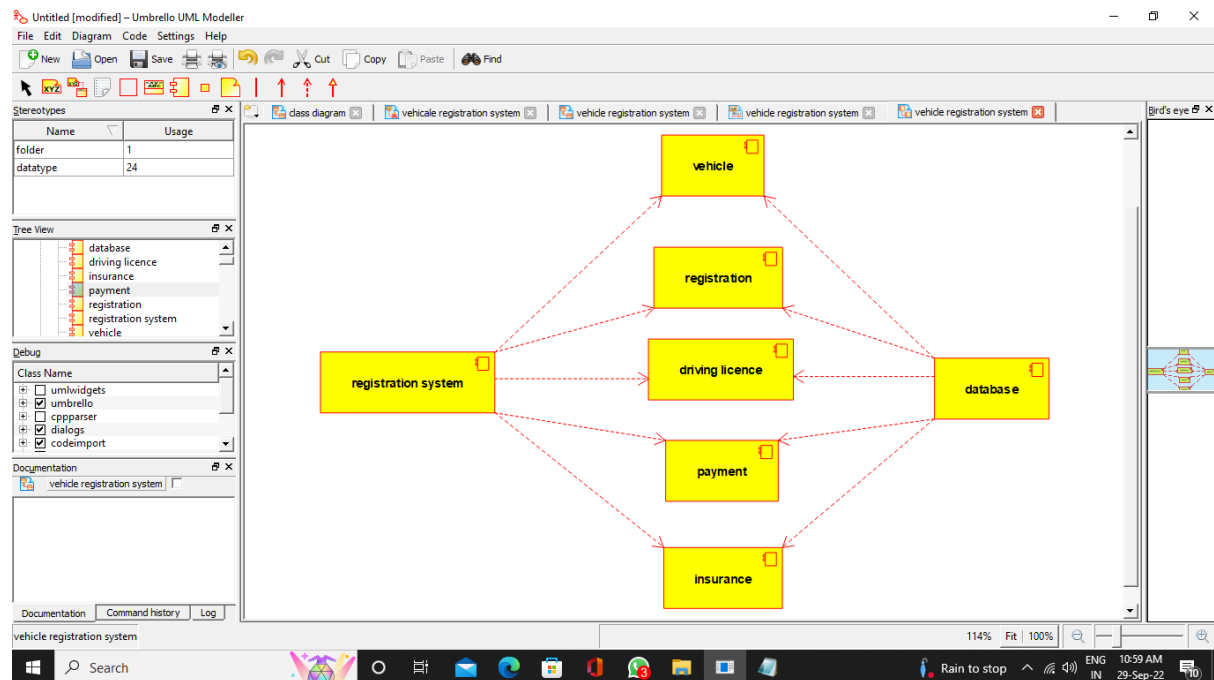
### 4) SEQUENCE DIAGRAM



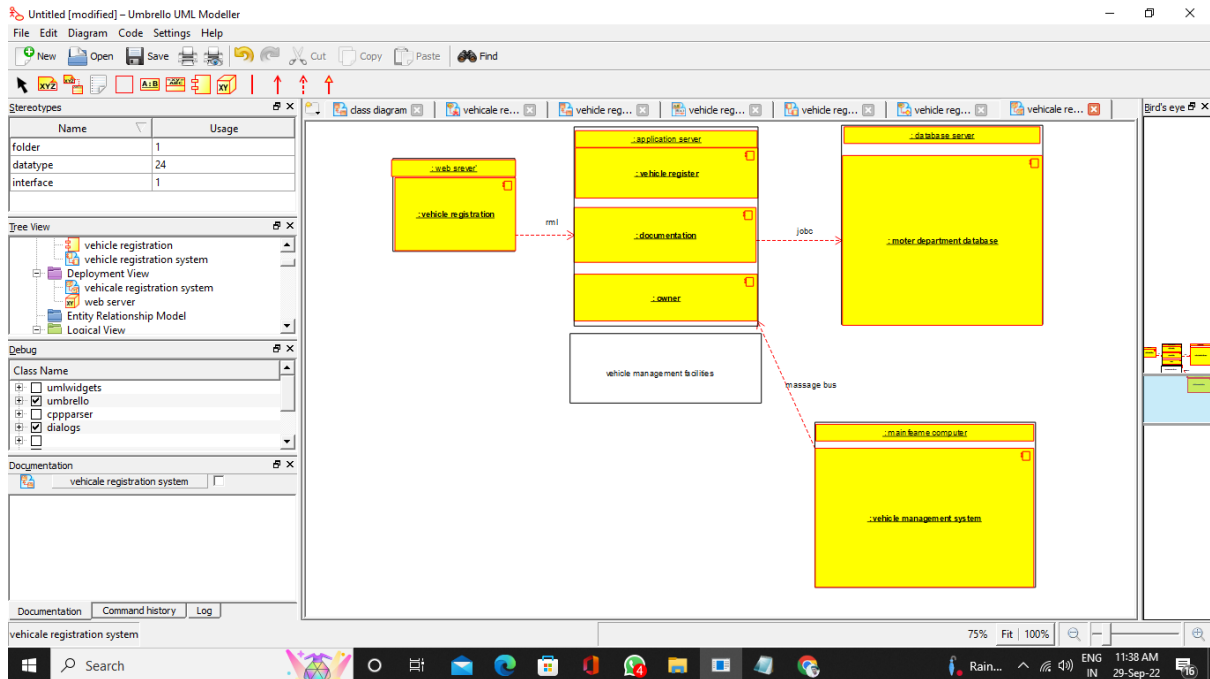
## 5) COLLABORATION DIAGRAM



## 6) COMPONENT DIAGRAM



## 7) DEPLOYMENT DIAGRAM



## PROGRAM CODE

```
/**
 * Class customer
 */
public class customer {

    //
    // Fields
    //

    public void cus_id_int;
    public void cus_name_string;
    public void cus_mobile_string;
    public void cus_email_string;
    public void cus_add_string;

    //
    // Constructors
    //
```

```

public customer () { };

//
// Methods
//

//
// Accessor methods
//

/**
 * Set the value of cus_id_int
 * @param newVar the new value of cus_id_int
 */
public void setCus_id_int (void newVar) {
    cus_id_int = newVar;
}

/**
 * Get the value of cus_id_int
 * @return the value of cus_id_int
 */
public void getCus_id_int () {
    return cus_id_int;
}

/**
 * Set the value of cus_name_string
 * @param newVar the new value of cus_name_string
 */
public void setCus_name_string (void newVar) {
    cus_name_string = newVar;
}

/**
 * Get the value of cus_name_string
 * @return the value of cus_name_string
 */
public void getCus_name_string () {

```

```

    return cus_name_string;
}

/**
 * Set the value of cus_mobile_string
 * @param newVar the new value of cus_mobile_string
 */
public void setCus_mobile_string (void newVar) {
    cus_mobile_string = newVar;
}

/**
 * Get the value of cus_mobile_string
 * @return the value of cus_mobile_string
 */
public void getCus_mobile_string () {
    return cus_mobile_string;
}

/**
 * Set the value of cus_email_string
 * @param newVar the new value of cus_email_string
 */
public void setCus_email_string (void newVar) {
    cus_email_string = newVar;
}

/**
 * Get the value of cus_email_string
 * @return the value of cus_email_string
 */
public void getCus_email_string () {
    return cus_email_string;
}

/**
 * Set the value of cus_add_string
 * @param newVar the new value of cus_add_string
 */
public void setCus_add_string (void newVar) {

```

```
cus_add_string = newVar;
}

/**
 * Get the value of cus_add_string
 * @return the value of cus_add_string
 */
public void getCus_add_string () {
    return cus_add_string;
}

//
// Other methods
//

/**
 */
public void add_customer()
{
}

/**
 */
public void edit_customer()
{
}

/**
 */
public void delete_customer()
{
}

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

```
}
```

```
}
```

```
/**
```

```
 * Class insurance
```

```
 */
```

```
public class insurance {
```

```
    //
```

```
    // Fields
```

```
    //
```

```
    public void insurance_id_string;
```

```
    public void ins__type_string;
```

```
    public void ins_des_string;
```

```
    public void ins_num_string;
```

```
    public void ins_growout_string;
```

```
    public void ins_plan_id_int;
```

```
    //
```

```
    // Constructors
```

```
    //
```

```
    public insurance () { };
```

```
    //
```

```
    // Methods
```

```
    //
```

```
    //
```

```
    // Accessor methods
```

```
    //
```

```
/**
```

```
 * Set the value of insurance_id_string
```

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



```

*/
public void setInsurance_id_string (void newVar) {
    insurance_id_string = newVar;
}

/**
 * Get the value of insurance_id_string
 * @return the value of insurance_id_string
 */
public void getInsurance_id_string () {
    return insurance_id_string;
}

/**
 * Set the value of ins__type_string
 * @param newVar the new value of ins__type_string
 */
public void setIns__type_string (void newVar) {
    ins__type_string = newVar;
}

/**
 * Get the value of ins__type_string
 * @return the value of ins__type_string
 */
public void getIns__type_string () {
    return ins__type_string;
}

/**
 * Set the value of ins_des_string
 * @param newVar the new value of ins_des_string
 */
public void setIns_des_string (void newVar) {
    ins_des_string = newVar;
}

/**
 * Get the value of ins_des_string
 * @return the value of ins_des_string

```

```

*/
public void getIns_des_string () {
    return ins_des_string;
}

/**
 * Set the value of ins_num_string
 * @param newVar the new value of ins_num_string
 */
public void setIns_num_string (void newVar) {
    ins_num_string = newVar;
}

/**
 * Get the value of ins_num_string
 * @return the value of ins_num_string
 */
public void getIns_num_string () {
    return ins_num_string;
}

/**
 * Set the value of ins_growout_string
 * @param newVar the new value of ins_growout_string
 */
public void setIns_growout_string (void newVar) {
    ins_growout_string = newVar;
}

/**
 * Get the value of ins_growout_string
 * @return the value of ins_growout_string
 */
public void getIns_growout_string () {
    return ins_growout_string;
}

/**
 * Set the value of ins_plan_id_int
 * @param newVar the new value of ins_plan_id_int

```

```
*/  
public void setIns_plan_id_int (void newVar) {  
    ins_plan_id_int = newVar;  
}
```

```
/**  
 * Get the value of ins_plan_id_int  
 * @return the value of ins_plan_id_int  
 */  
public void getIns_plan_id_int () {  
    return ins_plan_id_int;  
}
```

```
//  
// Other methods  
//
```

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

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

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

```
/**  
 */
```

```
public void search_insurance()  
{  
}  
  
}
```

```
/**  
 * Class permission  
 */  
public class permission {  
  
    //  
    // Fields  
    //  
  
    public void permission_id_int;  
    public void permission_role__id_int;  
    public void permission__title_string;  
    public void permission__module_string;  
    public void permission__des_string;  
  
    //  
    // Constructors  
    //  
    public permission () { };  
  
    //  
    // Methods  
    //  
  
    //  
    // Accessor methods  
    //  
  
    /**  
     * Set the value of permission_id_int
```

```

    * @param newVar the new value of permission_id_int
    */
    public void setPermission_id_int (void newVar) {
        permission_id_int = newVar;
    }

    /**
     * Get the value of permission_id_int
     * @return the value of permission_id_int
     */
    public void getPermission_id_int () {
        return permission_id_int;
    }

    /**
     * Set the value of permission_role__id_int
     * @param newVar the new value of permission_role__id_int
     */
    public void setPermission_role__id_int (void newVar) {
        permission_role__id_int = newVar;
    }

    /**
     * Get the value of permission_role__id_int
     * @return the value of permission_role__id_int
     */
    public void getPermission_role__id_int () {
        return permission_role__id_int;
    }

    /**
     * Set the value of permission__title_string
     * @param newVar the new value of permission__title_string
     */
    public void setPermission__title_string (void newVar) {
        permission__title_string = newVar;
    }

    /**
     * Get the value of permission__title_string

```

```

    * @return the value of permission__title_string
    */
    public void getPermission__title_string () {
        return permission__title_string;
    }

    /**
     * Set the value of permission__module_string
     * @param newVar the new value of permission__module_string
     */
    public void setPermission__module_string (void newVar) {
        permission__module_string = newVar;
    }

    /**
     * Get the value of permission__module_string
     * @return the value of permission__module_string
     */
    public void getPermission__module_string () {
        return permission__module_string;
    }

    /**
     * Set the value of permission__des_string
     * @param newVar the new value of permission__des_string
     */
    public void setPermission__des_string (void newVar) {
        permission__des_string = newVar;
    }

    /**
     * Get the value of permission__des_string
     * @return the value of permission__des_string
     */
    public void getPermission__des_string () {
        return permission__des_string;
    }

    //
    // Other methods

```

```
//

/**
 */
public void add_permission()
{
}

/**
 */
public void edit_permission()
{
}

/**
 */
public void delete_permission()
{
}

/**
 */
public void search_permission()
{
}

}

/**
 * Class registration
 */
public class registration {

//
// Fields
```

```

//

public void registration__id_int;
public void registration_name_string;
public void registration_type_string;
public void regis_das_string;
public void reg_date_date;

//
// Constructors
//
public registration () { };

//
// Methods
//

//
// Accessor methods
//

/**
 * Set the value of registration__id_int
 * @param newVar the new value of registration__id_int
 */
public void setRegistration__id_int (void newVar) {
    registration__id_int = newVar;
}

/**
 * Get the value of registration__id_int
 * @return the value of registration__id_int
 */
public void getRegistration__id_int () {
    return registration__id_int;
}

/**
 * Set the value of registration_name_string

```



```
* @param newVar the new value of registration_name_string
*/
public void setRegistration_name_string (void newVar) {
    registration_name_string = newVar;
}
```

```
/**
 * Get the value of registration_name_string
 * @return the value of registration_name_string
 */
public void getRegistration_name_string () {
    return registration_name_string;
}
```

```
/**
 * Set the value of regisrtration_type_string
 * @param newVar the new value of regisrtration_type_string
 */
public void setRegisrtration_type_string (void newVar) {
    regisrtration_type_string = newVar;
}
```

```
/**
 * Get the value of regisrtration_type_string
 * @return the value of regisrtration_type_string
 */
public void getRegisrtration_type_string () {
    return regisrtration_type_string;
}
```

```
/**
 * Set the value of regis_das_string
 * @param newVar the new value of regis_das_string
 */
public void setRegis_das_string (void newVar) {
    regis_das_string = newVar;
}
```

```
/**
 * Get the value of regis_das_string
```

```

    * @return the value of regis_das_string
    */
    public void getRegis_das_string () {
        return regis_das_string;
    }

    /**
     * Set the value of reg_date_date
     * @param newVar the new value of reg_date_date
     */
    public void setReg_date_date (void newVar) {
        reg_date_date = newVar;
    }

    /**
     * Get the value of reg_date_date
     * @return the value of reg_date_date
     */
    public void getReg_date_date () {
        return reg_date_date;
    }

    //
    // Other methods
    //

    /**
     */
    public void add_regtration()
    {
    }

    /**
     */
    public void edit_registration()
    {
    }

```

```

/**
 */
public void delete_registration()
{
}

/**
 */
public void search_registration()
{
}

}

```

```

/**
 * Class role
 */
public class role {

    //
    // Fields
    //

    public void role_id_int;
    public void role_title_string;
    public void role_class_string;

    //
    // Constructors
    //
    public role () { };

    //
    // Methods
    //

```

```

//
// Accessor methods
//

/**
 * Set the value of role_id_int
 * @param newVar the new value of role_id_int
 */
public void setRole_id_int (void newVar) {
    role_id_int = newVar;
}

/**
 * Get the value of role_id_int
 * @return the value of role_id_int
 */
public void getRole_id_int () {
    return role_id_int;
}

/**
 * Set the value of role_title_string
 * @param newVar the new value of role_title_string
 */
public void setRole_title_string (void newVar) {
    role_title_string = newVar;
}

/**
 * Get the value of role_title_string
 * @return the value of role_title_string
 */
public void getRole_title_string () {
    return role_title_string;
}

/**
 * Set the value of role_class_string
 * @param newVar the new value of role_class_string
 */

```

```

public void setRole_class_string (void newVar) {
    role_class_string = newVar;
}

/**
 * Get the value of role_class_string
 * @return the value of role_class_string
 */
public void getRole_class_string () {
    return role_class_string;
}

//
// Other methods
//

/**
 */
public void add_role()
{
}

/**
 */
public void edit_role()
{
}

/**
 */
public void delete_role()
{
}

}

```

```

/**
 * Class user
 */
public class user {

    //
    // Fields
    //

    public void user__id_int;
    public void user__role__id_int;
    public void user_name_string;
    public void user_email_string;
    public void user__add_string;

    //
    // Constructors
    //
    public user () { };

    //
    // Methods
    //

    //
    // Accessor methods
    //

    /**
     * Set the value of user__id_int
     * @param newVar the new value of user__id_int
     */
    public void setUser__id_int (void newVar) {
        user__id_int = newVar;
    }

    /**
     * Get the value of user__id_int

```

```

* @return the value of user__id_int
*/
public void getUser__id_int () {
    return user__id_int;
}

/**
* Set the value of user__role__id_int
* @param newVar the new value of user__role__id_int
*/
public void setUser__role__id_int (void newVar) {
    user__role__id_int = newVar;
}

/**
* Get the value of user__role__id_int
* @return the value of user__role__id_int
*/
public void getUser__role__id_int () {
    return user__role__id_int;
}

/**
* Set the value of user_name_string
* @param newVar the new value of user_name_string
*/
public void setUser_name_string (void newVar) {
    user_name_string = newVar;
}

/**
* Get the value of user_name_string
* @return the value of user_name_string
*/
public void getUser_name_string () {
    return user_name_string;
}

/**
* Set the value of user_email_string

```

```

    * @param newVar the new value of user_email_string
    */
    public void setUser_email_string (void newVar) {
        user_email_string = newVar;
    }

    /**
    * Get the value of user_email_string
    * @return the value of user_email_string
    */
    public void getUser_email_string () {
        return user_email_string;
    }

    /**
    * Set the value of user__add_string
    * @param newVar the new value of user__add_string
    */
    public void setUser__add_string (void newVar) {
        user__add_string = newVar;
    }

    /**
    * Get the value of user__add_string
    * @return the value of user__add_string
    */
    public void getUser__add_string () {
        return user__add_string;
    }

    //
    // Other methods
    //

    /**
    */
    public void add_user()
    {
    }

```



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

/**
 */
public void delete_user()
{
}

/**
 */
public void search_user()
{
}

}
```

```
/**
 * Class vehicle_type
 */
public class vehicle_type {

    //
    // Fields
    //

    public new_class vehicle__type__name_string;
    public void vehicle__type_int;
    public void vehicle__des_string;
    public void vehicle__cus_id_int;
```

```

//
// Constructors
//
public vehicle_type () { };

//
// Methods
//

//
// Accessor methods
//

/**
 * Set the value of vehicle__type__name_string
 * @param newVar the new value of vehicle__type__name_string
 */
public void setVehicle__type__name_string (new_class newVar) {
    vehicle__type__name_string = newVar;
}

/**
 * Get the value of vehicle__type__name_string
 * @return the value of vehicle__type__name_string
 */
public new_class getVehicle__type__name_string () {
    return vehicle__type__name_string;
}

/**
 * Set the value of vehicle__type_int
 * @param newVar the new value of vehicle__type_int
 */
public void setVehicle__type_int (void newVar) {
    vehicle__type_int = newVar;
}

/**
 * Get the value of vehicle__type_int

```

```

* @return the value of vehicle__type_int
*/
public void getVehicle__type_int () {
    return vehicle__type_int;
}

/**
* Set the value of vehicle__des_string
* @param newVar the new value of vehicle__des_string
*/
public void setVehicle__des_string (void newVar) {
    vehicle__des_string = newVar;
}

/**
* Get the value of vehicle__des_string
* @return the value of vehicle__des_string
*/
public void getVehicle__des_string () {
    return vehicle__des_string;
}

/**
* Set the value of vehicle__cus_id__int
* @param newVar the new value of vehicle__cus_id__int
*/
public void setVehicle__cus_id__int (void newVar) {
    vehicle__cus_id__int = newVar;
}

/**
* Get the value of vehicle__cus_id__int
* @return the value of vehicle__cus_id__int
*/
public void getVehicle__cus_id__int () {
    return vehicle__cus_id__int;
}

//
// Other methods

```

```
//

/**
 */
public void add_vehicle_type()
{
}

/**
 */
public void edit_vehicle_type()
{
}

/**
 */
public void delete_vehicle_type()
{
}

/**
 */
public void search_vehicle_type()
{
}

}
```