

BILTMORE  
**FILEEDITOR**

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**FileEditor**  
v. 1.0.1  
**User Guide**

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# 1 Introduction

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## 1.1 Introduction

FileEditor provides a programmable only text file editor. No gui is available. It supplies most of the features you expect from an editor including selections.

It is useful for advanced code generation and first version created a couple of years ago was made to script a set of special refactorings using BeanShell. It has now been updated and more heavily tested, and released as open source in hope it can be useful for others.

## 2 Maven Usage

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### 2.1 Maven Usage

If you are using maven, add the following to your pom:

```
<project>
  ...
  <repositories>
    ...
    <repository>
      <id>maven-biltmore-se</id>
      <name>Biltmore maven repository</name>
      <url>http://maven.biltmore.se/mavrepl</url>
    </repository>
  </repositories>
  ...
</project>
```

Then add the following dependency:

```
<dependency>
  <groupId>se.biltmore.tools</groupId>
  <artifactId>FileEditor</artifactId>
  <version>1.0</version>
</dependency>
```

Thats it!

## 3 User Guide

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### 3.1 FileEditor

Each instance of `TextFileEditor` can edit one `TextBuffer`. The default constructor creates a `TextFileBuffer` instance. Text buffers can however be gotten and set on a `TextFileEditor` instance, so you can really edit as many buffers you want with the same `TextFileEditor` instance.

`TextBuffer` is an interface implemented by `TextFileBuffer`. The idea was that you could wrap some other object and make it editable (as long as it handles text). I have no idea if that is useful or not, but it was a simple thing to do.

The editor always has a current position within the editor. It starts at 1,1 (column,line). Column and line numbers are 1 based. There is a `Position` class that represent a position that some methods use. There are methods to move the current position up, down, right, and left.

All find methods move the current position to the first character of the found text on success. They also return a boolean to indicate if the find was a success or not so that you can do `if()` on it. Example:

```
if(editor.find("start")) {
    editor.startSelection();
    editor.find("end");
    editor.endSelection();
    editor.replaceSelectionWithTextBuffer(newTextBuff);
}
```

You can check if the current position is on first column, first line, last column, or last line.

All `find*()` methods search criteria are regular expressions.

You can mark a text block as selected. You can do `selectToMatching(char start, char end)` which will select to the next 'end' character at level 0. Level is incremented on start and decremented on end.

Example:

```
selectToMatching('(', ')');
```

You can find and replace text within the buffer. You can replace a selection. You can replace a line.

You can insert lines. You can insert another file by loading it into a separate buffer and then inserting the buffer.

You can delete words, lines, and selections.

You can get a line or a word.

Creating an editor and loading a file into it:

```
TextFileEditor editor = new TextFileEditor();
editor.load("some.file");

...

editor.save();
```

If you want to create an editor instance, pass it to some user script that will manipulate the text in the editor, but want to inhibit the script to load other files or to save the changes, do:

```
editor.setAllowLoadSave(false);
```

But remember to set it back to true again before you save it! This is of course not fail safe since the script can also call `setAllowLoadSave()`.

Here is an example of usage copied from another tool where I use `FileEditor` to update source code:

```
if (!editor.find("import " + annotationsPkg + ".")) {
    System.out.println("    Adding 'import " + annotationsPkg + ".*'");
    if (!editor.find("^import")) {
        if (editor.find("package")) {
            editor.insertLine("");
        }
    }
    else {
        editor.findLast("^import");
    }
    editor.insertLine("import " + annotationsPkg + ".*");
}
editor.moveToTopOfFile();
if (!editor.find("import " + enumsPkg + ".Source")) {
    editor.find("import " + codelicmgrPkg);
    System.out.println("    Adding 'import " + enumsPkg + ".Source'");
    editor.insertLine("import " + enumsPkg + ".Source;");
}
```

There is not much more to say about this. See the javadoc, it shows all available functionality.



## 4 Project Reports

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### 4.1 Project Information

This document provides an overview of the various documents and links that are part of this project's general information. All of this content is automatically generated by **Maven** on behalf of the project.

#### 4.1.1 Overview

Document	Description
<a href="#">Project License</a>	This is a link to the definitions of project licenses.
<a href="#">Project Team</a>	This document provides information on the members of this project. These are the individuals who have contributed to the project in one form or another.
<a href="#">Issue Tracking</a>	This is a link to the issue management system for this project. Issues (bugs, features, change requests) can be created and queried using this link.
<a href="#">Source Repository</a>	This is a link to the online source repository that can be viewed via a web browser.
<a href="#">Dependencies</a>	This document lists the project's dependencies and provides information on each dependency.

## 5 Project License

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### 5.1 Overview

Typically the licenses listed for the project are that of the project itself, and not of dependencies.

### 5.2 Project License

#### 5.2.1 Apache 2.0

[Original text]

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## 6 Project Team

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### 6.1 The Team

A successful project requires many people to play many roles. Some members write code or documentation, while others are valuable as testers, submitting patches and suggestions.

The team is comprised of Members and Contributors. Members have direct access to the source of a project and actively evolve the code-base. Contributors improve the project through submission of patches and suggestions to the Members. The number of Contributors to the project is unbounded. Get involved today. All contributions to the project are greatly appreciated.

#### 6.1.1 Members

The following is a list of developers with commit privileges that have directly contributed to the project in one way or another.

Name	Email
Tommy Svensson	<a href="mailto:opensource@biltmore.se">opensource@biltmore.se</a>

#### 6.1.2 Contributors

There are no contributors listed for this project. Please check back again later.



## 7 Issue Tracking

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### 7.1 Overview

This project uses sourceforge to manage its issues.

### 7.2 Issue Tracking

Issues, bugs, and feature requests should be submitted to the following issue tracking system for this project.

```
http://sourceforge.net/projects/fileeditor/support
```

## 8 Source Repository

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### 8.1 Overview

This project uses a Source Content Management System to manage its source code.

### 8.2 Web Access

The following is a link to the online source repository.

```
http://fileeditor.hg.sourceforge.net/hgweb/fileeditor/
```

### 8.3 Anonymous access

Refer to the documentation of the SCM used for more information about anonymously check out. The connection url is:

```
http://fileeditor.hg.sourceforge.net:8000/hgroot/fileeditor/fileeditor
```

### 8.4 Developer access

Refer to the documentation of the SCM used for more information about developer check out. The connection url is:

```
ssh://user@fileeditor.hg.sourceforge.net/hgroot/fileeditor/fileeditor
```

### 8.5 Access from behind a firewall

Refer to the documentation of the SCM used for more information about access behind a firewall.

## 9 Dependencies

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### 9.1 Project Dependencies

#### 9.1.1 compile

The following is a list of compile dependencies for this project. These dependencies are required to compile and run the application:

GroupId	ArtifactId	Version	Type
se.biltmore.tools.codelicmg	CodeLicenseManager-annotations-retention-source	1.0	jar

#### 9.1.2 test

The following is a list of test dependencies for this project. These dependencies are only required to compile and run unit tests for the application:

GroupId	ArtifactId	Version	Type
junit	junit	3.8.1	jar

### 9.2 Project Transitive Dependencies

No transitive dependencies are required for this project.

### 9.3 Project Dependency Graph

#### 9.3.1 Dependency Tree


- se.biltmore.tools.fileeditor:FileEditor:jar:1.0.1 

FileEditor

**Description:** Provides a programmable only text file editor. No gui is available. It supplies most of the features you expect from an editor including selections.

**URL:** <http://fileeditor.sourceforge.net/>


**Project License:** [Apache 2.0](#)

- se.biltmore.tools.codelicmgr:CodeLicenseManager-annotations-retention-source:jar:1.0 (compile) 

#### CodeLicenseManager-annotations-retention-source

**Description:** Manages project and license information in project sourcecode and provides license text files for inclusion in builds. Supports multiple languages and it is relatively easy to add a new language and to make your own custom source code updater.

**Project License:** [Apache 2.0](#)

- junit:junit:jar:3.8.1 (test) 

#### JUnit

**Description:** JUnit is a regression testing framework written by Erich Gamma and Kent Beck. It is used by the developer who implements unit tests in Java.

**URL:** <http://junit.org>

**Project License:** [Common Public License Version 1.0](#)

## 9.4 Licenses

**Common Public License Version 1.0:** JUnit

**Apache 2.0:** CodeLicenseManager-annotations-retention-source, FileEditor

## 9.5 Dependency File Details



Filename	Size	Entries	Classes	Packages	JDK Rev	Debug
junit-3.8.1.jar	118.23 kB	119	100	6	1.1	debug
CodeLicenseMa annotations- retention- source-1.0.jar	6.89 kB	21	8	2	1.5	debug
<b>Total</b>	<b>Size</b>	<b>Entries</b>	<b>Classes</b>	<b>Packages</b>	<b>JDK Rev</b>	<b>Debug</b>
2	125.13 kB	140	108	8	1.5	2

compile: 1	compile: 6.89 kB	compile: 21	compile: 8	compile: 2	-	compile: 1
test: 1	test: 118.23 kB	test: 119	test: 100	test: 6	-	test: 1

## 9.6 Dependency Repository Locations

Repo ID	URL	Release	Snapshot
maven-biltmore-se	<a href="http://maven.biltmore.se/mavrep1">http://maven.biltmore.se/mavrep1</a>	Yes	Yes
central	<a href="http://repo1.maven.org/maven2">http://repo1.maven.org/maven2</a>	Yes	-

Repository locations for each of the Dependencies.

Artifact	maven-biltmore-se	central
junit:junit:jar:3.8.1	-	
se.biltmore.tools.codelicmgr:CodeLic annotations-retention-source:jar:1.0		-
Total	maven-biltmore-se	central
2 (compile: 1, test: 1)	1	1