

JBuilder Implement Interface Wizard and Override Methods Wizard

NOTE: This supplemental material may be used at the end of Chapter 8, "Class Inheritance and Interfaces." Implement Interface wizard and Override Methods wizard are available in JBuilder Professional and JBuilder Enterprise.

Using the Implement Interface Wizard

Often you create a class that implements an interface. JBuilder provides the Implement Interface wizard, which can be used to create an interface framework with no coding. The framework contains all the methods in the interface. You need to write the code that implements each method.

Suppose you want to implement the `Comparable` interface in a test program named **Test.java**. Here are the steps in using the Implement Interface wizard:

1. With the project `chapter8.jpr` selected, create `Test.java` using the Class wizard. The new Java file `Test.java` is shown in Figure 1.
2. Choose Wizards, Implement Interface from the main menu bar to display the Implement Interface wizard, as shown in Figure 2.
3. Expand the node `java`, then the node `lang`, and select `Comparable`. Click OK to close the wizard. JBuilder generated the code to implement the `java.lang.Comparable` interface in `Test.java`, as shown in Figure 3.

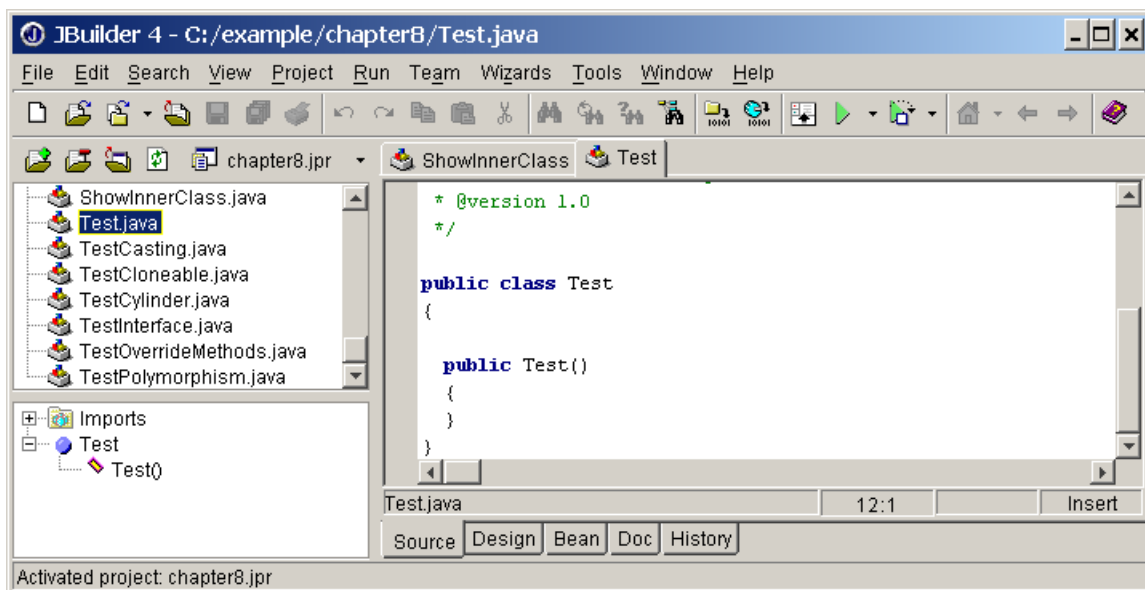


Figure 1

Test.java is shown in the content pane **before** the Implement Interface wizard is applied.

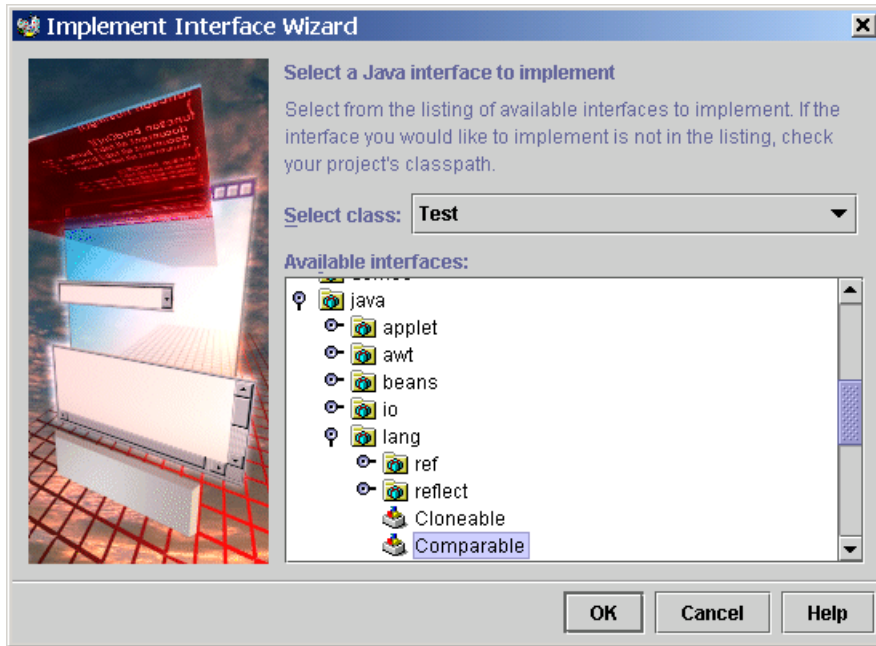


Figure 2

The Implement Interface wizard enables you to choose an interface from all the interfaces available in the source path and the library.

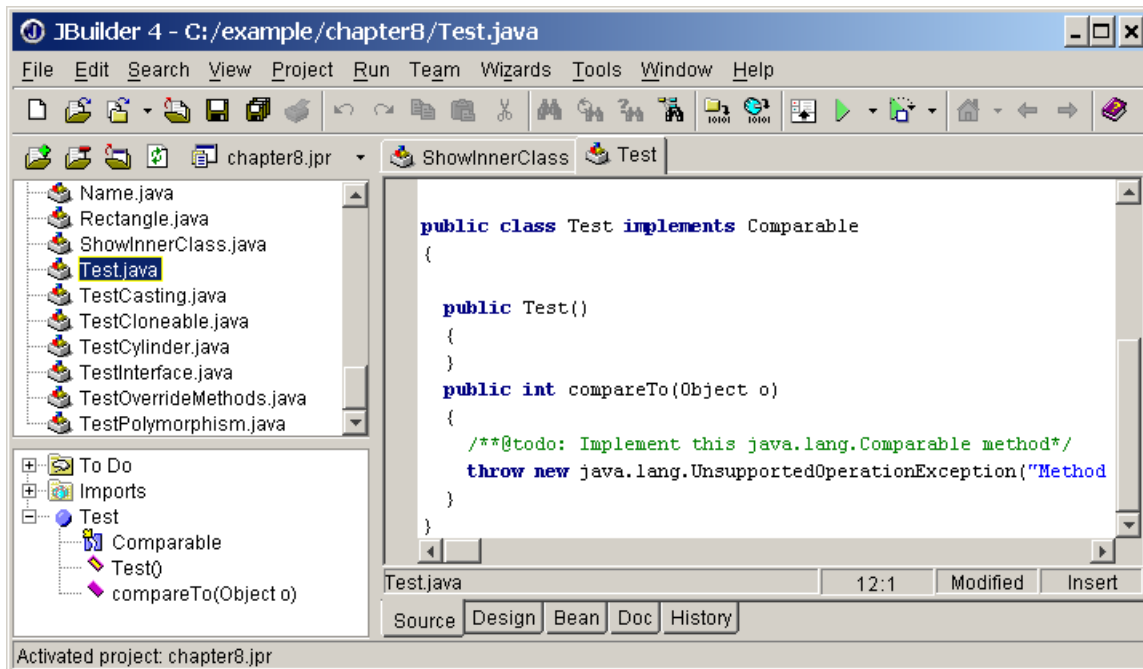


Figure 3

Test.java is as shown in the content pane **after** the **Implement Interface** wizard is applied.

Using the Override Methods Wizard

JBuilder also provides the override methods wizard, which enables you to select a method in a superclass for modification in the subclass. This inserts the method signature at the end of the source code of the subclass. You need to write the code in the method body that overrides it.

Suppose you want to override the `toString()` method of the `Object` class in `Test.java`. Here are the steps in using the Overrides Methods wizard:

1. Select `Test.java` in the project pane, as shown in Figure 3.
2. Choose Wizards, Override Methods from the main menu bar to display the Override methods wizard, as shown in Figure 4. You will see that all the superclasses of `Test` are listed in the wizard.
3. Expand the node titled `java.lang.Object` and select the `toString()` method. Click OK to close the wizard. JBuilder generated the signature for `toString()`, as shown in Figure 5.

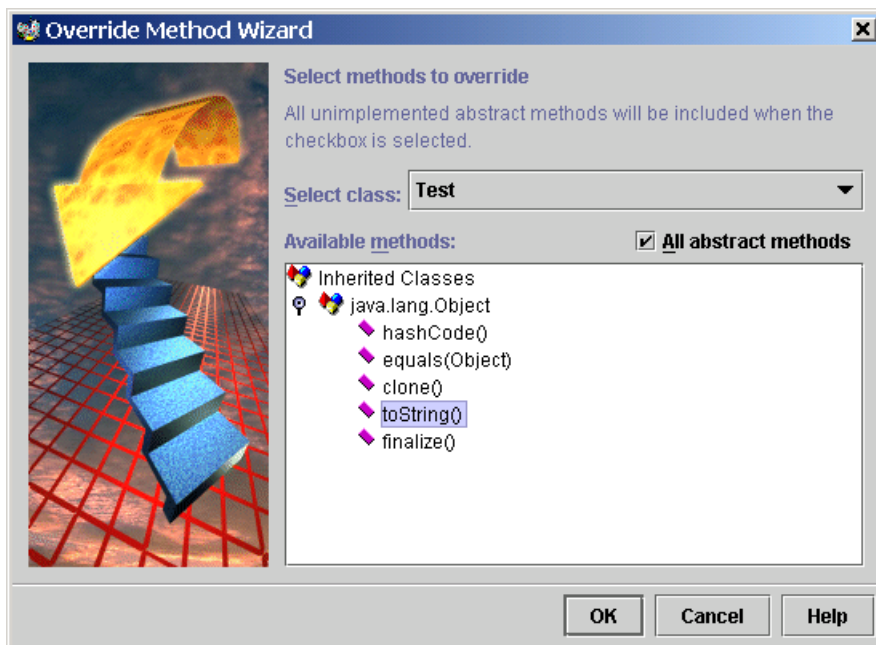


Figure 4

The Override Methods wizard lists all the superclasses and you can choose a method from a superclass to override.

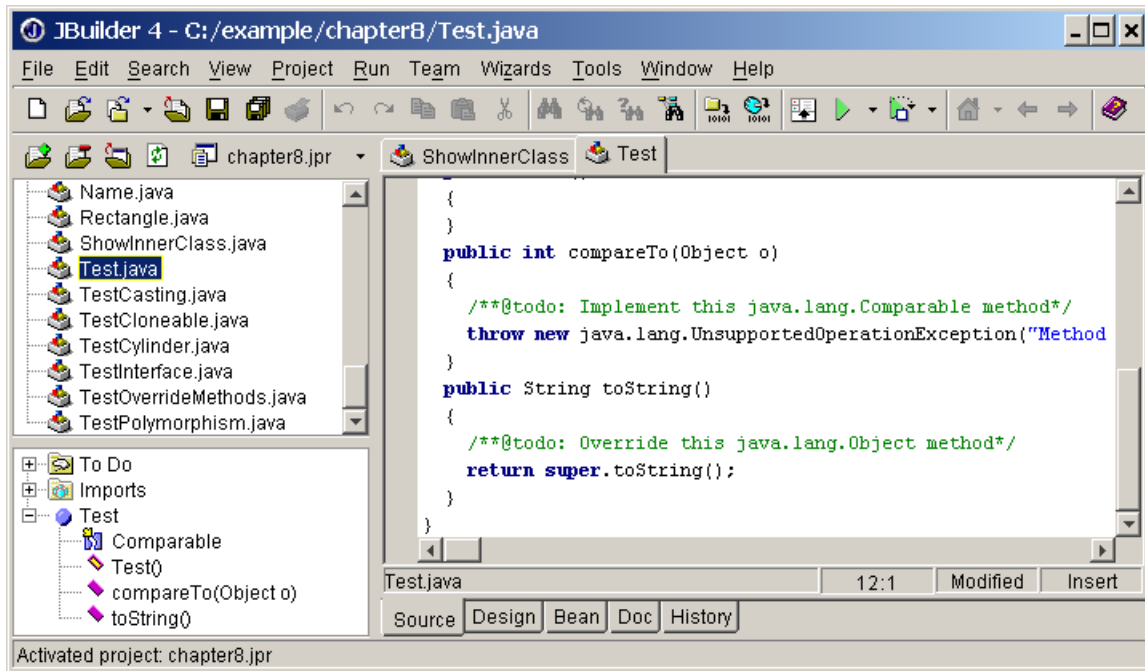


Figure 5

Test.java is shown in the content pane **after** the Override Methods wizard is applied to override the toString() method.

TIP: When creating a class using the Class wizard, you can check the option "Override abstract methods" to generate the code for overriding the abstract methods in the superclass.