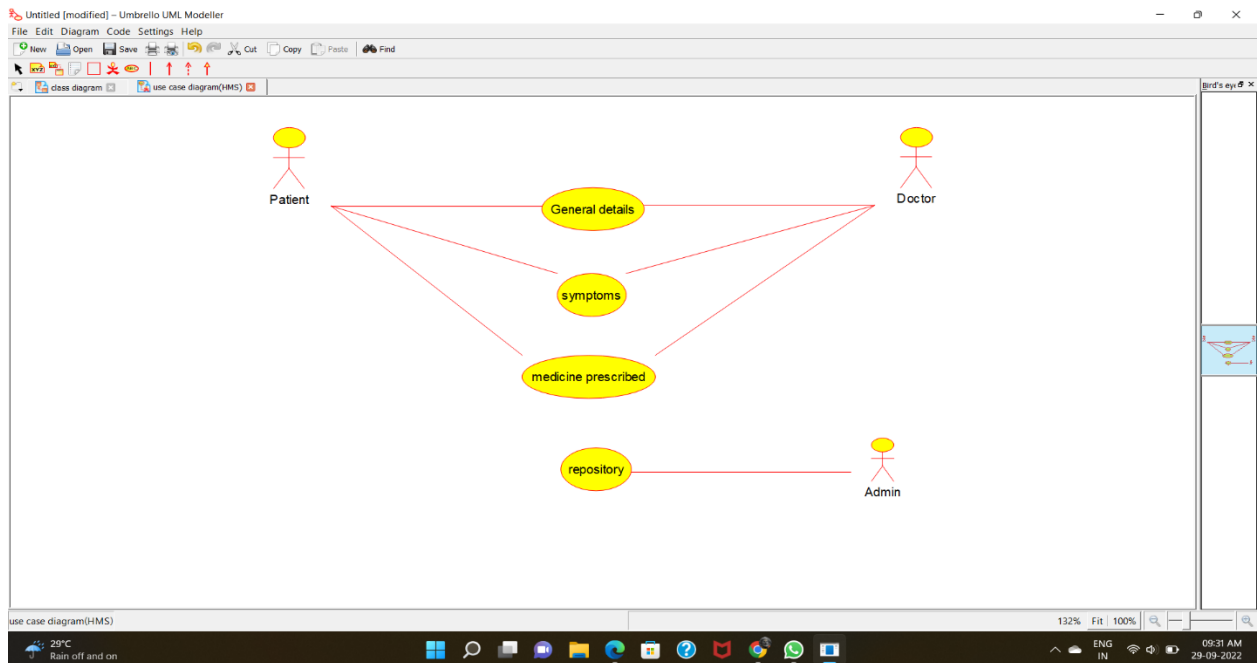
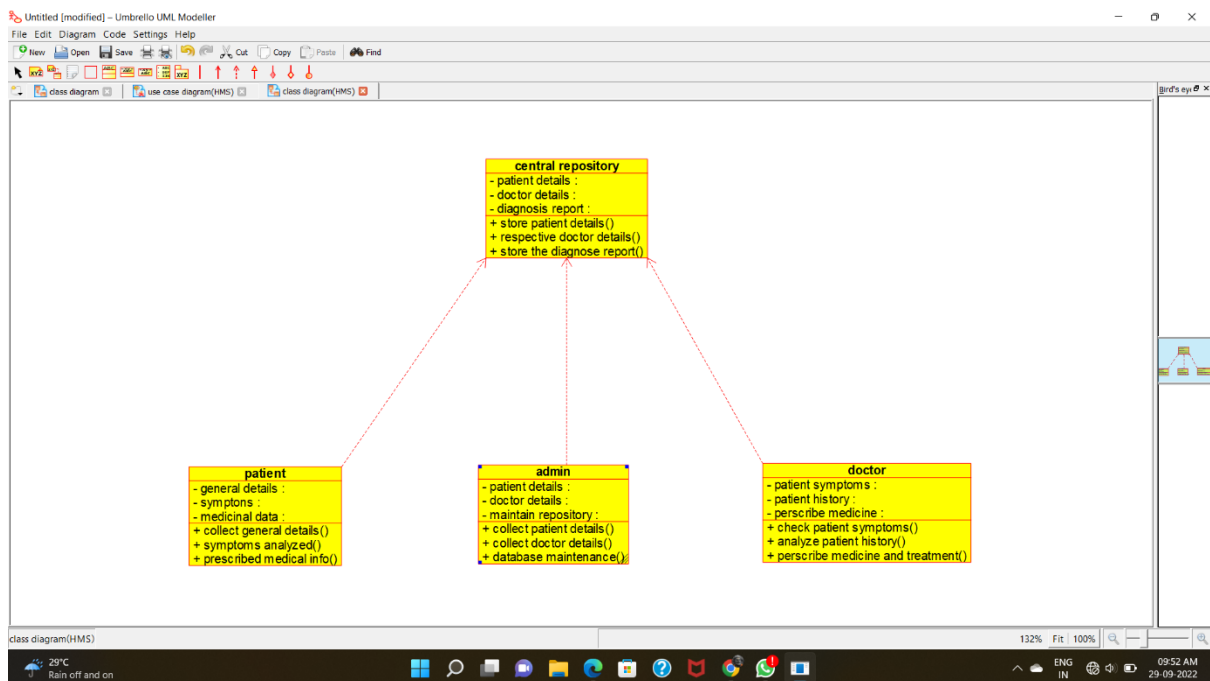


EX NO: 21 HOSPITAL MANAGEMENT SYSTEM

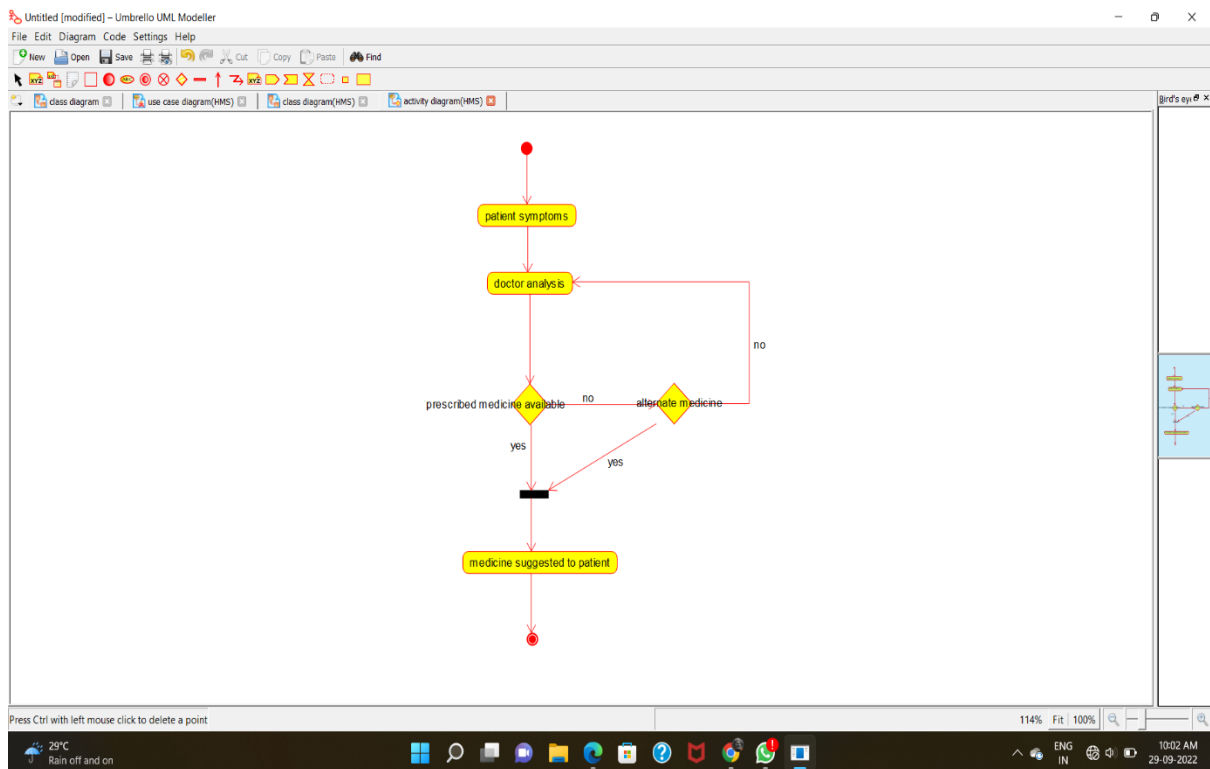
USECASE DIAGRAM:



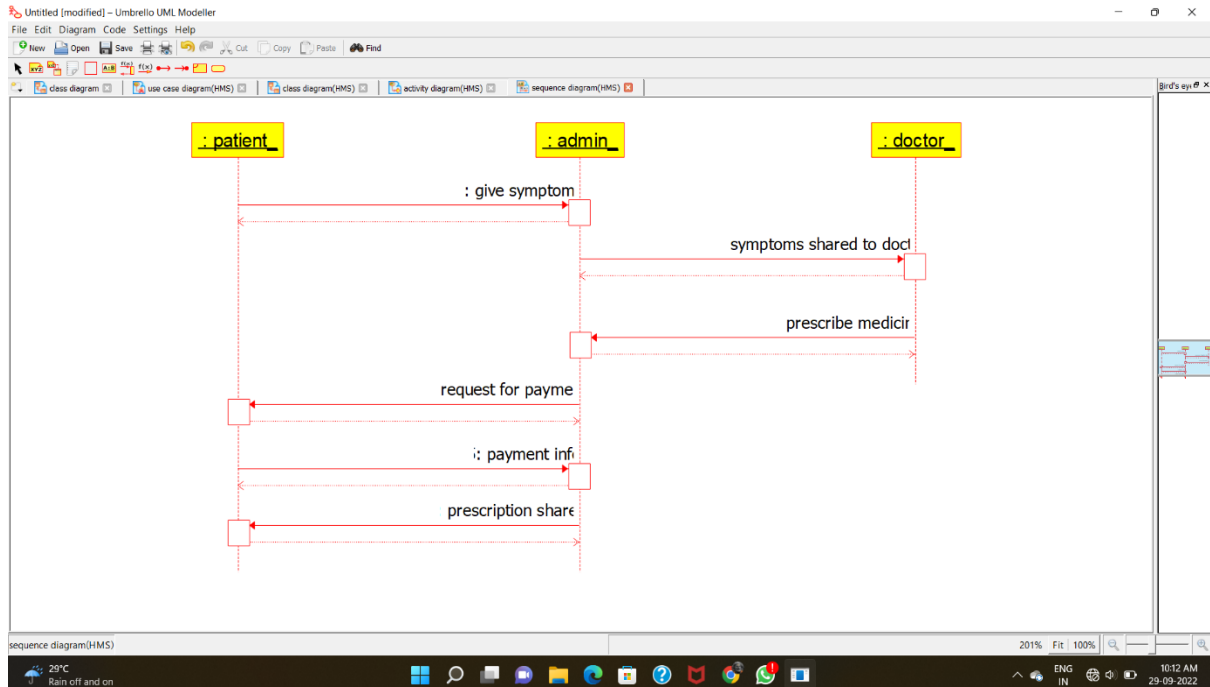
CLASS DIAGRAM:



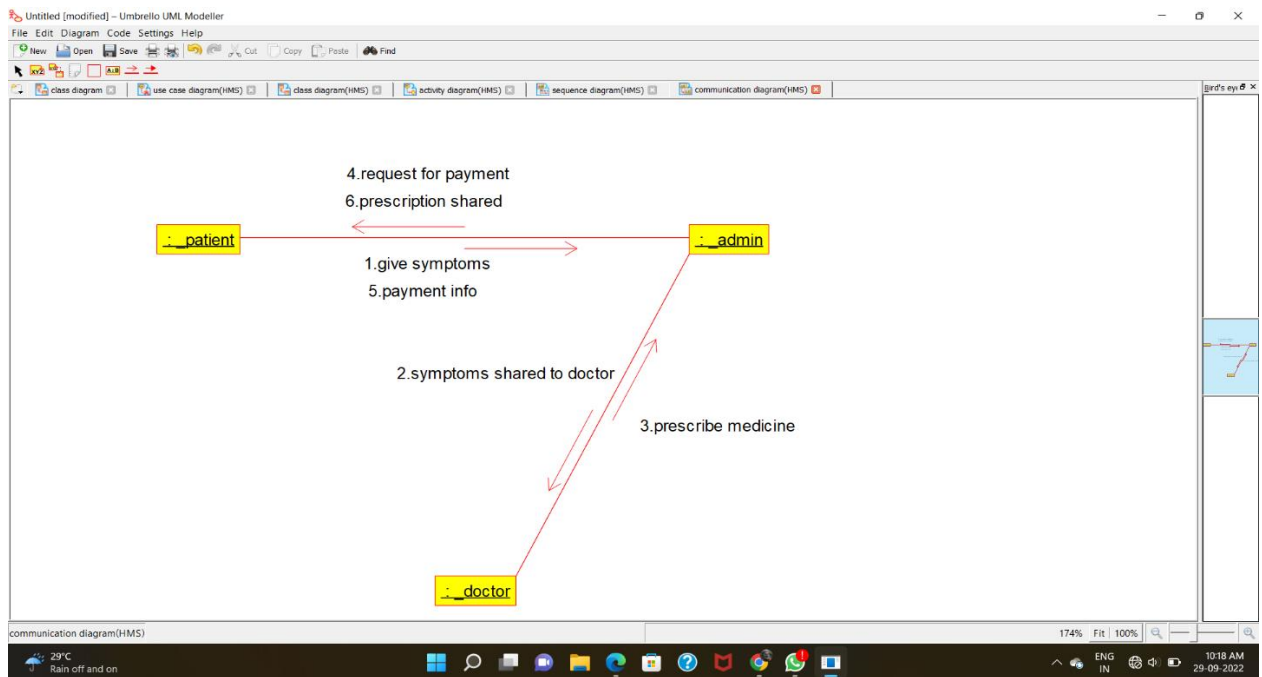
ACTIVITY DIAGRAM:



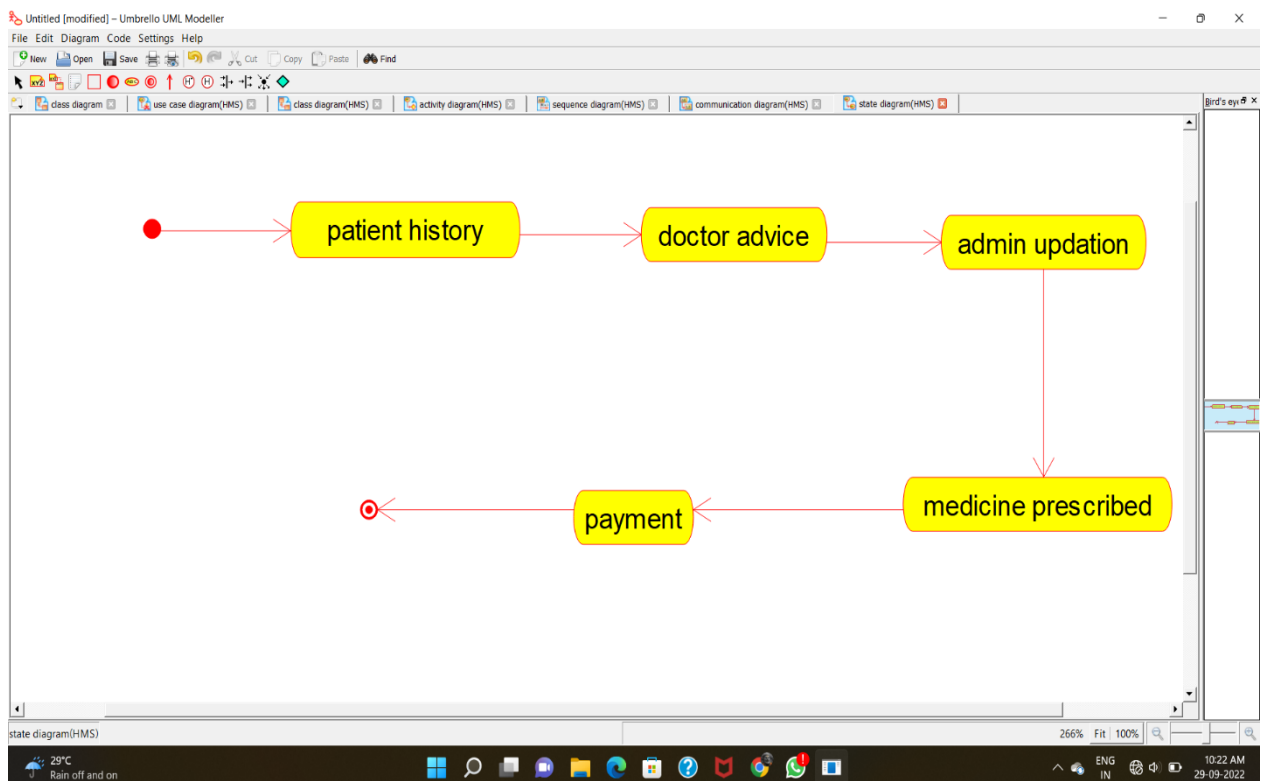
SEQUENCE DIAGRAM:



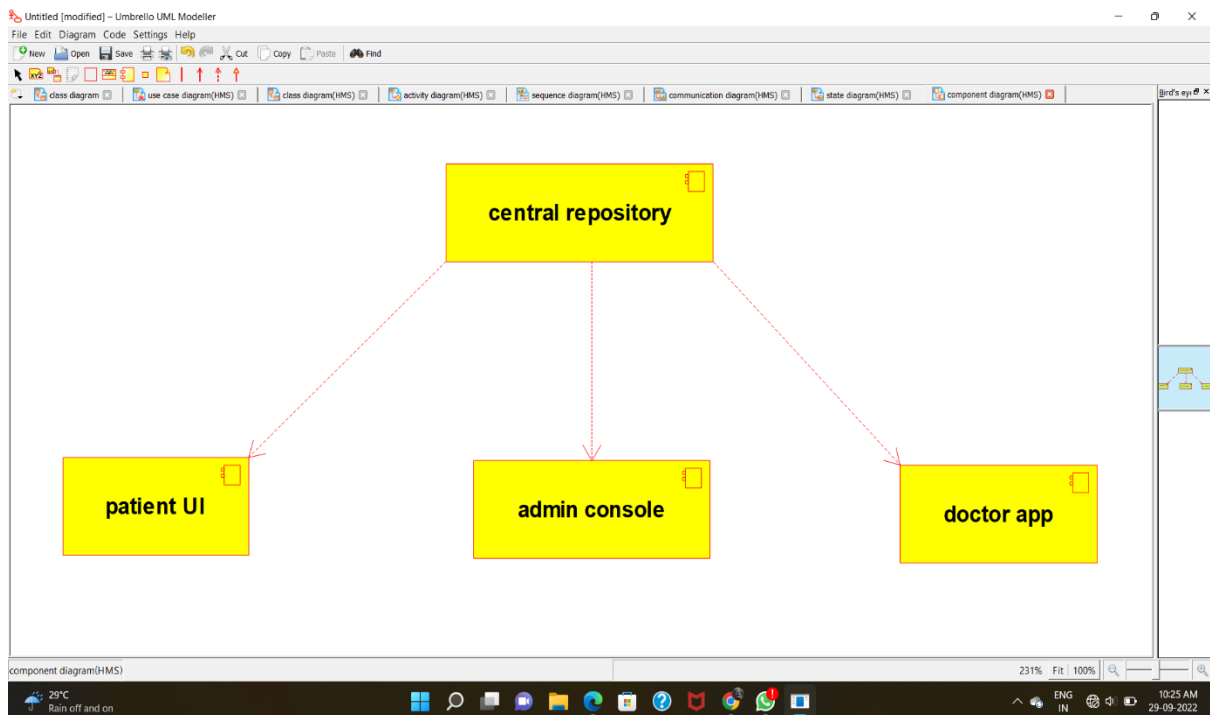
COLLABRATION DIAGRAM:



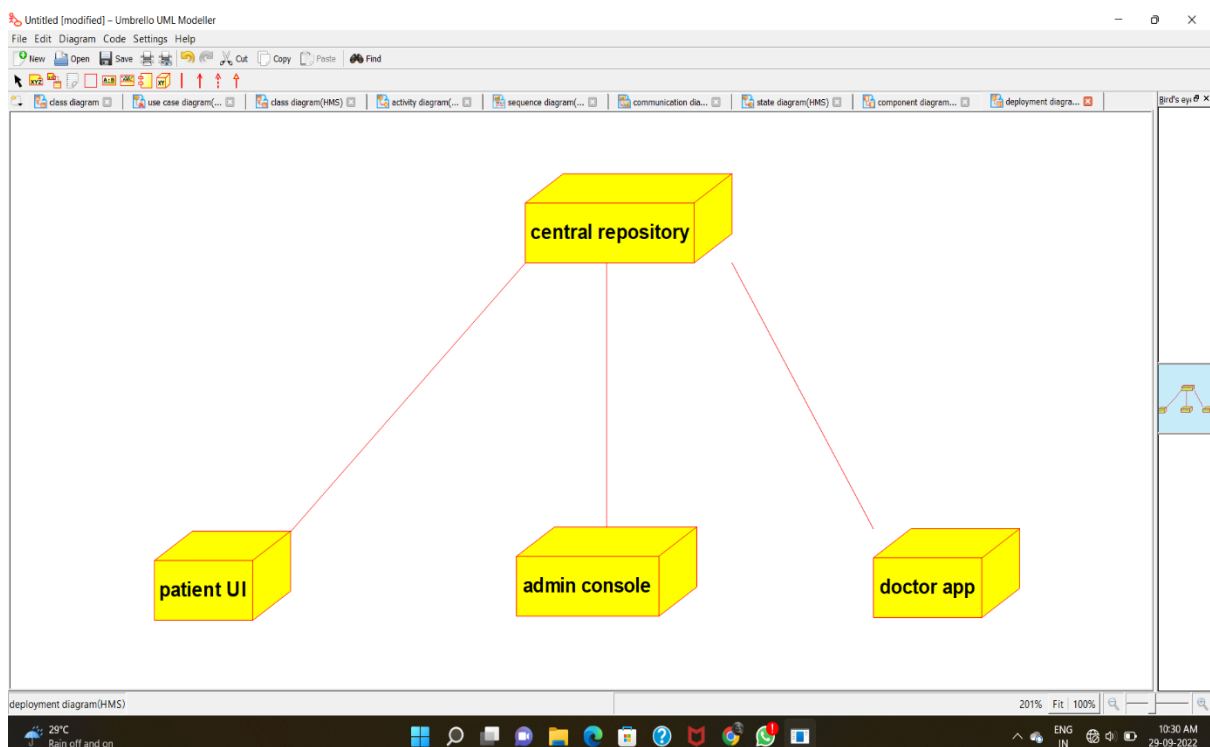
STATE-CHART DIAGRAM:



COMPONENT DIAGRAM:



DEPLOYMENT DIAGRAM:



PROGRAM CODE:

CENTRAL REPOSITORY:

```
/**
 * Class central_repository
 */
public class central_repository {
    //
    // Fields
    //
    private void patient_details;
    private void doctor_details;
    private void diagnosis_report;
    //
    // Constructors
    //
    public central_repository () { };
    //
    // Methods
    //
    //
    // Accessor methods
    //
    /**
     * Set the value of patient_details
     * @param newVar the new value of patient_details
     */
    private void setPatient_details (void newVar) {
        patient_details = newVar;
    }
    /**
     * Get the value of patient_details
     * @return the value of patient_details
     */
    private void getPatient_details () {
        return patient_details;
    }
    /**
     * Set the value of doctor_details
```

```

    * @param newVar the new value of doctor_details
    */

    private void setDoctor_details (void newVar) {

        doctor_details = newVar;

    }

    /**

    * Get the value of doctor_details

    * @return the value of doctor_details

    */

    private void getDoctor_details () {

        return doctor_details;

    }

    /**

    * Set the value of diagnosis_report

    * @param newVar the new value of diagnosis_report

    */

    private void setDiagnosis_report (void newVar) {

        diagnosis_report = newVar;

    }

    /**

    * Get the value of diagnosis_report

    * @return the value of diagnosis_report

    */

    private void getDiagnosis_report () {

        return diagnosis_report;

    }

    //

    // Other methods

    //

    /**

    */

    public void store_patient_details()

    {

    }

    /**

    */

    public void respective_doctor_details()

    {

    }

```

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

PATIENT:

```
/**
 * Class patient
 */
public class patient {
    //
    // Fields
    //
    private void general_details;
    private void symptons;
    private void medicinal_data;
    //
    // Constructors
    //
    public patient () { };
    //
    // Methods
    //
    //
    // Accessor methods
    //
    /**
     * Set the value of general_details
     * @param newVar the new value of general_details
     */
    private void setGeneral_details (void newVar) {
        general_details = newVar;
    }
    /**
     * Get the value of general_details
     * @return the value of general_details
     */
}
```

```

private void getGeneral_details () {
    return general_details;
}

/**
 * Set the value of symptons
 * @param newVar the new value of symptons
 */
private void setSymptoms (void newVar) {
    symptons = newVar;
}

/**
 * Get the value of symptons
 * @return the value of symptons
 */
private void getSymptoms () {
    return symptons;
}

/**
 * Set the value of medicinal_data
 * @param newVar the new value of medicinal_data
 */
private void setMedicinal_data (void newVar) {
    medicinal_data = newVar;
}

/**
 * Get the value of medicinal_data
 * @return the value of medicinal_data
 */
private void getMedicinal_data () {
    return medicinal_data;
}

//
// Other methods
//

/**
 */

public void collect_general_details()
{
}

```



```

/**
 *
 public void symptoms_analyzed()
 {
 }
 /**
 *
 public void prescribed_medical_info()
 {
 }
 }

```

ADMIN:

```

/**
 * Class admin
 */
public class admin {
    //
    // Fields
    //
    private void patient_details;
    private void doctor_details;
    private void maintain_repository;
    //
    // Constructors
    //
    public admin () { };
    //
    // Methods
    //
    //
    // Accessor methods
    //
    /**
     * Set the value of patient_details
     * @param newVar the new value of patient_details
     */
    private void setPatient_details (void newVar) {
        patient_details = newVar;
    }
}

```

```

}

/**
 * Get the value of patient_details
 * @return the value of patient_details
 */
private void getPatient_details () {
    return patient_details;
}

/**
 * Set the value of doctor_details
 * @param newVar the new value of doctor_details
 */
private void setDoctor_details (void newVar) {
    doctor_details = newVar;
}

/**
 * Get the value of doctor_details
 * @return the value of doctor_details
 */
private void getDoctor_details () {
    return doctor_details;
}

/**
 * Set the value of maintain_repository
 * @param newVar the new value of maintain_repository
 */
private void setMaintain_repository (void newVar) {
    maintain_repository = newVar;
}

/**
 * Get the value of maintain_repository
 * @return the value of maintain_repository
 */
private void getMaintain_repository () {
    return maintain_repository;
}

//
// Other methods
//

```

```
/**
 *
 public void collect_patient_details()
 {
 }
 /**
 *
 public void collect_doctor_details()
 {
 }
 /**
 *
 public void database_maintenance()
 {
 }
 }
```

DOCTOR:

```
/**
 * Class doctor
 */
public class doctor {
 //
 // Fields
 //
 private void patient_symptoms;
 private void patient_history;
 private void perscribe_medicine;
 //
 // Constructors
 //
 public doctor () { };
 //
 // Methods
 //
 //
 // Accessor methods
 //
 /**
```

```

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

private void setPatient_symptoms (void newVar) {
    patient_symptoms = newVar;
}

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

private void getPatient_symptoms () {
    return patient_symptoms;
}

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

private void setPatient_history (void newVar) {
    patient_history = newVar;
}

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

private void getPatient_history () {
    return patient_history;
}

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

private void setPerscribe_medicine (void newVar) {
    perscribe_medicine = newVar;
}

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

private void getPerscribe_medicine () {

```

```
    return perscribe_medicine;
}

//

// Other methods
//

/**
 */

public void check_patient_symptoms()
{
}

/**
 */

public void analyze_patient_history()
{
}

/**
 */

public void perscribe_medicine_and_treatment()
{
}
}
```