Automatic evaluation[[+]](javascript:void(0);)

HospitalManagement/pom.xml

1 <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">

2 <modelVersion>4.0.0</modelVersion>

3 <groupId>HospitalManagement</groupId>

4 <artifactId>HospitalManagement</artifactId>

5 <version>0.0.1-SNAPSHOT</version>

6

7 <dependencies>

8 <dependency>

9 <groupId>org.springframework</groupId>

10 <artifactId>spring-context</artifactId>

11 <version>5.3.10</version>

12 </dependency>

13

14 <dependency>

15 <groupId>junit</groupId>

16 <artifactId>junit</artifactId>

17 <version>4.12</version>

18 <scope>test</scope>

19 </dependency>

20

21 <dependency>

22 <groupId>xmlunit</groupId>

23 <artifactId>xmlunit</artifactId>

24 <version>1.6</version>

25 <scope>test</scope>

26 </dependency>

27

28 <dependency>

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

30 <artifactId>system-rules</artifactId>

31 <version>1.16.0</version>

32 <scope>test</scope>

33 </dependency>

34 </dependencies>

35

36 <properties>

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

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

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

40 </properties>

41

42 </project>

43

HospitalManagement/src/main/java/com/spring/app/App.java

1 *package* com.spring.app;

2

3 *import* java.util.Scanner;

4

5 *import* org.springframework.context.ApplicationContext;

6 *import* org.springframework.context.annotation.AnnotationConfigApplicationContext;

7

8 *public* *class* App {

9 *public* *static* *void* main(String[] args) {

10

11

12 ApplicationContext context = *new* AnnotationConfigApplicationContext(AppConfig.*class*);

13 HeadHospital hospital = *null*;

14 Scanner scanner = *new* Scanner(System.in);

15

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

17 *int* choice = scanner.nextInt();

18

19 *if*(choice == 1){

20 // FILL THE CODE HERE

21 hospital=context.getBean(NewYorkHospital.*class*);

22 } *else* *if*(choice == 2){

23 // FILL THE CODE HERE

24 hospital=context.getBean(LosAngelesHospital.*class*);

25 } *else* {

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

27 *return*;

28 }

29 hospital.doDocumentVerification();

30 hospital.provideTreatment();

31 }

32 }

33

HospitalManagement/src/main/java/com/spring/app/AppConfig.java

1 *package* com.spring.app;

2 *import* org.springframework.context.annotation.Bean;

3 *import* org.springframework.context.annotation.ComponentScan;

4 *import* org.springframework.context.annotation.Configuration;

5

6 //Use appropriate annotation

7 @Configuration

8 @ComponentScan(basePackages="com.spring.app")

9 *public* *class* AppConfig {

10

11 //Use appropriate annotation

12 @Bean

13 *public* Document newYorkDocument() {

14

15 Document document = *new* Document();

16 document.setName("Alice");

17 document.setIdProof("Insurance");

18 document.setCondition("Flu");

19

20 *return* document;

21 }

22

23 //Use appropriate annotation

24 @Bean

25 *public* Document losAngelesDocument() {

26

27 Document document = *new* Document();

28 document.setName("Bob");

29 document.setIdProof("ID Card");

30 document.setCondition("Sprain");

31

32 *return* document;

33 }

34 }

35

HospitalManagement/src/main/java/com/spring/app/Document.java

1 *package* com.spring.app;

2

3 *import* org.springframework.stereotype.Component;

4

5 @Component

6 *public* *class* Document {

7

8 *private* String name;

9 *private* String idProof;

10 *private* String condition;

11

12 *public* String getName() {

13 *return* name;

14 }

15 *public* *void* setName(String name) {

16 *this*.name = name;

17 }

18 *public* String getIdProof() {

19 *return* idProof;

20 }

21 *public* *void* setIdProof(String idProof) {

22 *this*.idProof = idProof;

23 }

24 *public* String getCondition() {

25 *return* condition;

26 }

27 *public* *void* setCondition(String condition) {

28 *this*.condition = condition;

29 }

30 }

31

HospitalManagement/src/main/java/com/spring/app/HeadHospital.java

1 *package* com.spring.app;

2

3 *public* *interface* HeadHospital {

4

5 *public* *void* doDocumentVerification();

6

7 *public* *void* provideTreatment();

8 }

9

HospitalManagement/src/main/java/com/spring/app/LosAngelesHospital.java

1 *package* com.spring.app;

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

3 *import* org.springframework.stereotype.Component;

4

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

6 @Component

7 *public* *class* LosAngelesHospital *implements* HeadHospital{

8

9 *private* Document losAngelesDocument;

10

11 //use appropriate annotation

12 @Autowired

13 *public* LosAngelesHospital(Document losAngelesDocument) {

14 *super*();

15 *this*.losAngelesDocument = losAngelesDocument;

16 }

17

18 // FILL THE CODE HERE

19 @Override

20 *public* *void* doDocumentVerification(){

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

22 }

23 @Override

24 *public* *void* provideTreatment(){

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

26 }

27 }

28

HospitalManagement/src/main/java/com/spring/app/NewYorkHospital.java

1 *package* com.spring.app;

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

3 *import* org.springframework.stereotype.Component;

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

5 @Component

6 *public* *class* NewYorkHospital *implements* HeadHospital {

7

8 *private* Document newYorkDocument;

9

10 //use appropriate annotation

11 @Autowired

12 *public* NewYorkHospital(Document newYorkDocument) {

13 //super();

14 *this*.newYorkDocument = newYorkDocument;

15 }

16

17 // FILL THE CODE HERE

18 @Override

19 *public* *void* doDocumentVerification(){

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

21 }

22 @Override

23 *public* *void* provideTreatment(){

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

25 }

26

27 }

28

Grade

Reviewed on Monday, 28 April 2025, 9:30 AM by Automatic grade  
**Grade** 100 / 100  
**Assessment report**  
Test Case Passed