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It’s a big RCP application

- 45 plugins
- 23 test plugins
- 5 fragments
- 10 features
- 67k lines of code
- 65k lines of test code
Latin America’s biggest production company
Our client: Paulo Morelli
Agile: Continuous Integration
Early version: 3 months in

Malasartes agarra a galinha. Segura as patas com uma mão e prende no suvaco. Dá um apertão.

A ave desespera. Malasartes espreme sucessivas vezes até que ela bota um OVO. Joga a galinha por cima do ombro e segue brincando com o ovo.

MOMENTOS MAIS TARDE

Ovo é quebrado na borda da panela.

Malasartes à beira da estrada, de cócoras, frita o ovo na panela velha apoiada num pequeno brasileiro.

Pela estrada vem Zé Candinho.

Quando o vê, Malasartes cobre as brasas com terra e finge que frita o ovo sem fogo algum.

ZÉ CANDINHO

Ara, só! Que moda é essa de fritar sem fogo? Nunca vi nessa vida!

MALASARTES

Nunca viu purgê não tinha a panela certa. Ela frita, assa,
Eclipse Goodies: StyledText

Package org.eclipse.swt.custom

Class StyledText

extends Canvas

A StyledText is an editable user interface object that displays lines of text. The following style attributes can be defined for the text:

- foreground color
- background color
- font style (bold, italic, bold-italic, regular)
- underline
- strikeout
ATO
SEQ

EXT. CÉU - AMANHECER
O céu estrelado. Formações de nuvens definem a curvatura da Terra. Abaixo, o mar.
Suavemente as nuvens se aproximam e passam. Relevo montanhoso, infundível planície e cordilheira.
Um vulto humano voa com naturalidade. É ESCULÁPIO gordo que carrega papéis que ameaçam escaparem para trás e resmunga.

ESCULÁPIO
Vamos chefe, vamos!
Par de botas cobertas por tecido tremulante de direção à Terra. Mão descarnada segura grande negras escondem o terrível rosto da MORTE.

O rosto de caveira lentamente se transforma no homem de uns 40 anos.

DESTINO/LIBERDADE

Os dois seres se aproximam de humilde vila com uma ponte de pedra, por onde passa um rio. Do outro lado, uma estradinha leva até um casebre de pau-a-pique.
Ao lado da casa, uma grande árvore. Os dois se aproximam rapidamente. Esculápio, traplhão, esbarra na riscocheteia, batendo na Morte. Os dois se desviam direto ao chão numa nuvem de poeira.

Morte, elegante como está, relâ ou chegar-se...
But it doesn’t do everything

- Header
- Footer
- Pages
- Export to PDF
- Zoom
- Variable margins
- Flexible Soft-wrap
- Break paragraph
- Paragraph spacing
- Count lines
- WYSIWYG
Rich Text Editor

Currently the only way to get rich text editing capabilities inside Eclipse RCP application is to use native browser widget. This is powerful but not very flexible solution.

The goal of Rich Text Editor project is to create WYSIWYG Markup editor, which will be based on StyledText widget and will allow basic HTML authoring, as well as will support most of features from jface text editing infrastructure.

Project Links: Project Documentation, Highlevel Roadmap, Downloads, Screencast, Contacts
Solution: extend Eclipse’s components
HAMLET
He poisons him i' the garden for's estate. His name's Gonzago: the story is extant, and writ in choice
(MORE)

by agilbits 11/1/11

HAMLET (CONT'D)
Italian: you shall see anon how the murderer gets the love of Gonzago's wife.

OPHELIA
The king rises.

HAMLET
What, frighted with false fire!

QUEEN GERTRUDE
How fares my lord?

LORD POLONIUS
Give o'er the play.

KING CLAUDIUS
Give me some light: away! All Lights, lights, lights!
Agile: Late Optimization
ExtendedStyledText: API

Create and configure ExtendedStyledText

```
@Override
public void createPartControl(Composite parent) {
    styledText = new ExtendedStyledText(parent, SWT.WRAP);
    styledText.setExternalBackgroundColor(Display.getDefault().getSystemColor(SWT.COLOR_BLACK));

    SampleContent newContent = new SampleContent();
    styledText.setContent(newContent);

    PageInformation pageInformation = PageInformationFactory.getLetterPage();
    pageInformation.setTopMargin(1.5);
    pageInformation.setBottomMargin(1.5);

    SamplePageBreakRenderer pageRenderer = new SamplePageBreakRenderer();
    styledText setPageInformation(pageInformation, pageRenderer);
}
```
ExtendedStyledText: API

Set the content that implements:
ExtendedStyledText: API

For Headers and Footers:

```
org.eclipse.swt.custom
import declarations
DecorationRenderer
  drawHeader(GC, ExtendedStyledText, int, int, Rectangle) : void
  decorateLine(GC, int, Point, TextLayout, Rectangle) : void
  drawFooter(GC, ExtendedStyledText, int, int, Rectangle) : void
```

You can also decorate lines

HAMLET
He poisons him i' the garden for's estate. His name's Gonzago: the story is extant, and writ in choice
(MORE)

HAMLET (CONT'D)
Italian: you shall see anon how the murderer gets the love of Gonzago's wife.
ExtendedStyledText: API

To use as an Editor

- Use a custom IDocumentAdapter

```java
@Override
protected IDocumentAdapter createDocumentAdapter() {
    return new SampleContent();
}
```
Open Source: we love it!

https://github.com/thoughtworks/eclipse_editor_widget

<table>
<thead>
<tr>
<th>name</th>
<th>age</th>
<th>message</th>
</tr>
</thead>
<tbody>
<tr>
<td>br.com.agilbits.sample.editor/</td>
<td>2 days ago</td>
<td>Possibly enabling printing again. [thenano]</td>
</tr>
<tr>
<td>br.com.agilbits.swt.extension.tests/</td>
<td>3 days ago</td>
<td>removing binary files from git [thenano]</td>
</tr>
<tr>
<td>br.com.agilbits.swt.extension/</td>
<td>3 days ago</td>
<td>removing binary files from git [thenano]</td>
</tr>
<tr>
<td>org.mockito.plugin/</td>
<td>4 days ago</td>
<td>moving svn into github [thenano]</td>
</tr>
<tr>
<td>.gitignore</td>
<td>1 day ago</td>
<td>git ignore [thenano]</td>
</tr>
<tr>
<td>README</td>
<td>1 day ago</td>
<td>adding readme [Ale]</td>
</tr>
</tbody>
</table>
Eclipse Goodies: Feature based Product

Meet the Story Touch family

Each Story Touch product is an evolution in scriptwriting. You will discover resources that will change the way you write.

- **BASIC**
  - Basic scriptwriting tools.
  - **FREE**
    - R$0,00
    - Create scenes, dramatic units, acts and sequences. Write and accompany evolution of macro structure, values and emotions.

- **ANALYST**
  - Overall view of screenplay.
  - **US$90***
    - R$150,00
    - Visualize screenplay through graphs, change the place of a scene, accompany the film’s tone and rhythm.

- **WRITER**
  - More control over end result.
  - **US$180***
    - R$300,00
    - Balance film’s tone and rhythm, change the places of various scenes, determine scene’s time and other information.

- **TOP**
  - Complete editing power at your fingertips.
  - **US$270***
    - R$450,00
    - Control various scenes at the same time. Get general view of the script. Edit acts, sequences and scenes in one window.
Eclipse Goodies: P2
Eclipse Goodies: Perspectives
Eclipse Goodies: Perspectives

LORD POLONIUS
Give o'er the play.

KING CLAUDIUS
Give me some light: away! All
Lights, lights, lights!

Exeunt all but HAMLET and HORATIO

HAMLET
Why, let the stricken deer go weep,
The hart ungalled play; For some
must watch, while some must sleep:
So runs the world away. Would not
Eclipse Goodies: i18n
Eclipse Goodies: Dynamic Contribution Items
Eclipse Goodies: Auto Complete

BERNARDO
It would be spoke to.

MARCELLUS
Question it, Horatio.

HORATIO
What art thou that usurp'st this time of night, Together with that fair and warlike form In which the majesty of buried Denmark Did sometimes march? by heaven I charge thee, speak!

MARCELLUS
It is offended.

BERNARDO
It would be spoke to.

MARCELLUS
Question it, Horatio.

HORATIO
What art thou that usurp'st this time of night, Together with that fair and warlike form In which the majesty of buried Denmark Did sometimes march? by heaven I charge thee, speak!

MARCELLUS
It is offended.
Eclipse Goodies: Themes
Eclipse Goodies: Themes
Eclipse Goodies: Undo and Redo

CTRL+Z!
CTRL+Z!!
Eclipse Goodies: Community

When navigating through wrapped text on the StyledText, the behave across the line and the one from moving to the end of the line are not correct.

If the caret is set (through mouse click or arrow) to the end of a line, hitting right arrow will move it to the position before the character of the next line.

If the caret is set (through doLineInd triggers) to the end of a line, hitting right arrow will move it to the position after the character.

Attachments

- **Java example code.** (1.52 KB, text/plain)
  - 2011-03-21 15:33 EDT, Hugo Carubbi
- **screen shot of the results produced by the example code.** (31.28 KB, image/png)
  - 2011-03-21 15:31 EDT, Hugo Carubbi
- **proposed patch to fix the problem** (792 bytes, patch)
  - 2011-03-21 16:35 EDT, Hugo Carubbi

Add an attachment (proposed patch, testcase, etc.)
Agile: TDD
Agile: Functional Tests
Agile: Tracking Technical Debt
Agile: Refactoring
Agile: Pair Programming
Agile: Prioritizing

LET ME KNOW WHICH GROUP I SHOULD STOP WORKING ON.

ESSENTIAL CRITICAL MUST-HAVE
Agile: Close interaction with end users
Present State

ThoughtWorks®
Collaborate!

https://github.com/thoughtworks/eclipse_editor_widget

• USE IT!
• 6 FIXMEs
• 5 TODOs
• Testing
• More Testing
• Support for RTF Cut & Paste
• More Page Sizes
• Images
Thank You

Questions ???

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