JAVA PROJECT

HOSPITAL MANAGEMENT SYSTEM

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Hospital Management System brings together all the information and processes of a hospital, in a single platform. It presents you with a unified 360-degree view for managing patients, doctors, inventory, appointments, billing information, finances and much more.

In the Hospital Management system we are divided into three sub class

First class are divided into patient class

In the patient class we are added into id, patient name, disease, sex and admit status. So in this it will display the patient details .

PROGRAM:

```java
static void Module1() {
    JFrame frame = new JFrame();
    JPanel panel = new JPanel();
    frame.setTitle("HOSPITAL MANAGEMENT SYSTEM");
    frame.setFont(new Font("Arial", Font.PLAIN, 35));
    frame.setSize(1500, 800);
    frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
    frame.add(panel);
    panel.setLayout(null);
    j1 = new JLabel(" DOCTORS", JLabel.CENTER);
    j1.setBounds(200, 5, 450, 50);
    j1.setForeground(Color.BLACK);
    j1.setFont(new Font("Arial", Font.PLAIN, 60));
    panel.add(j1);
    j2 = new JLabel("DOCTOR DETAILS ");
    j2.setBounds(200, 105, 330, 35);
    j2.setForeground(Color.BLUE);
    j2.setFont(new Font("Arial", Font.PLAIN, 25));
    panel.add(j2);
    j3 = new JLabel("ID");
    j3.setBounds(100, 152, 130, 15);
    j3.setForeground(Color.BLACK);
    j3.setFont(new Font("Arial", Font.PLAIN, 15));
    panel.add(j3);
    t1 = new JFormattedTextField("");
    t1.setBounds(400, 150, 180, 25);
```

```java
        panel.add(t1);
        j4 = new JLabel("NAME");
        j4.setBounds(100, 182, 120, 15);
        j4.setForeground(Color.BLACK);
        j4.setFont(new Font("Arial", Font.PLAIN, 15));
        panel.add(j4);
        t6 = new JFormattedTextField("");
        t6.setBounds(400, 180, 180, 25);
        panel.add(t6);
        j5 = new JLabel("SPECILIST");
        j5.setBounds(100, 212, 230, 15);
        j5.setForeground(Color.BLACK);
        j5.setFont(new Font("Arial", Font.PLAIN, 15));
        panel.add(j5);
        t7 = new JFormattedTextField("");
        t7.setBounds(400, 210, 180, 25);
        panel.add(t7);
        j6 = new JLabel("TIMING");
        j6.setBounds(100, 242, 230, 15);
        j6.setForeground(Color.BLACK);
        j6.setFont(new Font("Arial", Font.PLAIN, 15));
        panel.add(j6);
        t3 = new JFormattedTextField("");
        t3.setBounds(400, 240, 180, 25);
        panel.add(t3);
        j7 = new JLabel("QUALIFICATION");
        j7.setBounds(100, 272, 230, 15);
        j7.setForeground(Color.BLACK);
        j7.setFont(new Font("Arial", Font.PLAIN, 15));
        panel.add(j7);
        t4 = new JFormattedTextField("");
        t4.setBounds(400, 270, 180, 25);
        panel.add(t4);
        j8 = new JLabel("ROOM NO");
        j8.setBounds(100, 302, 230, 15);
        j8.setForeground(Color.BLACK);
        j8.setFont(new Font("Arial", Font.PLAIN, 15));
        panel.add(j8);
        t2 = new JFormattedTextField("");
        t2.setBounds(400, 300, 180, 25);
        panel.add(t2);

        frame.setVisible(true);
}
```

OUTPUT:

Second class are divided into doctors class

In the doctors class are added into doctor id, doctors name, specialist, appoint and the doctors qualification
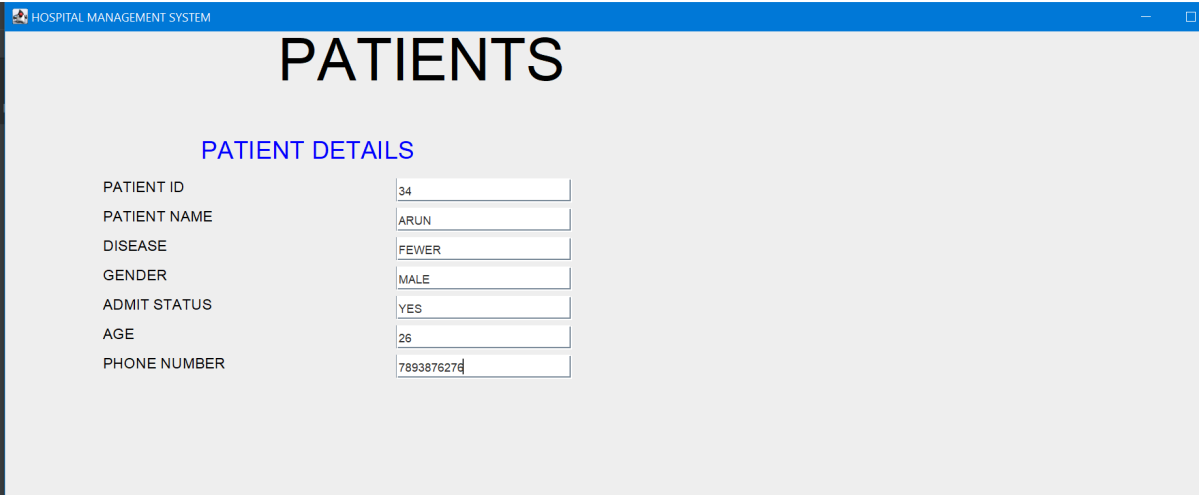
PROGRAM:

```java
static void Module2() {
    JFrame frame = new JFrame();
    JPanel panel = new JPanel();
    frame.setTitle("HOSPITAL MANAGEMENT SYSTEM");
    frame.setFont(new Font("Arial", Font.PLAIN, 35));
    frame.setSize(1500, 800);
    frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
    frame.add(panel);
    panel.setLayout(null);
    j1 = new JLabel("PATIENTS", JLabel.CENTER);
    j1.setBounds(200, 5, 450, 50);
    j1.setForeground(Color.BLACK);
    j1.setFont(new Font("Arial", Font.PLAIN, 60));
    panel.add(j1);
    j2 = new JLabel("PATIENT DETAILS");
    j2.setBounds(200, 105, 330, 35);
    j2.setForeground(Color.BLUE);
    j2.setFont(new Font("Arial", Font.PLAIN, 25));
    panel.add(j2);
    j3 = new JLabel("PATIENT ID");
    j3.setBounds(100, 152, 130, 15);
    j3.setForeground(Color.BLACK);
    j3.setFont(new Font("Arial", Font.PLAIN, 15));
    panel.add(j3);
    t1 = new JFormattedTextField("");
    t1.setBounds(400, 150, 180, 25);
    panel.add(t1);
    j4 = new JLabel("PATIENT NAME");
    j4.setBounds(100, 182, 120, 15);
    j4.setForeground(Color.BLACK);
    j4.setFont(new Font("Arial", Font.PLAIN, 15));
    panel.add(j4);
    t6 = new JFormattedTextField("");
    t6.setBounds(400, 180, 180, 25);
    panel.add(t6);
    j5 = new JLabel("DISEASE");
    j5.setBounds(100, 212, 230, 15);
    j5.setForeground(Color.BLACK);
    j5.setFont(new Font("Arial", Font.PLAIN, 15));
    panel.add(j5);
    t7 = new JFormattedTextField("");
    t7.setBounds(400, 210, 180, 25);
    panel.add(t7);
    j6 = new JLabel("GENDER");
    j6.setBounds(100, 242, 230, 15);
    j6.setForeground(Color.BLACK);
    j6.setFont(new Font("Arial", Font.PLAIN, 15));
    panel.add(j6);
    t3 = new JFormattedTextField("");
    t3.setBounds(400, 240, 180, 25);
    panel.add(t3);
    j7 = new JLabel("ADMIT STATUS");
    j7.setBounds(100, 272, 230, 15);
```

```
    j7.setForeground(Color.BLACK);
    j7.setFont(new Font("Arial", Font.PLAIN, 15));
    panel.add(j7);
    t4 = new JFormattedTextField("");
    t4.setBounds(400, 270, 180, 25);
    panel.add(t4);
    j8 = new JLabel("AGE");
    j8.setBounds(100, 302, 230, 15);
    j8.setForeground(Color.BLACK);
    j8.setFont(new Font("Arial", Font.PLAIN, 15));
    panel.add(j8);
    t2 = new JFormattedTextField("");
    t2.setBounds(400, 300, 180, 25);
    panel.add(t2);
    j12 = new JLabel("PHONE NUMBER");
    j12.setBounds(100, 332, 230, 15);
    j12.setForeground(Color.BLACK);
    j12.setFont(new Font("Arial", Font.PLAIN, 15));
    panel.add(j12);
    t8 = new JFormattedTextField("");
    t8.setBounds(400, 330, 180, 25);
    panel.add(t8);
    frame.setVisible(true);
}
```

OUTPUT:

Third sub class are divided into medical class

In the Medical class it will display the medical name, expiry date, medical cost, count.

PROGRAM:

```
static void Module3() {
    JFrame frame = new JFrame();
    JPanel panel = new JPanel();
    frame.setTitle("HOSPITAL MANAGEMENT SYSTEM");
    frame.setFont(new Font("Arial", Font.PLAIN, 35));
    frame.setSize(1500, 800);
    frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
    frame.add(panel);
    panel.setLayout(null);
```

```java
        j1 = new JLabel(" MEDICINS", JLabel.CENTER);
        j1.setBounds(200, 5, 450, 50);
        j1.setForeground(Color.BLACK);
        j1.setFont(new Font("Arial", Font.PLAIN, 60));
        panel.add(j1);
        j2 = new JLabel("MEDICAL DETAILS");
        j2.setBounds(200, 105, 330, 45);
        j2.setForeground(Color.BLUE);
        j2.setFont(new Font("Arial", Font.PLAIN, 25));
        panel.add(j2);
        j3 = new JLabel("MEDICINE NAME");
        j3.setBounds(100, 152, 130, 15);
        j3.setForeground(Color.BLACK);
        j3.setFont(new Font("Arial", Font.PLAIN, 15));
        panel.add(j3);
        t1 = new JFormattedTextField("");
        t1.setBounds(400, 150, 180, 25);
        panel.add(t1);
        j4 = new JLabel("COMPANY ");
        j4.setBounds(100, 182, 120, 15);
        j4.setForeground(Color.BLACK);
        j4.setFont(new Font("Arial", Font.PLAIN, 15));
        panel.add(j4);
        t6 = new JFormattedTextField("");
        t6.setBounds(400, 180, 180, 25);
        panel.add(t6);
        j5 = new JLabel("COMPANY CODE ");
        j5.setBounds(100, 212, 230, 15);
        j5.setForeground(Color.BLACK);
        j5.setFont(new Font("Arial", Font.PLAIN, 15));
        panel.add(j5);
        t7 = new JFormattedTextField("");
        t7.setBounds(400, 210, 180, 25);
        panel.add(t7);
        j6 = new JLabel("EXPIRY DATE");
        j6.setBounds(100, 242, 230, 15);
        j6.setForeground(Color.BLACK);
        j6.setFont(new Font("Arial", Font.PLAIN, 15));
        panel.add(j6);
        t3 = new JFormattedTextField("");
        t3.setBounds(400, 240, 180, 25);
        panel.add(t3);
        j7 = new JLabel("COST");
        j7.setBounds(100, 272, 230, 15);
        j7.setForeground(Color.BLACK);
        j7.setFont(new Font("Arial", Font.PLAIN, 15));
        panel.add(j7);
        t4 = new JFormattedTextField("");
        t4.setBounds(400, 270, 180, 25);
        panel.add(t4);
        frame.setVisible(true);
}
```

OUTPUT:

HOSPITAL MANAGEMENT SYSTEM

MEDICINS

MEDICAL DETAILS

MEDICINE NAME	COREX
COMPANY	CINO PVT
COMPANY CODE	EE25
EXPIRY DATE	9-5-2022
COST	100 EACH

CONCLUSION: By this project we can conclude that in this program we can display the code in which the patient details of the hospital, doctors details of the hospital in which department they specialist and medical details of the hospital how much cost it is and expiry date of the medicine.