

facadeDesignPatterns - Apache NetBeans IDE 22

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Projects X

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 - Shape.java
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Navigator X

Members <empty>

- ShapeMakerTest
 - ShapeMakerTest()
 - clone(): Object
 - equals(Object obj): boolean
 - finalize()
 - getClass(): Class<?>
 - hashCode(): int
 - notify()
 - notifyAll()
 - setUp()
 - tearDown()
 - testDrawCircle()
 - testDrawRectangle()
 - testDrawSquare()
 - toString(): String

Source History

```
1 package facadedesignpattern;
2
3 import org.junit.After;
4 import org.junit.Before;
5 import org.junit.Test;
6 import static org.junit.Assert.*;
7
8 /**
9  *
10  * @author nisarg
11  * @version 1.0.1
12  */
13 public class ShapeMakerTest {
14
15     public ShapeMakerTest() {
16     }
17
18     @Before
```

Output - facadeDesignPatterns (test) Test Results X

facadedesignpattern.ShapeMakerTest X

Tests passed: 100.00 %

All 3 tests passed. (0.145 s)

drawCircle
Circle::draw()
drawRectangle
Rectangle::draw()
drawSquare
Square::draw()

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School

facadedesignpattern

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PACKAGE CLASS USE TREE INDEX HELP

PACKAGE DESCRIPTION | RELATED PACKAGES | CLASSES AND INTERFACES

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Package facadedesignpattern

package facadedesignpattern

All Classes and Interfaces

Interfaces

Classes

Class	Description
Circle	Circle is a concrete class which implements the shape interface.
FacadeDesignPattern	Demonstrates the Facade Design Pattern.
Rectangle	Rectangle is a concrete class which implements the shape interface.
Shape	This is a Shape Interface Class It contains one method draw().
ShapeMaker	The ShapeMaker is a concrete class with represents the Facade Design Pattern.
Square	Square is a concrete class which implements the shape interface.

Windows Taskbar

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factoryDesignPatterns - Apache NetBeans IDE 22

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ShapeFactory - Navigator

Members

- ShapeFactory
 - ShapeFactory()
 - clone(): Object
 - equals(Object obj): boolean
 - finalize()
 - getClass(): Class<?>
 - getShape(String shapeType): Shape
 - hashCode(): int
 - notify()
 - notifyAll()
 - toString(): String
 - wait()
 - wait(long timeoutMillis)
 - wait(long timeoutMillis, int nanos)

ShapeFactory.java

```
1 package factorydesignpatterns;
2
3 /*
4  * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
5  * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template
6  */
7
8 /**
9  * @author nisarg
10  * @version 1.1
11  */
12 public class ShapeFactory {
13
14     /**
15      * Returns a Shape object based on the given shape type.
16      *
17      * @param shapeType
18      * @return shapeType
```

Output - factoryDesignPatterns (run)

```
run:
Inside Circle::draw() method.
Inside Rectangle::draw() method.
Inside Square::draw() method
BUILD SUCCESSFUL (total time: 0 seconds)
```

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factoryDesignPatterns - Apache NetBeans IDE 22

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ShapeFactory - Navigator

Members

- ShapeFactory
 - ShapeFactory()
 - clone(): Object
 - equals(Object obj): boolean
 - finalize()
 - getClass(): Class<?>
 - getShape(String shapeType): Shape
 - hashCode(): int
 - notify()
 - notifyAll()
 - toString(): String
 - wait()
 - wait(long timeoutMillis)
 - wait(long timeoutMillis, int nanos)

ShapeFactory.java

```
1 package factorydesignpatterns;
2
3 /*
4  * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
5  * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template
6  */
7
8 /**
9  * @author nisarg
10  * @version 1.1
11  */
12 public class ShapeFactory {
13
14     /**
15      * Returns a Shape object based on the given shape type.
16      *
17      * @param shapeType
18      * @return shapeType
```

Output - factoryDesignPatterns (test)

Test Results

factorydesignpatterns.ShapeFactoryTest X

Tests passed: 100.00 %

All 4 tests passed. (0.142 s)

getShape
Inside Circle::draw() method.
Inside Square::draw() method
Inside Rectangle::draw() method.

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PACKAGE

CLASS

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PACKAGE: DESCRIPTION | RELATED PACKAGES | CLASSES AND INTERFACES

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Package factorydesignpatterns

package factorydesignpatterns

All Classes and Interfaces

Interfaces

Classes

Class	Description
Circle	Circle is a concrete class which implements the shape interface.
FactoryDesignPatterns	Main class demonstrating the Factory Design Pattern.
Rectangle	Rectangle is a concrete class which implements the shape interface.
Shape	This is a Shape Interface Class It contains one method draw().
ShapeFactory	
Square	Square is a concrete class which implements the shape interface.

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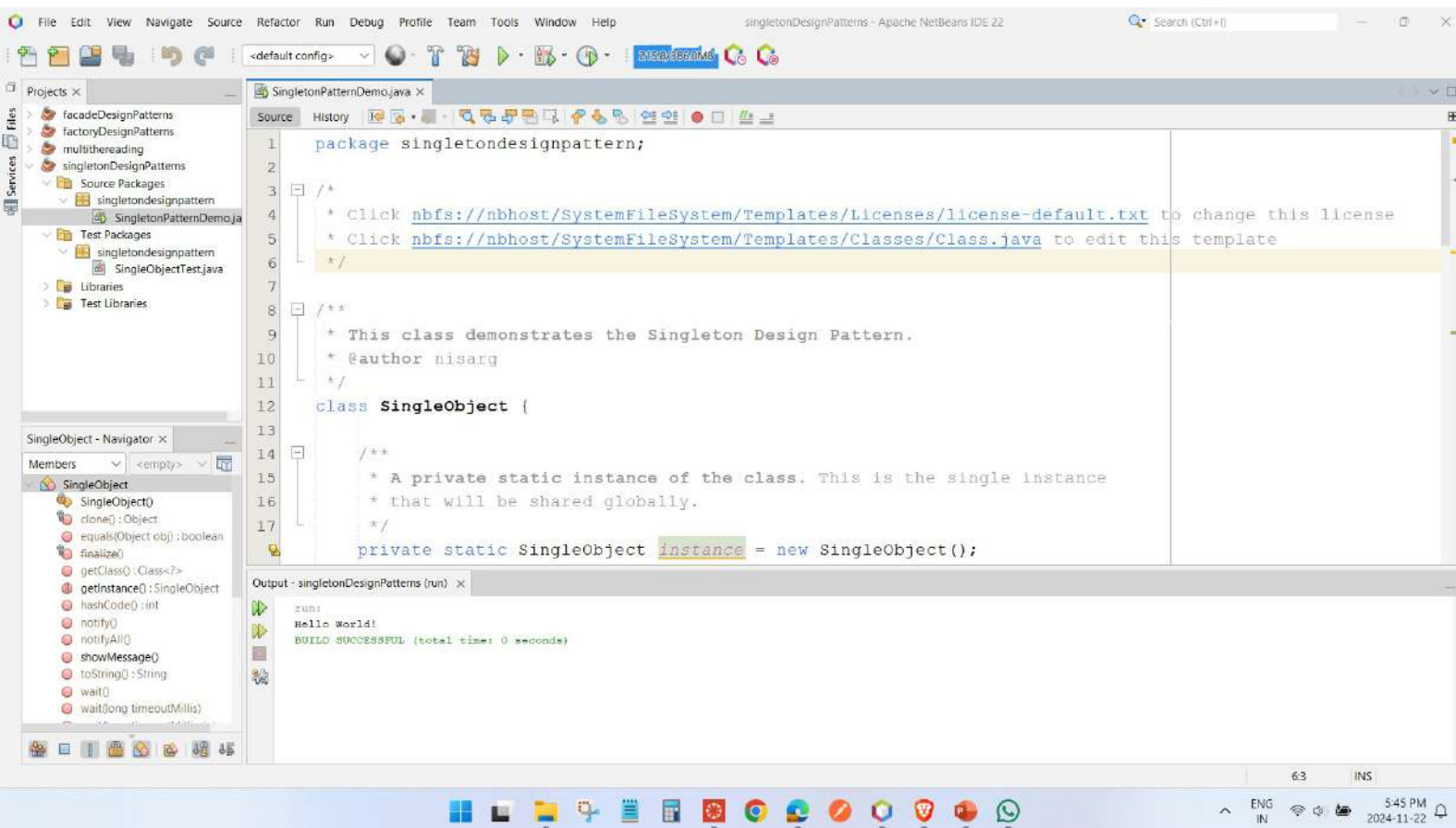
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singletonDesignPatterns - Apache NetBeans IDE 22

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 - SingleObjectTest.java
 - Libraries
 - Test Libraries

SingleObjectTest.java - Navigat...

Members

- SingleObjectTest
 - SingleObjectTest()
 - clone(): Object
 - equals(Object obj): boolean
 - finalize()
 - getClass(): Class<?>
 - hashCode(): int
 - notify()
 - notifyAll()
 - testShowMessage()
 - testSingletonInstance()
 - toString(): String
 - wait()
 - wait(long timeoutMillis)

Source

```
1 package singletonDesignPattern;
2
3 import org.junit.Test;
4 import static org.junit.Assert.*;
5
6 /**
7  * This class contains tests for the SingleObject class to ensure the Singleton Design Pattern works correctly.
8  */
9 public class SingleObjectTest {
10
11     /**
12      * Test to verify that only one instance of SingleObject is created.
13      */
14     @Test
15     public void testSingletonInstance() {
16         // Get two instances of SingleObject
17         SingleObject instance1 = SingleObject.getInstance();
18         SingleObject instance2 = SingleObject.getInstance();
```

Output - singletonDesignPatterns (test)

Test Results

singletonDesignPattern.SingleObjectTest X

Tests passed: 100.00 %

Both tests passed. (0.145 s)

Hello World!

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singletondesignpattern

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PACKAGE: DESCRIPTION | RELATED PACKAGES | CLASSES AND INTERFACES

SEARCH

Package singletondesignpattern

package singletondesignpattern

Classes

Class	Description
SingletonPatternDemo	Singleton Design Pattern by accessing and using the Singleton class.

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