

JUnit Test Generator

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JUnit Test Generator

- Content

What is Xunit and JUnit?

How the application would work?

Examples

Screenshots

Questions

What is Xunit and Junit?

- XUnit
 - PHPUnit
 - PyUnit
 - CUnit
 - JUnit

How the application would work?

- First
 - Load Java File
 - Obtain package and imports
 - Recognize class... :
 - Name
 - Attributes
 - Methods and their parameters
 - Constructors and their parameters

How the application would work?

- Second
 - Load data from file (if any)
 - Check if fields and methods matches
 - Add Test Cases
 - Allow the user add, modify and delete Test Cases

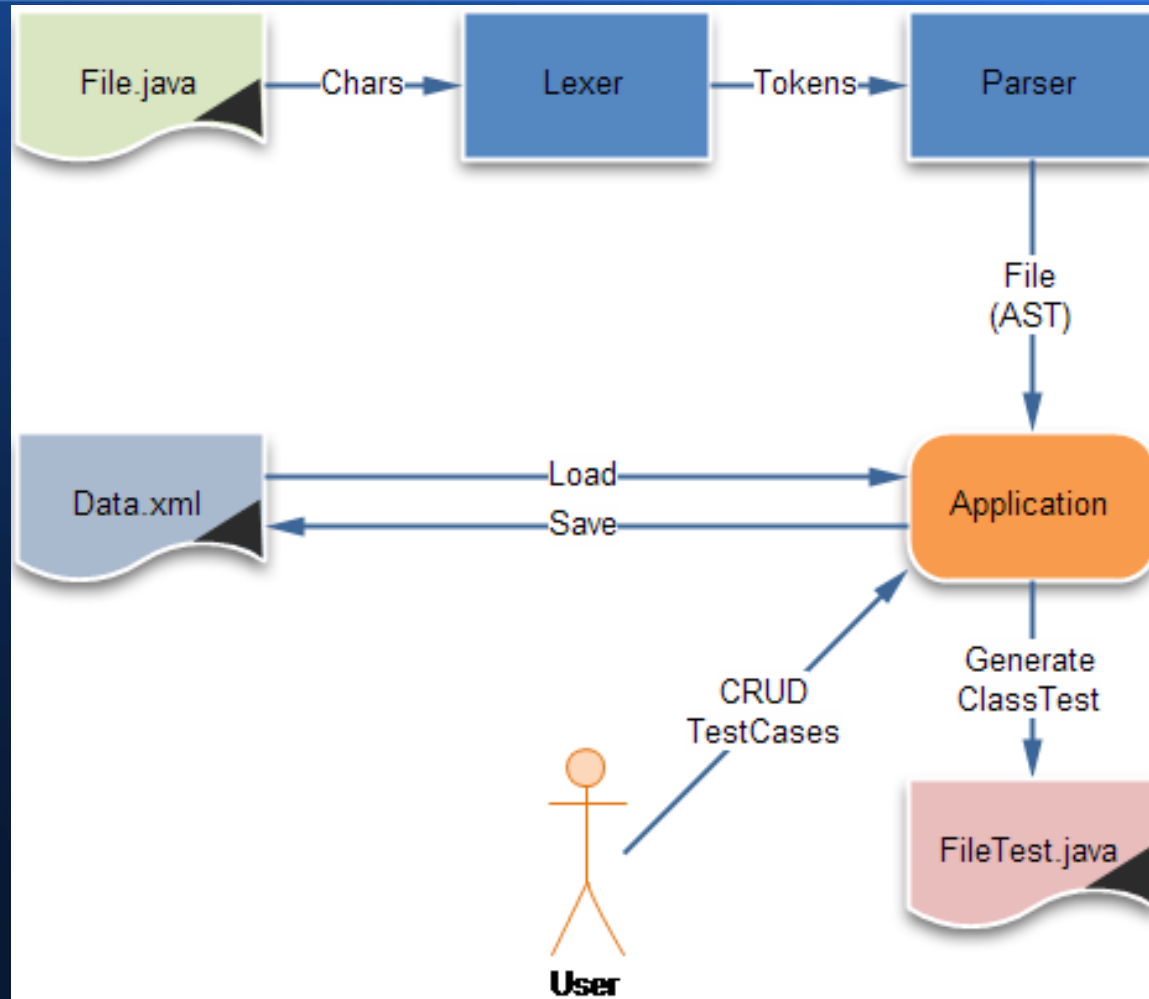
How the application would work?

- Third
 - Generate the Class Test (.java)
 - Run it and prompt the output (success or failure)
- Fourth
 - Save Test Cases in a file

How the application would work?

- Alternative
 - As a wizard
 - Ask the user for...:
 - Methods
 - Attributes
 - Test Cases, etc
 - Generate application skeleton
 - Generate Class Test

How the application would work?



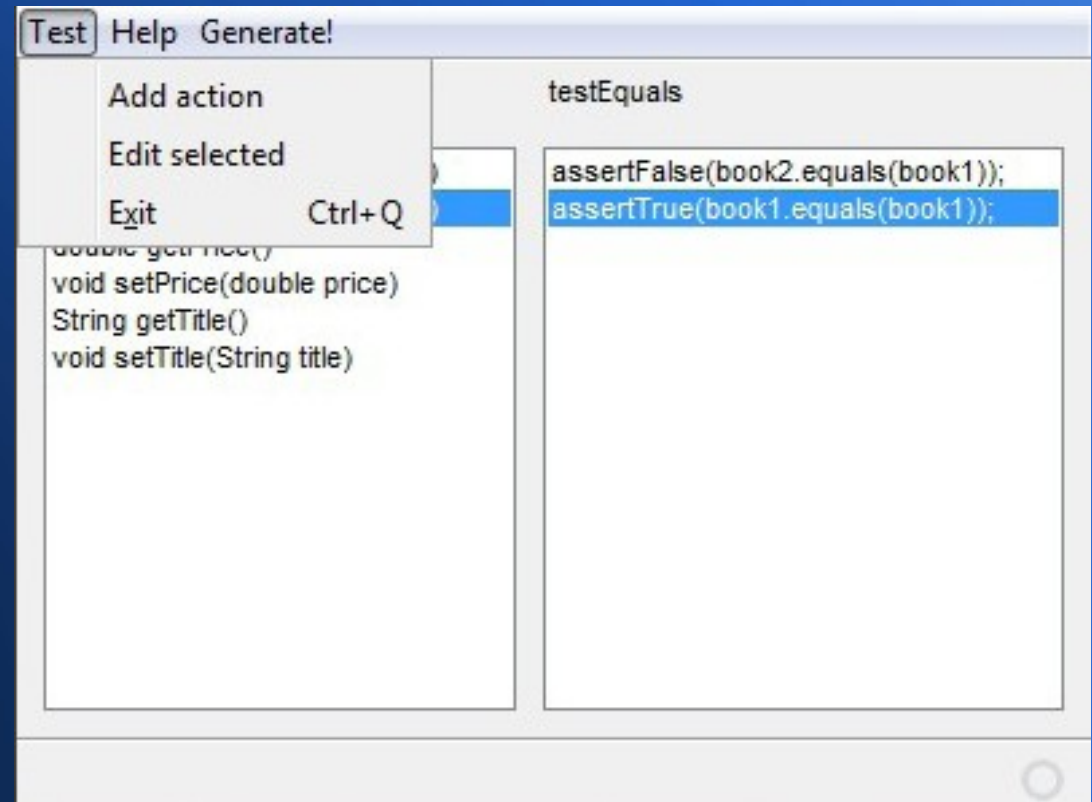
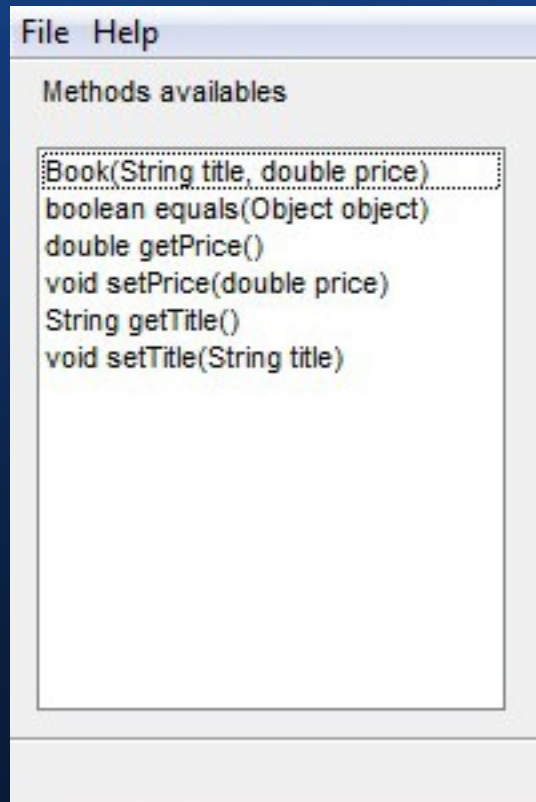
Examples

```
package book;  
  
public class Book {  
  
    private String title;  
  
    private double price;  
  
    public Book(String title);  
  
    public boolean equals(Object object);  
  
    public String getTitle();  
  
    public void setTitle(String title);  
  
}
```

Examples

```
package test.book;  
  
import book.Book;  
  
import junit.framework.*;  
  
public class BookTest extends TestCase{  
  
    private Book book1, book2;  
  
    public BookTest(String name);  
  
    protected void setUp() throws Exception;  
  
    protected void tearDown() throws Exception;  
  
    public void testGetTitle();  
  
    public static Test suite();  
  
}
```

Screenshots



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Thanks for your attention.

Any Questions?

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