**Patient management**  
<!--<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd">-->

<!-- <modelVersion>4.0.0</modelVersion>-->

<!-- <groupId>PatientManagement</groupId>-->

<!-- <artifactId>PatientManagement</artifactId>-->

<!-- <version>0.0.1-SNAPSHOT</version>-->

<!-- <name>PatientManagement</name>-->

<!-- <description>PatientManagement</description>-->

<!-- <dependencies>-->

<!-- <dependency>-->

<!-- <groupId>org.springframework</groupId>-->

<!-- <artifactId>spring-context</artifactId>-->

<!-- <version>5.3.10</version>-->

<!-- </dependency>-->

<!-- </dependencies>-->

<!-- <properties>-->

<!-- <project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>-->

<!-- <maven.compiler.target>17</maven.compiler.target>-->

<!-- <maven.compiler.source>17</maven.compiler.source>-->

<!-- </properties>-->

<!--</project>-->

<project xmlns="http://maven.apache.org/POM/4.0.0"

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd">

<modelVersion>4.0.0</modelVersion>

<groupId>com.cognizant.patient</groupId>

<artifactId>PatientManagement</artifactId>

<version>0.0.1-SNAPSHOT</version>

<properties>

<maven.compiler.source>1.8</maven.compiler.source>

<maven.compiler.target>1.8</maven.compiler.target>

<testng.version>6.14.3</testng.version>

</properties>

<dependencies>

<!-- https://mvnrepository.com/artifact/org.springframework/spring-core -->

<dependency>

<groupId>org.springframework</groupId>

<artifactId>spring-core</artifactId>

<version>5.2.4.RELEASE</version>

</dependency>

<!-- https://mvnrepository.com/artifact/org.springframework/spring-context -->

<dependency>

<groupId>org.springframework</groupId>

<artifactId>spring-context</artifactId>

<version>5.2.4.RELEASE</version>

</dependency>

<!-- https://mvnrepository.com/artifact/org.springframework/spring-beans -->

<dependency>

<groupId>org.springframework</groupId>

<artifactId>spring-beans</artifactId>

<version>5.2.4.RELEASE</version>

</dependency>

<dependency>

<groupId>org.springframework</groupId>

<artifactId>spring-test</artifactId>

<version>4.3.9.RELEASE</version>

</dependency>

<dependency>

<groupId>junit</groupId>

<artifactId>junit</artifactId>

<version>4.12</version>

</dependency>

<!-- https://mvnrepository.com/artifact/org.junit.jupiter/junit-jupiter-api -->

<dependency>

<groupId>org.junit.jupiter</groupId>

<artifactId>junit-jupiter-engine</artifactId>

<version>5.3.1</version>

<scope>test</scope>

</dependency>

<dependency>

<groupId>org.apache.maven.plugins</groupId>

<artifactId>maven-surefire-plugin</artifactId>

<version>2.22.0</version>

</dependency>

</dependencies>

<build>

<plugins>

<plugin>

<artifactId>maven-surefire-plugin</artifactId>

<version>2.22.1</version>

</plugin>

</plugins>

</build>

</project>  
  
---------------------  
// package com.cts.patient.config;

// import org.springframework.context.annotation.Bean;

// import org.springframework.context.annotation.ComponentScan;

// import org.springframework.context.annotation.Configuration;

// import org.springframework.context.annotation.PropertySource;

// import org.springframework.context.support.PropertySourcesPlaceholderConfigurer;

// import org.springframework.core.io.ClassPathResource;

// import com.cts.patient.model.Patient;

// import com.cts.patient.service.PatientService;

// //fill the code

// public class AppConfig {

// //fill the code

// }

package com.cts.patient.config;

import org.springframework.context.annotation.Bean;

import org.springframework.context.annotation.ComponentScan;

import org.springframework.context.annotation.Configuration;

import org.springframework.context.annotation.PropertySource;

import com.cts.patient.model.Patient;

import com.cts.patient.service.PatientService;

@Configuration

@ComponentScan("com.cts.patient")

@PropertySource("classpath:patient\_details.properties")

public class AppConfig {

//fill the code

@Bean

Patient patient() {

return new Patient();

}

@Bean

PatientService patientService() {

return new PatientService();

}

}  
--------------  
// package com.cts.patient;

// import org.springframework.context.ApplicationContext;

// import org.springframework.context.annotation.AnnotationConfigApplicationContext;

// import com.cts.patient.config.AppConfig;

// import com.cts.patient.service.\*;

// public class Main {

// public static void main(String[] args) {

// //fill the code

// }

// }

package com.cts.patient;

import org.springframework.context.ApplicationContext;

import org.springframework.context.annotation.AnnotationConfigApplicationContext;

import com.cts.patient.service.PatientService;

public class Main {

public static void main(String[] args) {

//fill the code

ApplicationContext context = new AnnotationConfigApplicationContext("com.cts.patient.config.AppConfig.class");

PatientService patientService = context.getBean(PatientService.class);

patientService.getPatientDetails();

}

}

--------------  
// package com.cts.patient.model;

// import org.springframework.beans.factory.annotation.Value;

// public class Patient {

// //fill the code

// private String pid;

// //fill the code

// private String pname;

// //fill the code

// private String disease;

// //fill the code

// private String sex;

// //fill the code

// private String admit\_status;

// //fill the code

// private Integer age;

// public String getPid() {

// return pid;

// }

// public void setPid(String pid) {

// this.pid = pid;

// }

// public String getPname() {

// return pname;

// }

// public void setPname(String pname) {

// this.pname = pname;

// }

// public String getDisease() {

// return disease;

// }

// public void setDisease(String disease) {

// this.disease = disease;

// }

// public String getSex() {

// return sex;

// }

// public void setSex(String sex) {

// this.sex = sex;

// }

// public String getAdmit\_status() {

// return admit\_status;

// }

// public void setAdmit\_status(String admit\_status) {

// this.admit\_status = admit\_status;

// }

// public Integer getAge() {

// return age;

// }

// public void setAge(Integer age) {

// this.age = age;

// }

// }

package com.cts.patient.model;

import org.springframework.beans.factory.annotation.Value;

import org.springframework.stereotype.Component;

@Component

public class Patient {

//fill the code

private String pid;

//fill the code

private String pname;

//fill the code

private String disease;

//fill the code

private String sex;

//fill the code

private String admit\_status;

//fill the code

private Integer age;

public String getPid() {

return pid;

}

@Value("${pid}")

public void setPid(String pid) {

this.pid = pid;

}

public String getPname() {

return pname;

}

@Value("${pname}")

public void setPname(String pname) {

this.pname = pname;

}

public String getDisease() {

return disease;

}

@Value("${disease}")

public void setDisease(String disease) {

this.disease = disease;

}

public String getSex() {

return sex;

}

@Value("${sex}")

public void setSex(String sex) {

this.sex = sex;

}

public String getAdmit\_status() {

return admit\_status;

}

@Value("${admit\_status}")

public void setAdmit\_status(String admit\_status) {

this.admit\_status = admit\_status;

}

public Integer getAge() {

return age;

}

@Value("${age}")

public void setAge(Integer age) {

this.age = age;

}

}  
------------  
// package com.cts.patient.service;

// import org.springframework.beans.factory.annotation.Autowired;

// import com.cts.patient.model.Patient;

// public class PatientService {

// //fill the code

// public void getPatientDetails() {

// //fill the code

// }

// }

package com.cts.patient.service;

import org.springframework.beans.factory.annotation.Autowired;

import org.springframework.stereotype.Component;

import com.cts.patient.model.Patient;

@Component

public class PatientService {

private Patient patient;

public Patient getPatient() {

return patient;

}

@Autowired

public void setPatient(Patient patient) {

this.patient = patient;

}

public void getPatientDetails() {

//fill the code

String result = "Patient Id : " + patient.getPid() + "\nPatient Name : "

+ patient.getPname() + "\n Disease : " + patient.getDisease() +

"\nSex : " + patient.getSex() + "\nAdmit Status : " + patient.getAdmit\_status()

+ "\nAge : " + patient.getAge();

System.out.println(result);

}

}  
------------------------------------------------------------------------------  
pid=P1000

pname=ABC

disease=fever

sex=female

admit\_status=yes

age=55  
-----------------------------------------------------------------------------  
**LOAN PRO**  
<!--<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd">-->

<!-- <modelVersion>4.0.0</modelVersion>-->

<!-- <groupId>LendPro</groupId>-->

<!-- <artifactId>LendPro</artifactId>-->

<!-- <version>0.0.1-SNAPSHOT</version>-->

<!-- <dependencies>-->

<!-- <dependency>-->

<!-- <groupId>org.springframework</groupId>-->

<!-- <artifactId>spring-context</artifactId>-->

<!-- <aversion>5.3.10</version>-->

<!-- </dependency>-->

<!-- <dependency>-->

<!-- <groupId>junit</groupId>-->

<!-- <artifactId>junit</artifactId>-->

<!-- <version>4.12</version>-->

<!-- <scope>test</scope>-->

<!-- </dependency>-->

<!-- <dependency>-->

<!-- <groupId>xmlunit</groupId>-->

<!-- <artifactId>xmlunit</artifactId>-->

<!-- <version>1.6</version>-->

<!-- <scope>test</scope>-->

<!-- </dependency>-->

<!-- <dependency>-->

<!-- <groupId>com.github.stefanbirkner</groupId>-->

<!-- <artifactId>system-rules</artifactId>-->

<!-- <version>1.16.0</version>-->

<!-- <scope>test</scope>-->

<!-- </dependency>-->

<!-- </dependencies>-->

<!-- <properties>-->

<!-- <project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>-->

<!-- <maven.compiler.target>17</maven.compiler.target>-->

<!-- <maven.compiler.source>17</maven.compiler.source>-->

<!-- </properties>-->

<!--</project>-->

<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd">

<modelVersion>4.0.0</modelVersion>

<groupId>LendPro</groupId>

<artifactId>LendPro</artifactId>

<version>0.0.1-SNAPSHOT</version>

<dependencies>

<dependency>

<groupId>org.springframework</groupId>

<artifactId>spring-context</artifactId>

<version>5.3.10</version>

</dependency>

<dependency>

<groupId>junit</groupId>

<artifactId>junit</artifactId>

<version>4.12</version>

<scope>test</scope>

</dependency>

<dependency>

<groupId>xmlunit</groupId>

<artifactId>xmlunit</artifactId>

<version>1.6</version>

<scope>test</scope>

</dependency>

<dependency>

<groupId>com.github.stefanbirkner</groupId>

<artifactId>system-rules</artifactId>

<version>1.16.0</version>

<scope>test</scope>

</dependency>

</dependencies>

<properties>

<project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>

<maven.compiler.target>17</maven.compiler.target>

<maven.compiler.source>17</maven.compiler.source>

</properties>

</project>  
--------------------------------------------------------------------------------------------------------  
// package com.spring.app;

// import java.text.DecimalFormat;

// import java.util.Scanner;

// import org.springframework.context.ApplicationContext;

// import org.springframework.context.support.ClassPathXmlApplicationContext;

// public class Driver {

// public static void main(String[] args) {

// Scanner scanner = new Scanner(System.in);

// }

// }

package com.spring.app;

import java.text.DecimalFormat;

import java.util.Scanner;

import org.springframework.context.ApplicationContext;

import org.springframework.context.support.ClassPathXmlApplicationContext;

public class Driver {

public static void main(String[] args) {

ApplicationContext context = new ClassPathXmlApplicationContext("beans.xml");

SmartLoan smartLoan = (SmartLoan) context.getBean("smartLoan");

Scanner scanner = new Scanner(System.in);

System.out.println("Welcome to Loan Processing System");

System.out.println("Customer Name: " + smartLoan.getCustomerName());

System.out.println("Customer ID: " + smartLoan.getCustomerId());

System.out.println("Enter loan amount");

double amount = scanner.nextDouble();

System.out.println("Enter loan tenure in months");

int tenure = scanner.nextInt();

System.out.println("Enter the loan type");

String loanType= scanner.next();

double emi=smartLoan.calculateEMI(amount, tenure, loanType);

System.out.println("Your EMI for "+tenure+" months will be $"+emi);

}

}  
---------------------------------------------------------------------------------------------------------  
// package com.spring.app;

// import java.util.List;

// public abstract class Loan {

// private int customerId;

// private String customerName;

// public Loan() {

// }

// public Loan(int customerId, String customerName) {

// this.customerId = customerId;

// this.customerName = customerName;

// }

// public int getCustomerId() {

// return customerId;

// }

// public void setCustomerId(int customerId) {

// this.customerId = customerId;

// }

// public String getCustomerName() {

// return customerName;

// }

// public void setCustomerName(String customerName) {

// this.customerName = customerName;

// }

// public abstract double calculateEMI(double loanAmount, int tenure, String loanType);

// }

package com.spring.app;

import java.util.List;

public abstract class Loan {

private int customerId;

private String customerName;

public Loan() {

}

public Loan(int customerId, String customerName) {

this.customerId = customerId;

this.customerName = customerName;

}

public int getCustomerId() {

return customerId;

}

public void setCustomerId(int customerId) {

this.customerId = customerId;

}

public String getCustomerName() {

return customerName;

}

public void setCustomerName(String customerName) {

this.customerName = customerName;

}

public abstract double calculateEMI(double loanAmount, int tenure, String loanType);

}  
---------------------------------------------------------------------------------------------------------  
// package com.spring.app;

// import java.util.HashMap;

// import java.util.List;

// import java.util.Map;

// import java.util.Map.Entry;

// import java.util.Properties;

// public class SmartLoan {

// private Map<String, Double> interestRatesMap;

// public SmartLoan() {

// }

// }

package com.spring.app;

import java.util.HashMap;

import java.util.List;

import java.util.Map;

import java.util.Map.Entry;

import java.util.Properties;

import java.text.DecimalFormat;

public class SmartLoan extends Loan{

private Map<String, Double> interestRatesMap;

public Map<String, Double> getInterestRatesMap() {

return interestRatesMap;

}

public void setInterestRatesMap(Map<String, Double> interestRatesMap) {

this.interestRatesMap = interestRatesMap;

}

public SmartLoan(int customerId, String customerName, Map<String, Double> interestRatesMap) {

super(customerId, customerName);

this.interestRatesMap = interestRatesMap;

}

public double calculateEMI(double loanAmount, int tenure, String loanType) {

if (loanAmount <= 0 || tenure <= 0 || !interestRatesMap.containsKey(loanType)) {

System.out.println("Invalid Input");

return 0.0;

}

double annualRate = interestRatesMap.get(loanType);

double monthlyRate = annualRate / 12;

double numerator = loanAmount \* monthlyRate \* Math.pow(1 + monthlyRate, tenure);

double denominator = Math.pow(1 + monthlyRate, tenure) - 1;

double emi = numerator / denominator;

DecimalFormat df = new DecimalFormat("#.##");

return Double.parseDouble(df.format(emi));

}

}  
----------------------------------------------------------------------------------------------  
<beans xmlns="http://www.springframework.org/schema/beans"

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xmlns:p="http://www.springframework.org/schema/p"

xmlns:aop="http://www.springframework.org/schema/aop"

xmlns:context="http://www.springframework.org/schema/context"

xmlns:jee="http://www.springframework.org/schema/jee"

xmlns:tx="http://www.springframework.org/schema/tx"

xmlns:task="http://www.springframework.org/schema/task"

xsi:schemaLocation="http://www.springframework.org/schema/aop

http://www.springframework.org/schema/aop/spring-aop-3.2.xsd

http://www.springframework.org/schema/beans

http://www.springframework.org/schema/beans/spring-beans-3.2.xsd

http://www.springframework.org/schema/context

http://www.springframework.org/schema/context/spring-context-3.2.xsd

http://www.springframework.org/schema/jee

http://www.springframework.org/schema/jee/spring-jee-3.2.xsd

http://www.springframework.org/schema/tx

http://www.springframework.org/schema/tx/spring-tx-3.2.xsd

http://www.springframework.org/schema/task

http://www.springframework.org/schema/task/spring-task-3.2.xsd">

<!-- Fill your code here -->

<context:property-placeholder location="classpath:loanTypes.properties"/>

<bean id="abstractLoan" class="com.spring.app.Loan" abstract="true" />

<bean id="smartLoan" class="com.spring.app.SmartLoan" parent="abstractLoan">

<constructor-arg value="12345"/>

<constructor-arg value="John"/>

<constructor-arg>

<map>

<entry key="personalLoan" value="${personalLoan}" />

<entry key="homeLoan" value="${homeLoan}" />

<entry key="carLoan" value="${carLoan}" />

</map>

</constructor-arg>

</bean>

</beans>  
--------------------------------------------------------  
personalLoan=0.085

homeLoan=0.075

carLoan=0.09

-----------------------------------------------------------------------------------------------------------  
**HOSPITAL MANAGEMENT**<!--<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd">-->

<!-- <modelVersion>4.0.0</modelVersion>-->

<!-- <groupId>HospitalManagement</groupId>-->

<!-- <artifactId>HospitalManagement</artifactId>-->

<!-- <version>0.0.1-SNAPSHOT</version>-->

<!-- <dependencies>-->

<!-- <dependency>-->

<!-- <groupId>org.springframework</groupId>-->

<!-- <artifactId>spring-context</artifactId>-->

<!-- <version>5.3.10</version>-->

<!-- </dependency>-->

<!-- <dependency>-->

<!-- <groupId>junit</groupId>-->

<!-- <artifactId>junit</artifactId>-->

<!-- <version>4.12</version>-->

<!-- <scope>test</scope>-->

<!-- </dependency>-->

<!-- <dependency>-->

<!-- <groupId>xmlunit</groupId>-->

<!-- <artifactId>xmlunit</artifactId>-->

<!-- <version>1.6</version>-->

<!-- <scope>test</scope>-->

<!-- </dependency>-->

<!-- <dependency>-->

<!-- <groupId>com.github.stefanbirkner</groupId>-->

<!-- <artifactId>system-rules</artifactId>-->

<!-- <version>1.16.0</version>-->

<!-- <scope>test</scope>-->

<!-- </dependency>-->

<!-- </dependencies>-->

<!-- <properties>-->

<!-- <project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>-->

<!-- <maven.compiler.target>17</maven.compiler.target>-->

<!-- <maven.compiler.source>17</maven.compiler.source>-->

<!-- </properties>-->

<!--</project>-->

<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd">

<modelVersion>4.0.0</modelVersion>

<groupId>HospitalManagement</groupId>

<artifactId>HospitalManagement</artifactId>

<version>0.0.1-SNAPSHOT</version>

<dependencies>

<dependency>

<groupId>org.springframework</groupId>

<artifactId>spring-context</artifactId>

<version>5.3.10</version>

</dependency>

<dependency>

<groupId>junit</groupId>

<artifactId>junit</artifactId>

<version>4.12</version>

<scope>test</scope>

</dependency>

<dependency>

<groupId>xmlunit</groupId>

<artifactId>xmlunit</artifactId>

<version>1.6</version>

<scope>test</scope>

</dependency>

<dependency>

<groupId>com.github.stefanbirkner</groupId>

<artifactId>system-rules</artifactId>

<version>1.16.0</version>

<scope>test</scope>

</dependency>

</dependencies>

<properties>

<project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>

<maven.compiler.target>17</maven.compiler.target>

<maven.compiler.source>17</maven.compiler.source>

</properties>

</project>  
--------------------------------------------------------------------------------------------------  
// package com.spring.app;

// import java.util.Scanner;

// import org.springframework.context.ApplicationContext;

// import org.springframework.context.annotation.AnnotationConfigApplicationContext;

// public class App {

// public static void main(String[] args) {

// ApplicationContext context = new AnnotationConfigApplicationContext(AppConfig.class);

// HeadHospital hospital = null;

// Scanner scanner = new Scanner(System.in);

// System.out.println("Select location:\n1.New York\n2.Los Angeles");

// int choice = scanner.nextInt();

// if(choice == 1){

// // FILL THE CODE HERE

// } else if(choice == 2){

// // FILL THE CODE HERE

// } else {

// System.out.println("Wrong Choice");

// return;

// }

// hospital.doDocumentVerification();

// hospital.provideTreatment();

// }

// }

package com.spring.app;

import java.util.Scanner;

import org.springframework.context.ApplicationContext;

import org.springframework.context.annotation.AnnotationConfigApplicationContext;

public class App {

public static void main(String[] args) {

ApplicationContext context = new AnnotationConfigApplicationContext(AppConfig.class);

HeadHospital hospital = null;

Scanner scanner = new Scanner(System.in);

System.out.println("Select location:\n1.New York\n2.Los Angeles");

int choice = scanner.nextInt();

if(choice == 1){

hospital=context.getBean(NewYorkHospital.class);

} else if(choice == 2){

// FILL THE CODE HERE

hospital=context.getBean(LosAngelesHospital.class);

} else {

System.out.println("Wrong Choice");

return;

}

hospital.doDocumentVerification();

hospital.provideTreatment();

}

}  
------------------------------------------------------------------------------------------  
// package com.spring.app;

// //Use appropriate annotation

// public class AppConfig {

// //Use appropriate annotation

// public Document newYorkDocument() {

// Document document = new Document();

// document.setName("Alice");

// document.setIdProof("Insurance");

// document.setCondition("Flu");

// return document;

// }

// //Use appropriate annotation

// public Document losAngelesDocument() {

// Document document = new Document();

// document.setName("Bob");

// document.setIdProof("ID Card");

// document.setCondition("Sprain");

// return document;

// }

// }

package com.spring.app;

import org.springframework.context.annotation.Configuration;

import org.springframework.context.annotation.ComponentScan;

import org.springframework.context.annotation.Bean;

//Use appropriate annotation

@Configuration

@ComponentScan("com.spring.app")

public class AppConfig {

//Use appropriate annotation

@Bean

public Document newYorkDocument() {

Document document = new Document();

document.setName("Alice");

document.setIdProof("Insurance");

document.setCondition("Flu");

return document;

}

//Use appropriate annotation

@Bean

public Document losAngelesDocument() {

Document document = new Document();

document.setName("Bob");

document.setIdProof("ID Card");

document.setCondition("Sprain");

return document;

}

}  
---------------------------------------------------------------------------------------------  
// package com.spring.app;

// import org.springframework.stereotype.Component;

// @Component

// public class Document {

// private String name;

// private String idProof;

// private String condition;

// public String getName() {

// return name;

// }

// public void setName(String name) {

// this.name = name;

// }

// public String getIdProof() {

// return idProof;

// }

// public void setIdProof(String idProof) {

// this.idProof = idProof;

// }

// public String getCondition() {

// return condition;

// }

// public void setCondition(String condition) {

// this.condition = condition;

// }

// }

package com.spring.app;

import org.springframework.stereotype.Component;

@Component

public class Document {

private String name;

private String idProof;

private String condition;

public String getName() {

return name;

}

public void setName(String name) {

this.name = name;

}

public String getIdProof() {

return idProof;

}

public void setIdProof(String idProof) {

this.idProof = idProof;

}

public String getCondition() {

return condition;

}

public void setCondition(String condition) {

this.condition = condition;

}

}  
-----------------------------------------------------------------------------------------------  
// package com.spring.app;

// public interface HeadHospital {

// public void doDocumentVerification();

// public void provideTreatment();

// }

package com.spring.app;

public interface HeadHospital {

public void doDocumentVerification();

public void provideTreatment();

}  
-------------------------------------------------------------------------------------------  
// package com.spring.app;

// //use appropriate annotation to make this class as component class

// public class LosAngelesHospital {

// private Document losAngelesDocument;

// //use appropriate annotation

// public LosAngelesHospital(Document losAngelesDocument) {

// super();

// this.losAngelesDocument = losAngelesDocument;

// }

// // FILL THE CODE HERE

// }

package com.spring.app;

import org.springframework.stereotype.Component;

import org.springframework.beans.factory.annotation.Autowired;

//use appropriate annotation to make this class as component class

@Component

public class LosAngelesHospital implements HeadHospital {

private Document losAngelesDocument;

//use appropriate annotation

@Autowired

public LosAngelesHospital(Document losAngelesDocument) {

super();

this.losAngelesDocument = losAngelesDocument;

}

// FILL THE CODE HERE

public void doDocumentVerification(){

System.out.println("Document verification done using "+losAngelesDocument.getIdProof());

System.out.println();

}

public void provideTreatment(){

System.out.println("Treatment is in progress for "+ losAngelesDocument.getName()+" with condition "+losAngelesDocument.getCondition()+" at Los Angeles Hospital" );

}

}  
--------------------------------------------------------------------------------------------  
// package com.spring.app;

// //use appropriate annotation to make this class as component class

// public class NewYorkHospital {

// private Document newYorkDocument;

// //use appropriate annotation

// public NewYorkHospital(Document newYorkDocument) {

// super();

// this.newYorkDocument = newYorkDocument;

// }

// // FILL THE CODE HERE

// }

package com.spring.app;

import org.springframework.stereotype.Component;

import org.springframework.beans.factory.annotation.Autowired;

//use appropriate annotation to make this class as component class

@Component

public class NewYorkHospital implements HeadHospital {

private Document newYorkDocument;

//use appropriate annotation

@Autowired

public NewYorkHospital(Document newYorkDocument) {

super();

this.newYorkDocument = newYorkDocument;

}

// FILL THE CODE HERE

public void doDocumentVerification(){

System.out.println("Document verification done using"+newYorkDocument.getIdProof());

}

public void provideTreatment(){

System.out.println("Treatment is in progress for "+ newYorkDocument.getName()+" with condition "+newYorkDocument.getCondition()+"at New York Hospital");

}

}  
----------------------------------------------------------------------------------------------------------