



**BHARATI VIDYAPEETH'S  
COLLEGE OF ENGINEERING FOR WOMEN**

KATRAJ-DHANKAWADI, PUNE-43.

**INFORMATION TECHNOLOGY DEPARTMENT**

**A PROJECT REPORT**

**ON**

**“Hospital Management System”**

Project Guided By

**Prof. A.V. Kanade**

Submitted By

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**Class: TE IT**

**Academic Year: 2022-23**

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**CERTIFICATE**

*This is to certify that the Project titled*

**“Hospital Management System”**

was prepared and presented by

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**Ms. Gargee Mardikar (Roll no. 3346)**

**Ms. Kirti Mhaske (Roll no. 3348)**

**Class: TE IT**

Under the guidance of

**Prof. A.V. Kanade**

Towards partial fulfillment of

TE IT course under

Savitribai Phule Pune University

(Year 2022-23)

**Prof. A. V. Kanade**

**Subject Teacher**

**Prof. Dr. D. A. Godse**

**HOD IT**

## **ACKNOWLEDGEMENT**

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We have great pleasure in offering our honorable I/C Principal **Prof. Dr. S. R. Patil** Last but not least, we would like to thanks all the direct and indirect help provided by the staff and our entire classmate for successful completion of this project.

**Date: 3/11/2022**

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**Ms. Gargee Mardikar (Roll no.3346)**

**Ms. Kirti Mhaske (Roll no.3348)**

**T.E (I.T)**

## **ABSTRACT**

Handling patient bills and appointment used to be a chaotic scene in hospitals and clinics. The best part of this software is that it has reduced the use of paper, keeping all important information in one place to access. With this management system the doctors could coordinate with other departments with great ease regarding medical health records. The software has helped in saving time as prescriptions, bills and other calculations are maintained digitally. This helps Doctors to concentrate on their core activities. The following report specifies the working of a hospital. It is a multi-specialized hospital management system. The project contains the details of patient, doctors, tests, available rooms, admitted and discharged patients, etc. The staff members can update the information stored in the database. The patient can check for the availability of the doctors in the hospital online.

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# **CHAPTER 1**

## **INTRODUCTION**

The following report specifies the working of a hospital. It is online/offline a multi-specialized hospital management system. The project contains the forms of patient details, doctor prescription and the billing form. The staff members can update the information stored in the database.

We have created different forms. Patient need to fill the form firstly to book appointment. Hospital staff can perform specific operations in the form. After the appointment patient can pay using payment options in the form. In this way the data is successfully managed by this system.

## **CHAPTER 2**

### **REQUIREMENT ANALYSIS**

#### **2.1: HARDWARE REQUIREMENTS:**

- Processor : 11th Gen Intel(R) Core(TM) i5-1135G7 @ 2.40GHz 2.42 GHz
- RAM : 16.0 GB (15.7 GB usable)
- Hard disk : 512 SSD

#### **2.2: SOFTWARE REQUIREMENTS:**

- Operating System : L i n u x
- Back end : MongoDB
- Front end : NetBeans

## CHAPTER 3

### SOURCE CODE

#### REGISTRATION FORM

##### Attributes:

Name

Patient\_id

Gender

Age

Height

Weight

Address

Symptoms

```
/*
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 license
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 template
 */
package hospitalmanagement2;

/**
 * @author kirti
 */
import com.mongodb.*;
//import com.mongodb.client.MongoCollection;
//import com.mongodb.client.MongoDatabase;
import com.mongodb.BasicDBObject;
import com.mongodb.DB;
import com.mongodb.DBCollection;
import com.mongodb.DBCursor;
import com.mongodb.DBObject;
import com.mongodb.MongoClient;
```



```

import com.mongodb.client.MongoCollection;
import com.mongodb.client.model.Filters;
import com.mongodb.client.model.Updates;
import java.lang.System.Logger;
import java.lang.System.Logger.Level;
import javax.swing.JOptionPane;
import org.bson.Document;

public class REGISTRATION extends javax.swing.JFrame {
/**
 * Creates new form REGISTRATION
 */
public REGISTRATION() {
    initComponents();
}

Submit:
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    MongoClient = null;
    try {
        mongoClient = new MongoClient( "localhost",27017);
        DB = mongoClient.getDB("Hospital");
        DBCollection coll = db.getCollection("Registration");
        System.out.println("Collection Created");
        BasicDBObject doc = new BasicDBObject("Name",
jTextField3.getText()).append("Patient_id",jTextField1.getText()).append("Height",jTextFiel
d4.getText()).append(" Age",jTextField2.getText()).append("Weight",j
if(jTextField1.getText().equals("")){
JOptionPane.showMessageDialog(this,"PLEASE ENTER Patient
ID","ERROR",JOptionPane.ERROR_MESSAGE);
}
coll.insert(doc);
JOptionPane.showMessageDialog(this,"Record Inserted in
Database","Msg",JOptionPane.ERROR_MESSAGE);
}
catch(Exception ex){
}
// TODO add your handling code here:

```

```
}
```

**Display:**

```
private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {  
    this.setVisible(false);  
    new PATIENTTABLE().setVisible(true);  
    // TODO add your handling code here:  
}
```

**Clear:**

```
private void jButton5ActionPerformed(java.awt.event.ActionEvent evt) {  
    jTextField3.setText("");  
    jTextField1.setText("");  
    jTextField4.setText("");  
    jTextField2.setText("");  
    jTextField5.setText("");  
    jTextArea1.setText("");
```

```
    jTextArea2.setText("");  
    jComboBox1.setSelectedItem(""); // TODO add your handling code here:  
}
```

**Delete:**

```
private void jButton8ActionPerformed(java.awt.event.ActionEvent evt) {  
    MongoClient = null;  
    mongoClient = new MongoClient( "localhost",27017);  
    DB = mongoClient.getDB("Hospital");  
    DBCollection coll = db.getCollection("Registration");  
    BasicDBObject document = new BasicDBObject();  
    document.put("Patient_id",jTextField1.getText());  
    coll.remove(document);  
    System.out.println("Document deleted successfully..."); // TODO add your handling code  
    here:  
}
```

**Update:**

```
private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {  
    MongoClient = null;  
    mongoClient = new MongoClient( "localhost",27017);
```

```

DB = mongoClient.getDB("Hospital");
DBCollection coll = db.getCollection("Registration");
BasicDBObject queryObj = new BasicDBObject();
queryObj.put("Patient_id",jTextField1.getText());
queryObj.put("Name",jTextField3.getText());
BasicDBObject newObj = new BasicDBObject();
newObj.put("Patient_id",jTextField1.getText());
newObj.put("Name",jTextField3.getText());
newObj.put("Height",jTextField4.getText());
newObj.put("Age",jTextField2.getText());
newObj.put("Weight",jTextField5.getText());
newObj.put("Address",jTextArea1.getText());
newObj.put("Symptoms",jTextArea2.getText());
newObj.put("Gender",jComboBox1.getSelectedItem());
// updating data into collection
coll.update(queryObj, newObj); // TODO add your handling code here:

}

```

#### **Patient\_info page:**

```

private void jButton6ActionPerformed(java.awt.event.ActionEvent evt) {
this.setVisible(false);
new PATIENTINFO().setVisible(true); // TODO add your handling code here:
}

```

#### **Doctor\_info page:**

```

private void jButton10ActionPerformed(java.awt.event.ActionEvent evt) {
this.setVisible(false);
new DOCTORINFO().setVisible(true); // TODO add your handling code here:
}

```

#### **Search by Patient\_id:**

```

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
MongoClient = null;
mongoClient = new MongoClient( "localhost",27017);
DB = mongoClient.getDB("Hospital");
DBCollection coll = db.getCollection("Registration");
BasicDBObject search = new BasicDBObject();

```

```

search.put("Patient_id",jTextField1.getText());
DBCursor cursor = coll.find(search);
if(cursor.hasNext())
{
DBObject search1=cursor.next();
jTextField3.setText((String)search1.get("Name"));
jTextField1.setText((String)search1.get("Patient_id"));
jTextField4.setText((String)search1.get("Height"));
jTextField2.setText((String)search1.get( "Age"));
jTextField5.setText((String)search1.get("Weight"));
jTextArea1.setText((String)search1.get("Address"));
jTextArea2.setText((String)search1.get("Symptoms"));
jComboBox1.setSelectedItem((String)search1.get("Gender"));
}
else
{
JOptionPane.showMessageDialog(this,"NOT FOUND..INVALID!!");
} // TODO add your handling code here:
}

```

#### **Billing Page:**

```

private void jButton9ActionPerformed(java.awt.event.ActionEvent evt) {
this.setVisible(false);
new BILL().setVisible(true); // TODO add your handling code here:
}

```

#### **Exit:**

```

private void jButton7ActionPerformed(java.awt.event.ActionEvent evt) {
System.exit(0); // TODO add your handling code here:
}

```

#### **PATIENT TABLE:**

/\*

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\* Click nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JFrame.java to edit this template

\*/

```
package hospitalmanagement2;
import com.mongodb.DB;
import com.mongodb.DBCollection;
import com.mongodb.DBCursor;
import com.mongodb.DBObject;
import com.mongodb.MongoClient;
import javax.swing.table.DefaultTableModel;
import org.bson.types.ObjectId;
```

/\*\*

\*

\* @author kirti

\*/

```
public class PATIENTTABLE extends javax.swing.JFrame {
```

/\*\*

\* Creates new form PATIENTTABLE

\*/

```
public PATIENTTABLE() {
    initComponents();
}
```

**All Patients Button:**

```
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
```

```
    MongoClient = null;
```

```
    DBCursor cursor = null;
```

```
    try
```

```
    { mongoClient = new MongoClient( "localhost" , 27017 );
```

```
    DB = mongoClient.getDB( "Hospital" );
```

```
    DBCollection coll = db.getCollection("Registration");
```

```
    cursor = coll.find();
```

```
    String[] columnNames = { "Patient_id","Name","Gender", "Age", "Height", "Weight",
    "Address", "Symptoms"};
```

```
    DefaultTableModel model=new DefaultTableModel(columnNames, 0);
```

```
    while(cursor.hasNext()) {
```

```
        DBObject obj = cursor.next();
```

**13**|P age

```

String name = (String)obj.get("Name");
String pid = (String)obj.get("Patient_id");
String gen = (String)obj.get("Gender");
String age = (String)obj.get("Age");
String height=(String)obj.get("Height");
String weight=(String)obj.get("Weight");
String address=(String)obj.get("Address");
String symptoms=(String)obj.get("Symptoms");
// DefaultTableModel model =(DefaultTableModel) jTable1.getModel();
ObjectId id = (ObjectId)obj.get("_id");
model.addRow(new Object[] { name, pid, gen, age, height, weight, address, symptoms });
}
jTable1.setModel(model);
cursor.close();
mongoClient.close();
}
catch(Exception ex){
} // TODO add your handling code here:

}

```

#### **Back:**

```

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
this.setVisible(false);
new REGISTRATION().setVisible(true); // TODO add your handling code here:
}

```

#### **PATIENT\_INFO:**

##### **Attributes:**

Date

Patient\_id

Doctor\_Assigned

Doctor\_id

Diagnosis

Medicine\_Prescribed

Precautions/Advice

```

/*
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 template
 */
package hospitalmanagement2;

/**
 *
 * @author kirti
 */
import com.mongodb.*;
//import com.mongodb.client.MongoCollection;
//import com.mongodb.client.MongoDatabase;
import com.mongodb.BasicDBObject;
import com.mongodb.DB;
import com.mongodb.DBCollection;
import com.mongodb.DBCursor;
import com.mongodb.DBObject;
import com.mongodb.MongoClient;
import com.mongodb.client.MongoCollection;
import com.mongodb.client.model.Filters;
import com.mongodb.client.model.Updates;
import java.lang.System.Logger;
import java.lang.System.Logger.Level;
import javax.swing.JOptionPane;
import org.bson.Document;
public class PATIENTINFO extends javax.swing.JFrame {
/**
 * Creates new form PATIENTINFO
 */
public PATIENTINFO() {
 initComponents();
}
Submit:
private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {

```

```

MongoClient = null;
try {
mongoClient = new MongoClient( "localhost",27017);
DB = mongoClient.getDB("Hospital");
DBCollection coll = db.getCollection("Patient_info");
System.out.println("Collection Created");
BasicDBObject doc = new BasicDBObject("Date",
jTextField3.getText()).append("Patient_id",jTextField1.getText()).append("Doctor
Assigned",jTextField2.getText()).append("Doctor_id",jTextField4.getText()).append("Diagno
sis",jTextArea1.getText()).append("Medicines
Prescribed",jTextArea2.getText()).append("Precautions/Advice",jTextArea3.getText());
if(jTextField1.getText().equals("")){
JOptionPane.showMessageDialog(this,"PLEASE ENTER Patient
ID","ERROR",JOptionPane.ERROR_MESSAGE);
}
coll.insert(doc);
JOptionPane.showMessageDialog(this,"Record Inserted in
Database","Msg",JOptionPane.ERROR_MESSAGE);
}
catch(Exception ex){
}
// TODO add your handling code here:
}

```

### **Display:**

```

private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {
this.setVisible(false);
new PATIENTTABLE1().setVisible(true); // TODO add your handling code here:
}
/**
 * @param args the command line arguments
 */
public static void main(String args[]) {

/* Set the Nimbus look and feel */
//<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">
/* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.

```



```

* For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
*/

try {
for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
if ("Nimbus".equals(info.getName())) {
javax.swing.UIManager.setLookAndFeel(info.getClassName());
break;
}
}
} catch (ClassNotFoundException ex) {
java.util.logging.Logger.getLogger(PATIENTINFO.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
} catch (InstantiationException ex) {
java.util.logging.Logger.getLogger(PATIENTINFO.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
} catch (IllegalAccessException ex) {
java.util.logging.Logger.getLogger(PATIENTINFO.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
} catch (javax.swing.UnsupportedLookAndFeelException ex) {
java.util.logging.Logger.getLogger(PATIENTINFO.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
}
}
//</editor-fold>

/* Create and display the form */
java.awt.EventQueue.invokeLater(new Runnable() {
public void run() {
new PATIENTINFO().setVisible(true);
}
});
}

Back:
private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
this.setVisible(false);
new REGISTRATION().setVisible(true); // TODO add your handling code here:
}

```

## **PATIENT TABLE1:**

```
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 */

package hospitalmanagement2;
import com.mongodb.DB;
import com.mongodb.DBCollection;
import com.mongodb.DBCursor;
import com.mongodbDBObject;
import com.mongodb.MongoClient;
import javax.swing.table.DefaultTableModel;
import org.bson.types.ObjectId;
/**
 *
 * @author kirti
 */
public class PATIENTTABLE1 extends javax.swing.JFrame {
/**
 * Creates new form PATIENTTABLE1
 */
public PATIENTTABLE1() {
 initComponents();
}
All Patients Button:
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
MongoClient = null;
DBCursor cursor = null;
try
{ mongoClient = new MongoClient( "localhost" , 27017 );
DB = mongoClient.getDB( "Hospital" );
DBCollection coll = db.getCollection("Patient_info");
cursor = coll.find();
```

```

String[] columnNames = {"Date","Patient_id","Doctor_Assigned","Doctor_id", "Diagnosis",
"Medicine_Prescribed", "Precautions/Advice"};
DefaultTableModel model=new DefaultTableModel(columnNames, 0);
while(cursor.hasNext()) {
DBObject obj = cursor.next();
String date = (String)obj.get("Daye");
String pid= (String)obj.get("Patient_id");
String doc_assi= (String)obj.get("Doctor_Assigned");

String doc_id = (String)obj.get("Doctor_id");
String diagnosis = (String)obj.get("Diagnosis");
String medicine_prescribed=(String)obj.get("Medicine_prescribed");
String precautions_advice=(String)obj.get("Precautions/Advice");
// DefaultTableModel model =(DefaultTableModel) jTable1.getModel();
ObjectId id = (ObjectId)obj.get("_id");
model.addRow(new Object[] { date, pid, doc_assi, doc_id, diagnosis, medicine_prescribed,
precautions_advice});
}
jTable1.setModel(model);
cursor.close();
mongoClient.close();
}
catch(Exception ex){
} // TODO add your handling code here:
}

```

### **Back:**

```

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
this.setVisible(false);
new PATIENTINFO().setVisible(true); // TODO add your handling code here:
}

```

## **DOCTOR INFO:**

### **Attributes:**

Doctor\_id

Doctor\_name

Designation

Experience

Joining\_date

Department

```
/*
```

```
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license
```

```
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template
```

```
*/
```

```
package hospitalmanagement2;  
import com.mongodb.BasicDBObject;  
import com.mongodb.DB;  
import com.mongodb.DBCollection;  
import com.mongodb.MongoClient;  
import javax.swing.JOptionPane;
```

```
/**
```

```
*
```

```
* @author kirti
```

```
*/
```

```
public class DOCTORINFO extends javax.swing.JFrame {
```

```
/**
```

```
* Creates new form DOCTORINFO
```

```
*/
```

```
public DOCTORINFO() {  
    initComponents();  
}
```

**Submit:**

```
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
```

```
    MongoClient = null;
```

```
    try {
```

```
        mongoClient = new MongoClient( "localhost",27017);
```

```
        DB = mongoClient.getDB("Hospital");
```

```
        DBCollection coll = db.getCollection("Doctor_info");
```

```
        System.out.println("Collection Created");
```

```

BasicDBObject doc = new BasicDBObject("Doctor_id",
jTextField1.getText()).append("Doctor_Name",jTextField2.getText()).append("Designation",j
TextField3.getText()).append("Experience",jTextField4.getText()).ap
if(jTextField1.getText().equals("")){
JOptionPane.showMessageDialog(this,"PLEASE ENTER Patient
ID","ERROR",JOptionPane.ERROR_MESSAGE);
}
coll.insert(doc);
JOptionPane.showMessageDialog(this,"Record Inserted in
Database","Msg",JOptionPane.ERROR_MESSAGE);
}
catch(Exception ex){
} // TODO add your handling code here:
}

```

### **Display:**

```

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
this.setVisible(false);
new DOCTORTABLE().setVisible(true); // TODO add your handling code here:
}
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
MongoClient = null;
try {
mongoClient = new MongoClient( "localhost",27017);
DB = mongoClient.getDB("Hospital");
DBCollection coll = db.getCollection("Doctor_info");
System.out.println("Collection Created");

```

```

BasicDBObject doc = new BasicDBObject("Doctor_id",
jTextField1.getText()).append("Doctor_Name",jTextField2.getText()).append("Designation",j
TextField3.getText()).append("Experience",jTextField4.getText()).ap
if(jTextField1.getText().equals("")){
JOptionPane.showMessageDialog(this,"PLEASE ENTER Patient
ID","ERROR",JOptionPane.ERROR_MESSAGE);
}
coll.insert(doc);
JOptionPane.showMessageDialog(this,"Record Inserted in

```

```

Database","Msg",JOptionPane.ERROR_MESSAGE);
}
catch(Exception ex){
} // TODO add your handling code here:
}

```

### **Back:**

```

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
this.setVisible(false);
new REGISTRATION().setVisible(true); // TODO add your handling code here:
}

```

### **DOCTORTABLE:**

```

/*
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license
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template
*/
package hospitalmanagement2;
import com.mongodb.DB;
import com.mongodb.DBCollection;
import com.mongodb.DBCursor;
import com.mongodbDBObject;
import com.mongodb.MongoClient;
import javax.swing.table.DefaultTableModel;
import org.bson.types.ObjectId;
/**
*
* @author kirti
*/
public class DOCTORTABLE extends javax.swing.JFrame {
/**
* Creates new form DOCTORTABLE
*/

```

```

public DOCTORTABLE() {
    initComponents();
}

All Doctors:

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    MongoClient = null;
    DBCursor cursor = null;
    try
    { mongoClient = new MongoClient( "localhost" , 27017 );
      DB = mongoClient.getDB( "Hospital" );
      DBCollection coll = db.getCollection("Doctor_info");
      cursor = coll.find();
      String[] columnNames = {"Doctor_id","Doctor_name","Designation","Experience",
        "Joining_Date", "Department"};
      DefaultTableModel model=new DefaultTableModel(columnNames, 0);
      while(cursor.hasNext()) {
        DBObject obj = cursor.next();
        String did = (String)obj.get("Doctor_id");
        String dname= (String)obj.get("Doctor_Name");
        String designation= (String)obj.get("Designation");
        String experience= (String)obj.get("Experience");
        String joining_date= (String)obj.get("Joining_Date");
        String department=(String)obj.get("Department");
        // DefaultTableModel model =(DefaultTableModel) jTable1.getModel();
        ObjectId id = (ObjectId)obj.get("_id");
        model.addRow(new Object[] { did, dname,
          designation,experience,joining_date,department});
      }
      jTable1.setModel(model);

      cursor.close();
      mongoClient.close();
    }
    catch(Exception ex){
    } // TODO add your handling code here:
    }
}

```

**Back:**

```
private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
this.setVisible(false);
new DOCTORINFO().setVisible(true); // TODO add your handling code here:
}
```

**BILL****Attributes:**

Doctor\_id

Patient\_id

Code

Medicine/Service/Product

Qty

Rate

Total

/\*

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\*/

package hospitalmanagement2;

/\*\*

\*

\* @author kirti

\*/

import com.mongodb.\*;

//import com.mongodb.client.MongoCollection;

//import com.mongodb.client.MongoDatabase;

import com.mongodb.BasicDBObject;

import com.mongodb.DB;

import com.mongodb.DBCollection;

import com.mongodb.DBCursor;

import com.mongodb.DBObject;



```

import com.mongodb.MongoClient;
import com.mongodb.client.MongoCollection;
import com.mongodb.client.model.Filters;
import com.mongodb.client.model.Updates;
import java.lang.System.Logger;
import java.lang.System.Logger.Level;
import javax.swing.JOptionPane;
import org.bson.Document;

public class BILL extends javax.swing.JFrame {
/**
 * Creates new form BILL
 */
public BILL() {
initComponents();
}
Submit:
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
MongoClient = null;
try {
mongoClient = new MongoClient( "localhost",27017);
DB = mongoClient.getDB("Hospital");
DBCollection coll = db.getCollection("Bill");
System.out.println("Collection Created");
BasicDBObject doc = new BasicDBObject("Doctor_id",
jTextField1.getText()).append("Patient_id",jTextField2.getText()).append("Medicine/Service/
Product",jTextArea3.getText()).append("Qty",jTextArea2.getText()).
if(jTextField1.getText().equals("")){
JOptionPane.showMessageDialog(this,"PLEASE ENTER Patient
ID","ERROR",JOptionPane.ERROR_MESSAGE);
}

coll.insert(doc);
JOptionPane.showMessageDialog(this,"Record Inserted in
Database","Msg",JOptionPane.ERROR_MESSAGE);
}
catch(Exception ex){

```

```

} // TODO add your handling code here:
}

```

### **Display:**

```

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
this.setVisible(false);
new BILLTABLE().setVisible(true); // TODO add your handling code here:
}

```

### **Delete:**

```

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
MongoClient = null;
mongoClient = new MongoClient( "localhost",27017);
DB = mongoClient.getDB("Hospital");
DBCollection coll = db.getCollection("Bill");
BasicDBObject document = new BasicDBObject();
document.put("Patient_id",jTextField2.getText());
coll.remove(document);
System.out.println("Document deleted successfully..."); // TODO add your handling code
here:
}

```

### **Back:**

```

private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {
this.setVisible(false);
new REGISTRATION().setVisible(true); // TODO add your handling code here:
}

```

### **BILL TABLE:**

```

/*
* Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this
license
* Click nbfs://nbhost/SystemFileSystem/Templates/GuiForms/JFrame.java to edit this
template
*/

```

```

package hospitalmanagement2;
import com.mongodb.DB;
import com.mongodb.DBCollection;

```

```

import com.mongodb.DBCursor;
import com.mongodb.DBObject;
import com.mongodb.MongoClient;
import javax.swing.table.DefaultTableModel;
import org.bson.types.ObjectId;
/**
 *
 * @author kirti
 */
public class BILLTABLE extends javax.swing.JFrame {
/**
 * Creates new form BILLTABLE
 */
public BILLTABLE() {
initComponents();
}

```

### **Display Bill:**

```

/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this
 license
 * Click nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JFrame.java to edit this
 template
 */
package hospitalmanagement2;
import com.mongodb.DB;
import com.mongodb.DBCollection;
import com.mongodb.DBCursor;
import com.mongodb.DBObject;
import com.mongodb.MongoClient;
import javax.swing.table.DefaultTableModel;
import org.bson.types.ObjectId;
/**
 *
 * @author kirti
 */
public class BILLTABLE extends javax.swing.JFrame {

```

```

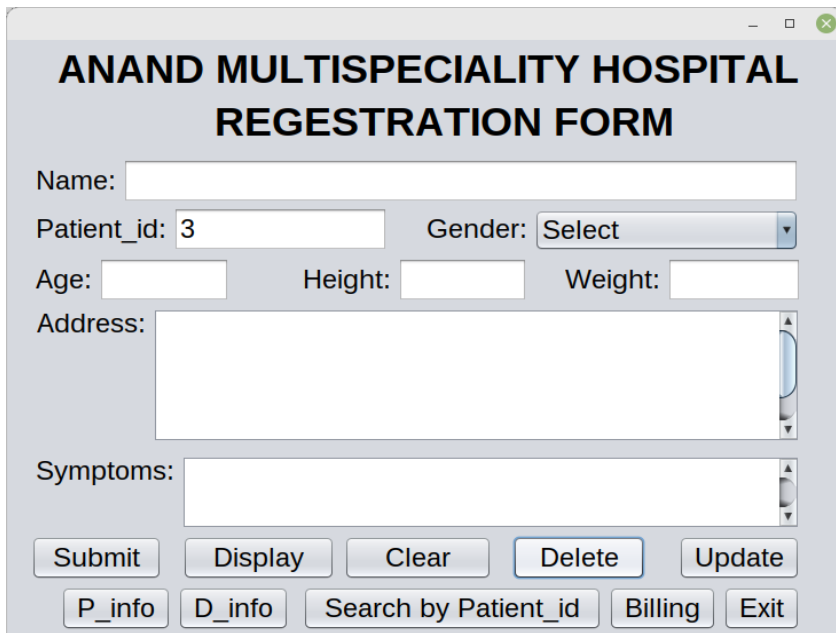
/**
 * Creates new form BILLTABLE
 */
public BILLTABLE() {
    initComponents();
}

Back:
private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    this.setVisible(false);
    new BILL().setVisible(true); // TODO add your handling code here:
}

```

## CHAPTER 4

### GRAPHICAL USER INTERFACE



**ANAND MULTISPECIALITY HOSPITAL  
REGISTRATION FORM**

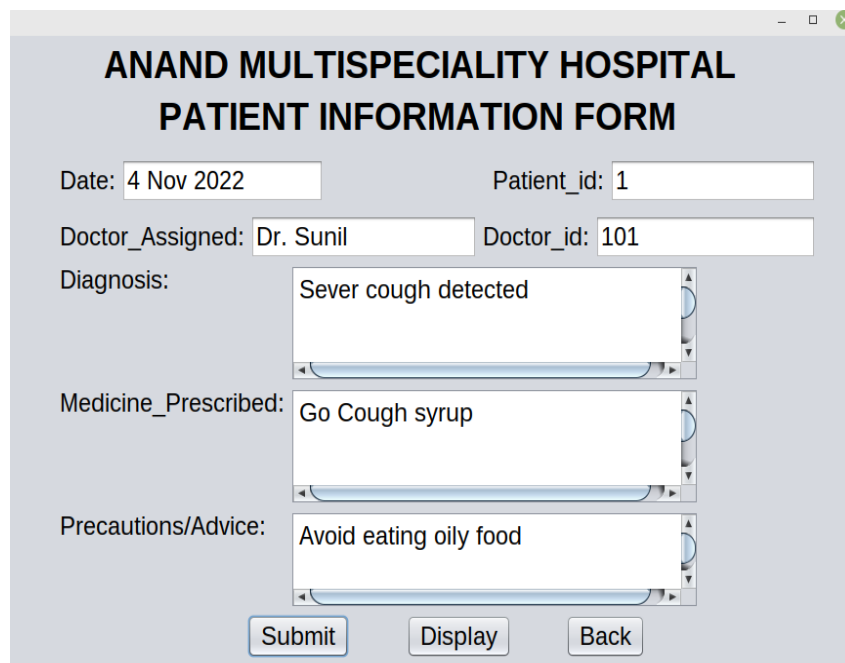
Name:

Patient\_id:  Gender:

Age:  Height:  Weight:

Address:

Symptoms:



**ANAND MULTISPECIALITY HOSPITAL  
PATIENT INFORMATION FORM**

Date:  Patient\_id:

Doctor\_Assigned:  Doctor\_id:

Diagnosis:

Medicine\_Prescribed:

Precautions/Advice:

**ANAND MULTISPECIALITY HOSPITAL**  
**DOCTOR INFORMATION FORM**

Doctor\_id:

Doctor\_Name:

Designation:  Experience:

Joining\_Date:  Department:

**ANAND MULTISPECIALITY HOSPITAL**  
**BILLING STATEMENT**

Doctor\_id:  Patient\_id:

Code: ☒ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6

Medicine/Service/Product	Qty	Rate	Total
<input type="text" value="Go Cough Syrup"/>	<input type="text" value="1"/>	<input type="text" value="200"/>	<input type="text" value="200"/>

## **CHAPTER 5**

### **CONCLUSION**

The entire project has been developed and deployed as per the requirements stated by user, it is found to be bug free as per the testing standard that are implemented.

Computer does maximum work with in minimum time. Because it is used in every field so that it provides comfort and suitability to everyone. Providing maximum facilities and comfort to customers to customers is main goal of the firm. To achieve this goal, other modern facilities relating to computer should have to be provided.