EX NO: 21   HOSPITAL MANAGEMENT SYSTEM
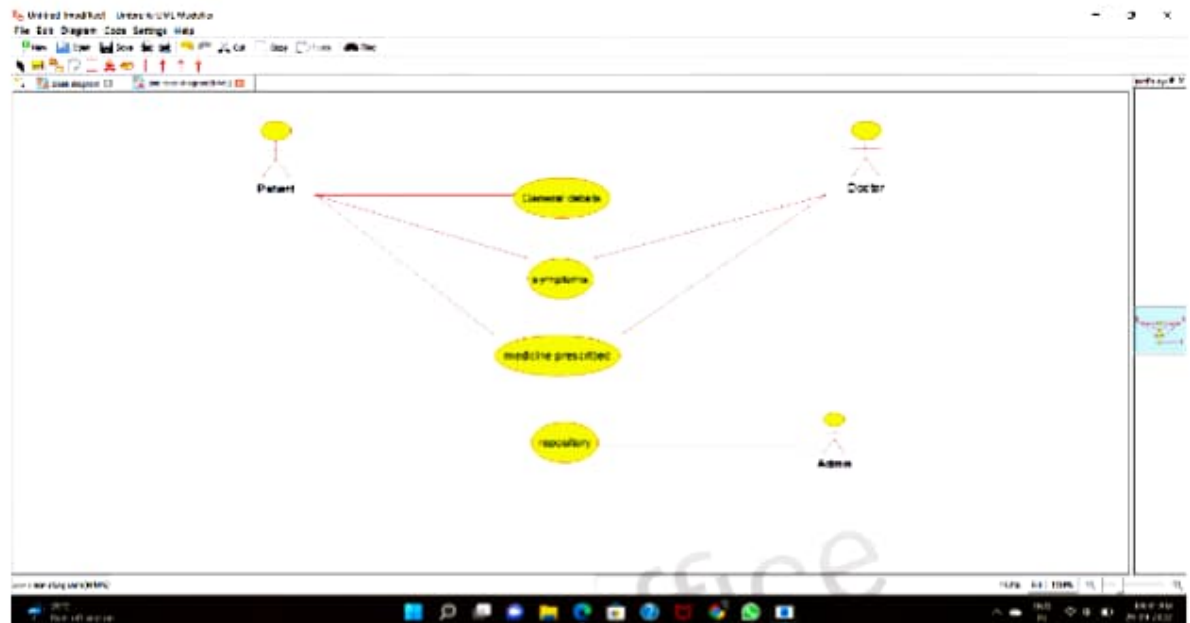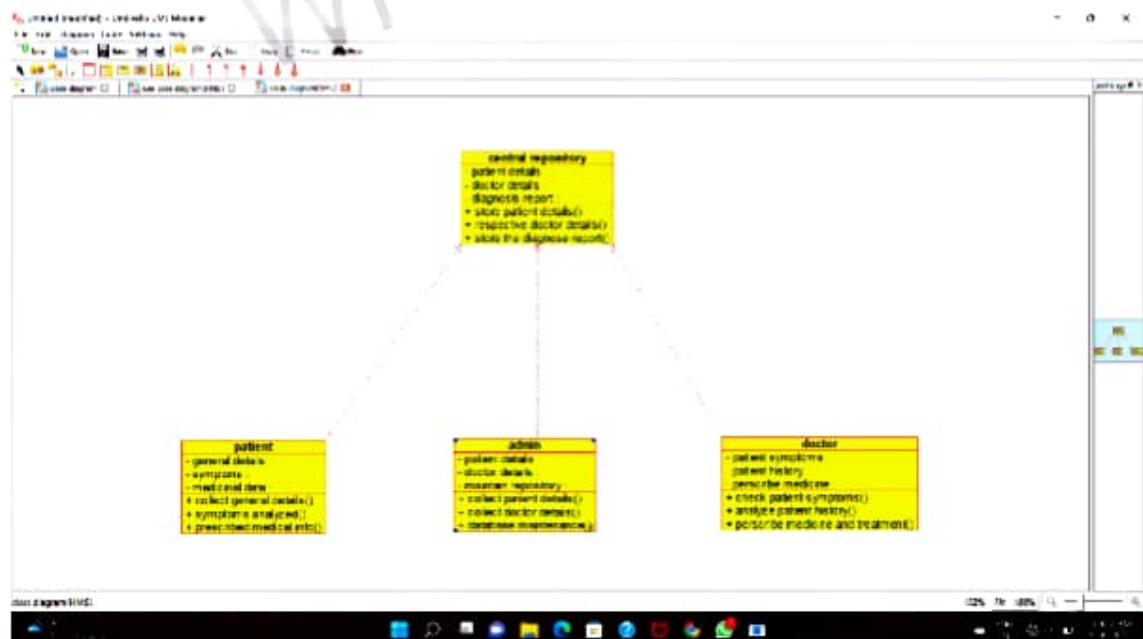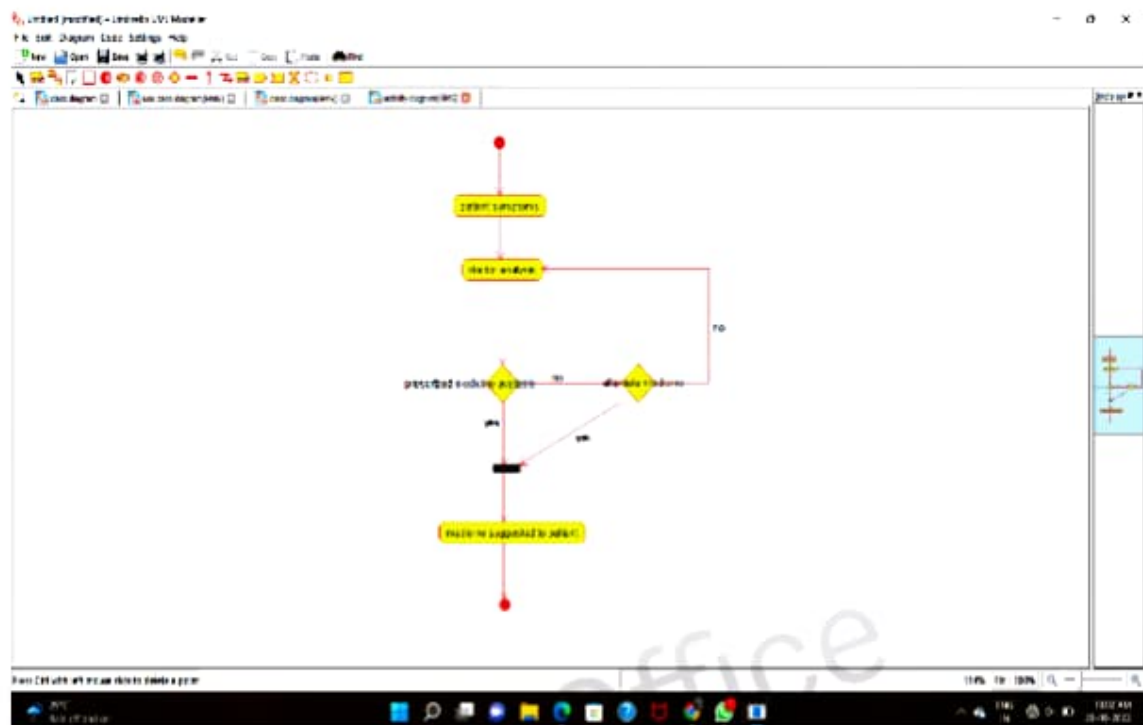
USECASE DIAGRAM:
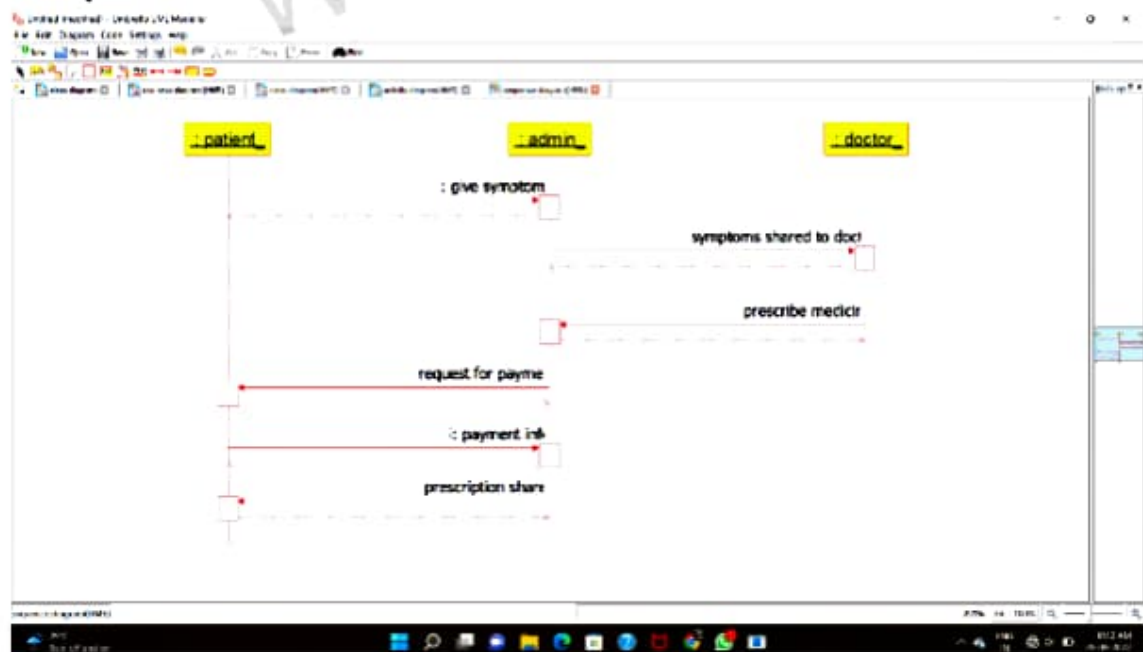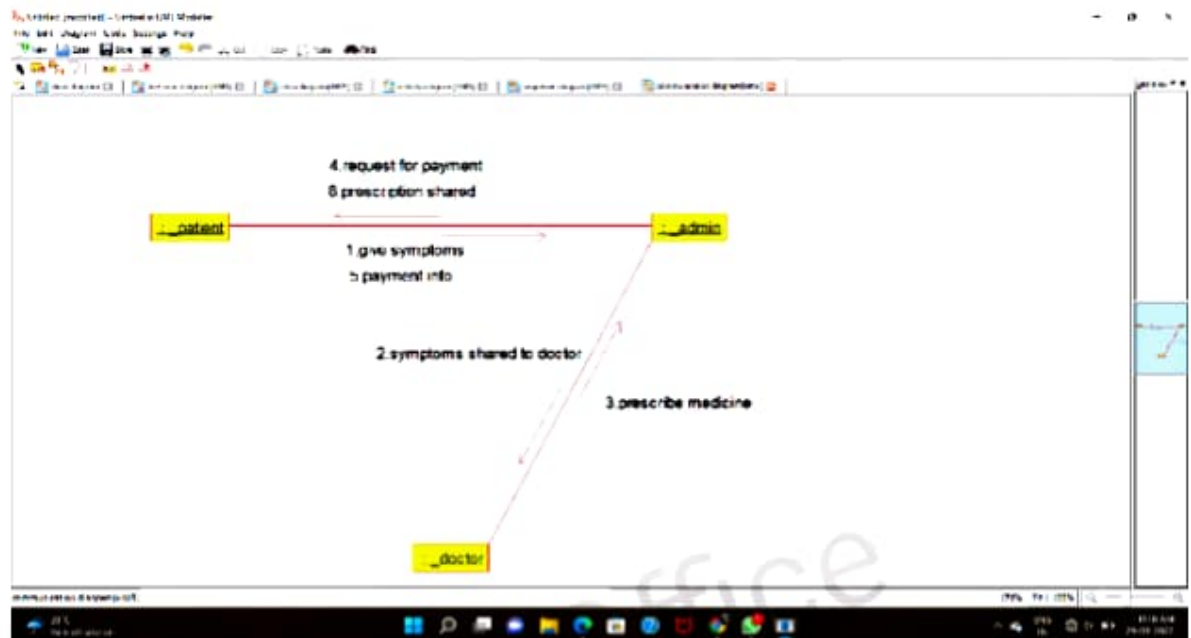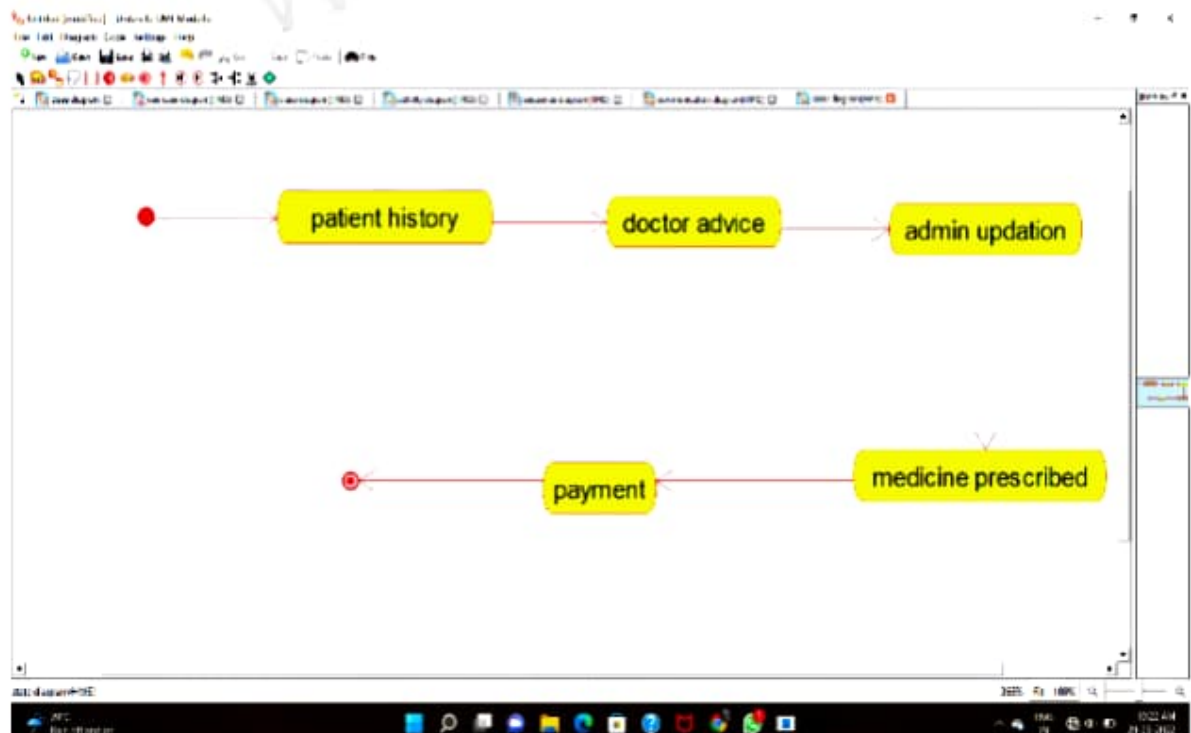

CLASS DIAGRAM:

ACTIVITY DIAGRAM:

SEQUENCE DIAGRAM:

COLLABRATION DIAGRAM:

STATE-CHART DIAGRAM:

COMPONENT DIAGRAM:
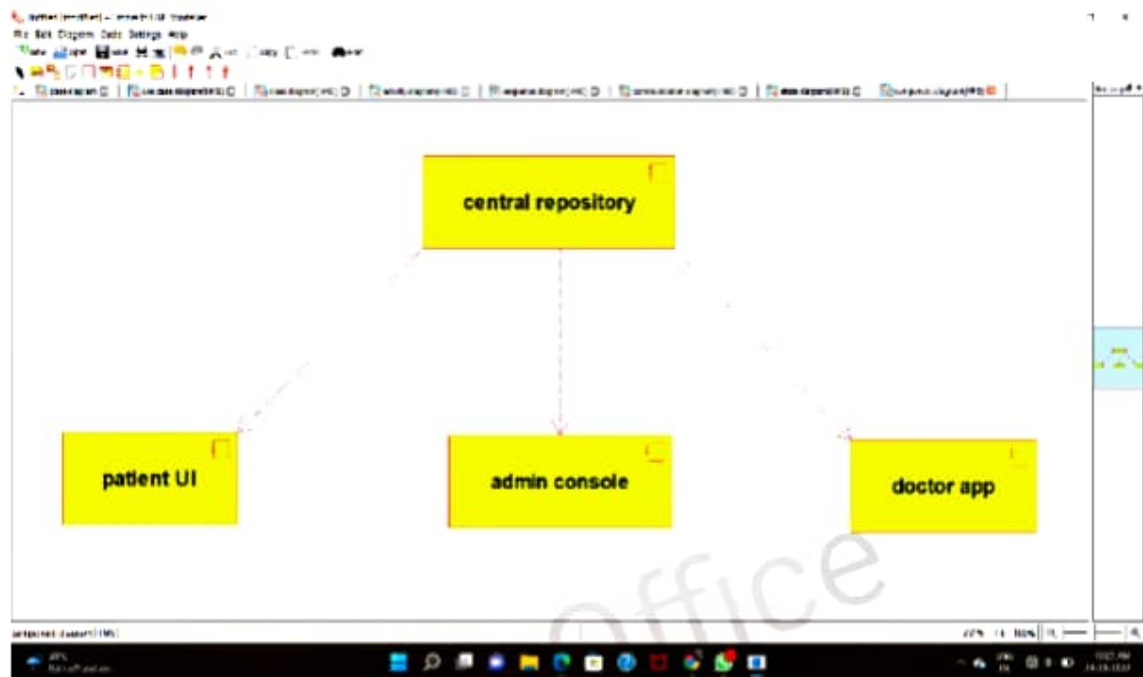
DEPLOYMENT DIAGRAM:
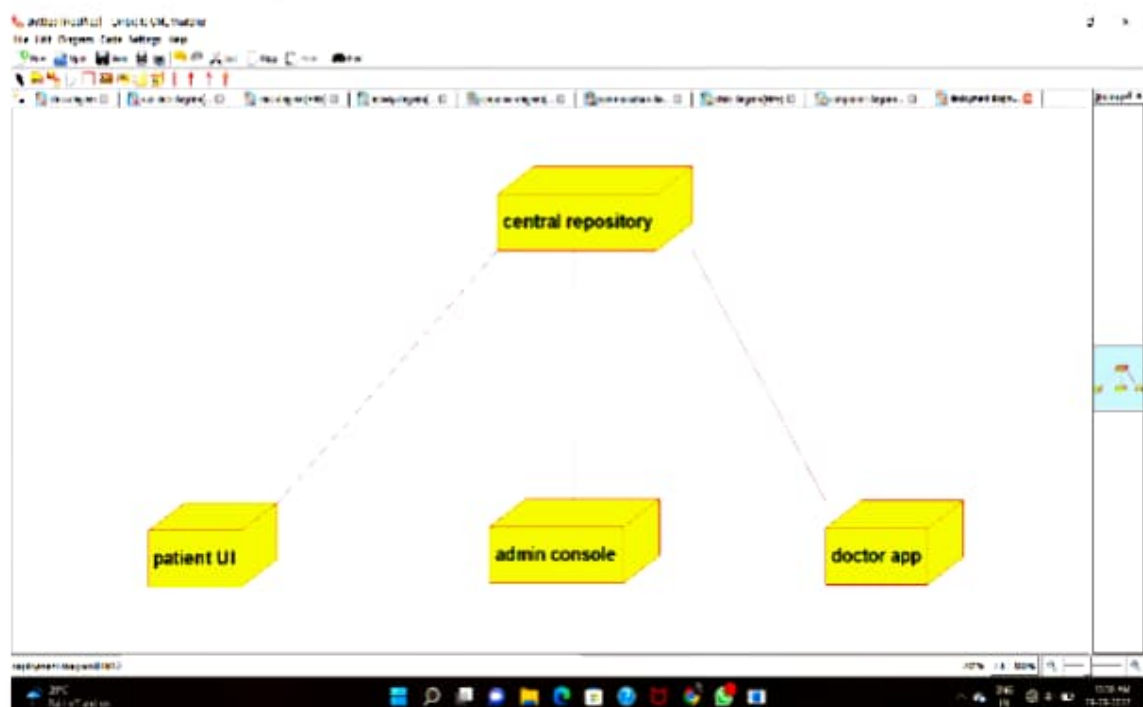
PROGRAM CODE:

CENTRAL REPOSITORY:

```java
/**
 * 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 () {
```

```java
  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()
{
}
/**
```

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

PATIENT:

```java
/**
 * 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 setSymptons (void newVar) {
  symptons = newVar;
}
/**
 * Get the value of symptons
 * @return the value of symptons
 */
private void getSymptons () {
  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
```

```java
 * @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
//
```

```java
//
// 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()
{
}
}
```