plantuml-babel.org

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Contents

1 Links

- `http://plantuml.sourceforge.net/`

- my local copy of the language reference

2 Information on the local installation

```
echo "Emacs variable org-plantuml-jar-path:$jpath\n\n"
if test ! -r "$jpath"; then
    echo "ERROR: Cannot read the file"
```

```
    return
fi
java -jar "$jpath" -version
echo
java -jar "$jpath" -checkversion
```

2.1 Help text

```
java -jar "$jpath" -help
```
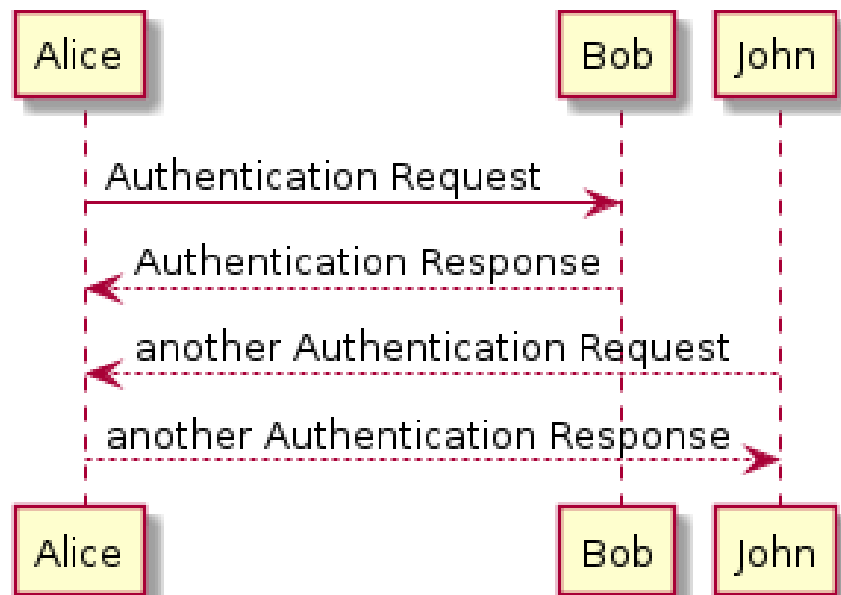
3 Tests

3.1 simple test

```
' this is a comment
Alice -> Bob: Authentication Request
Bob --> Alice: Authentication Response
John --> Alice: another Authentication Request
Alice --> John: another Authentication Response
```

3.2 simple test with SVG graphic

The *svg* package uses inkscape to separate the text and graphical elements of the SVG into a Tex file (*.pdf$_{\text{tex}}$) and a PDF file containig the graph elements. E.g. svg-sequence1.svg into svg-sequence1.pdf$_{\text{tex}}$ and svg-sequence1.pdf.

Currently, SVG pictures can only be rendered correctly, **if the picture is in the same directory** as the tex (and therefore also org q) source file.

```
' this is a comment
Alice -> Bob: Authentication Request
Bob --> Alice: Authentication Response
John --> Alice: another Authentication Request
Alice --> John: another Authentication Response
```
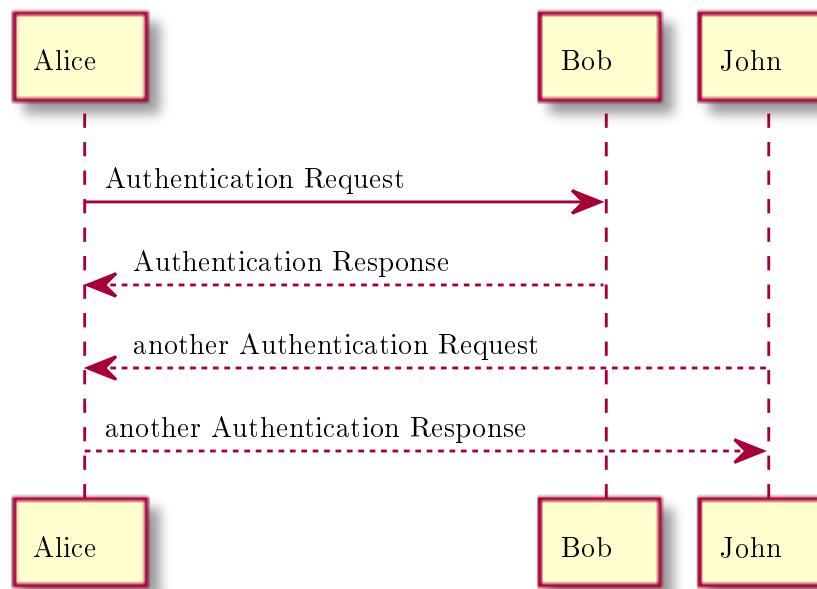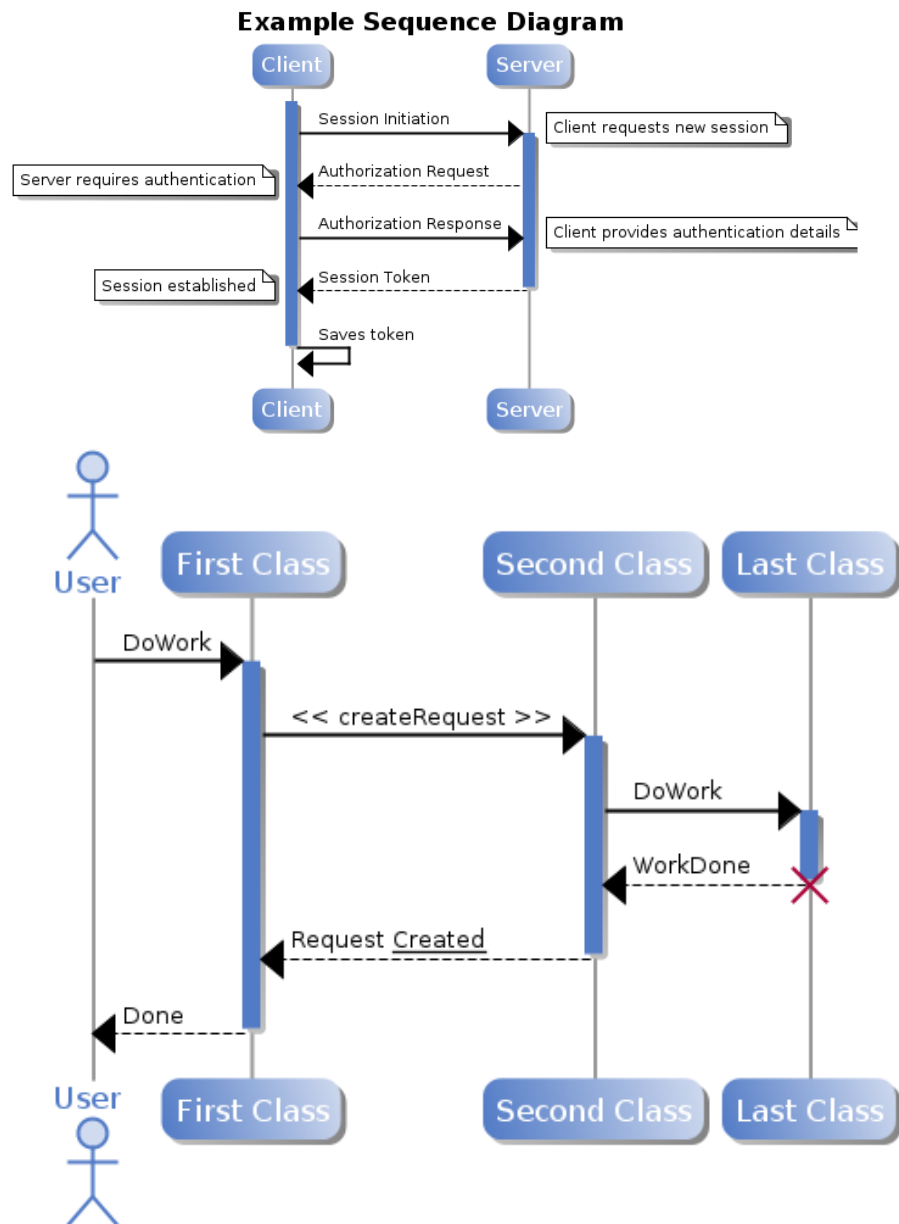
3.3   sequence diagrams

Example Sequence Diagram
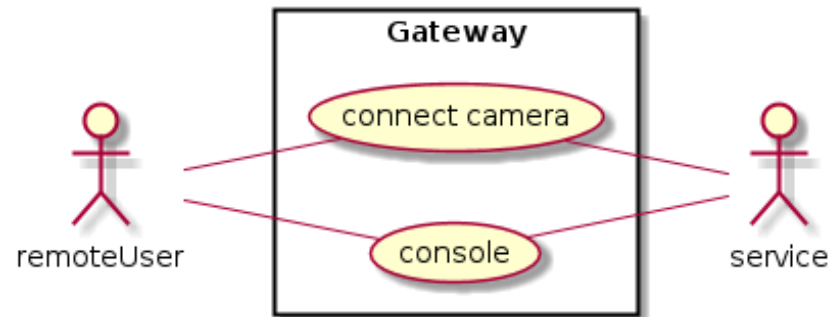
3.4 old style activity diagrams

Example Activity Diagram

Example Function

Step 1

Step 2 → Step 3

Step 4   For each element in the array   Increment counters

Are we done?

no   Do this   Do that

yes

Important note goes here

Last Step

Servlet Container

```
● (start)
      │
      ▼
ClickServlet.handleRequest()
      │
      ▼
  new Page
      │
Page.onSecurityCheck
      ◇────true───▶ Page.onInit()
      │                  │
    false          isForward?
      │              ◇───no───▶ Process controls
      │              │                │
      │             yes      continue processing?
      │              │              ◇
      │              │              │ yes
      │              ▼              │
      │         ━━━━━━━━━━━━━━◀──────┘
      │          is Post?
      │              ◇
      │         yes  │  no              no
      │         ┌────┘  └────┐           │
      │         ▼            ▼           │
      │   Page.onPost()  Page.onGet()    │
      │         │            │           │
      │         ▼            ▼           │
      │      Page.onRender()             │
      │              │                   │
      ▼              ▼                   │
     ━━━━━━━━━━━━━━━━━━◀─────────────────┘
       Do redirect?
           ◇──────────yes──────────▶ redirect request
           │                              │
       Do Forward?                        │
Forward request ◀─yes─◇─no─▶ Render page template
           │             │                │
           ▼             ▼                ▼
          ━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━
                        │
                        ▼
                 Page.onDestroy()
                        │
                        ▼
                       ◉ (end)
```
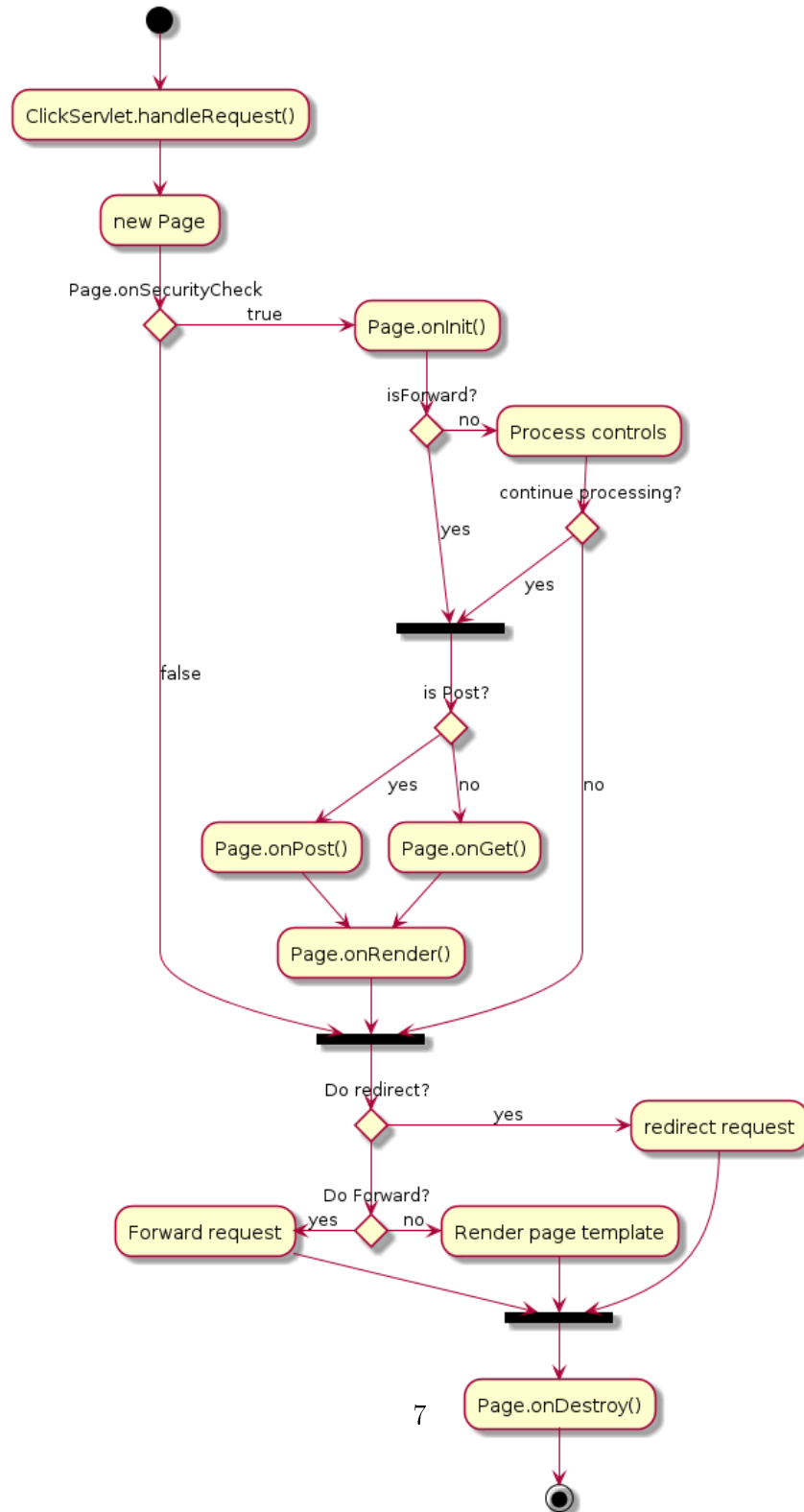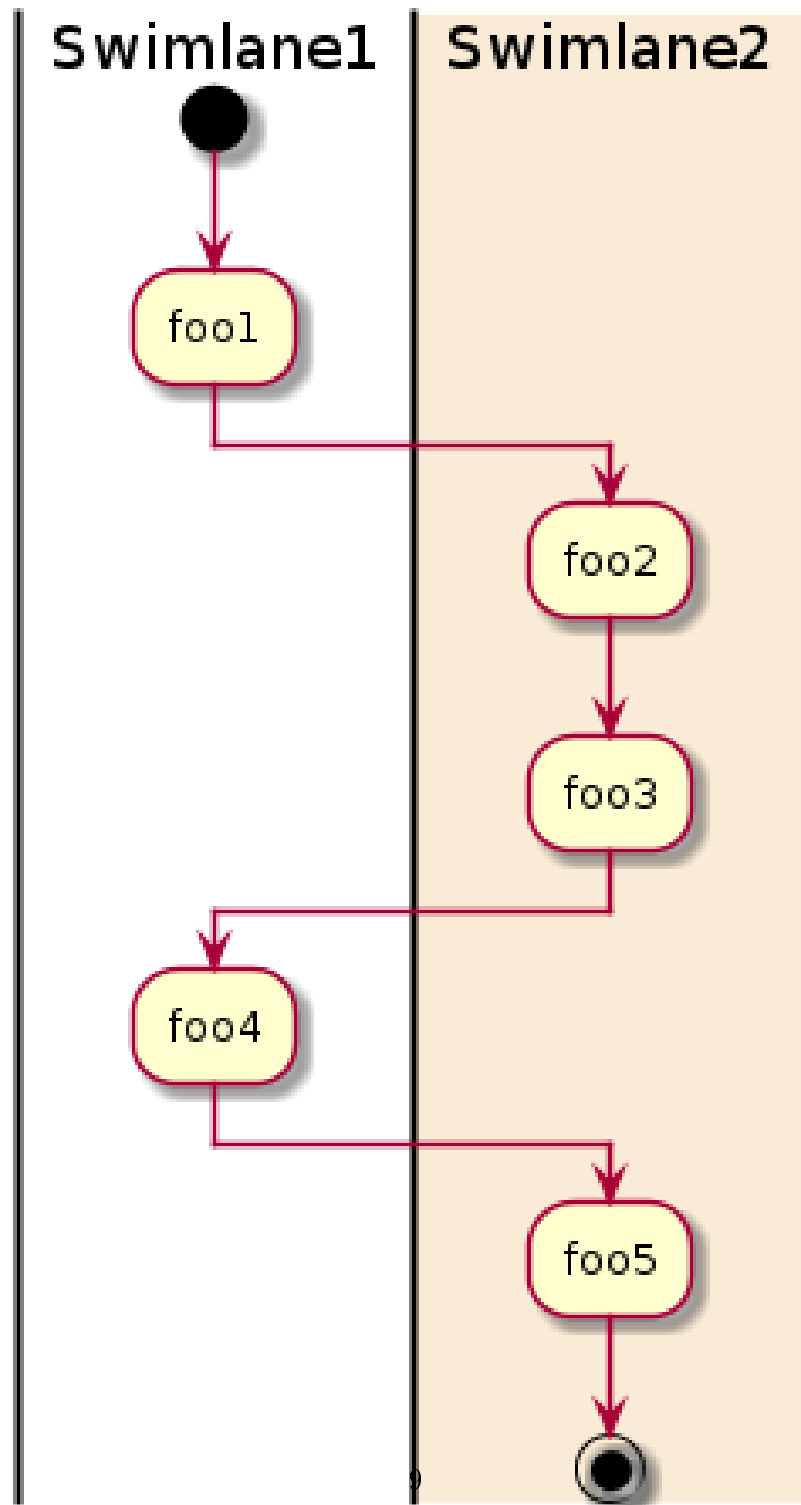
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3.5   new style activity diagrams

- http://plantuml.sourceforge.net/activity2.html

3.5.1   swimlanes

Swimlanes actually are activity diagrams using the new syntax.

3.6   Class diagram

`http://plantuml.sourceforge.net/classes.html`
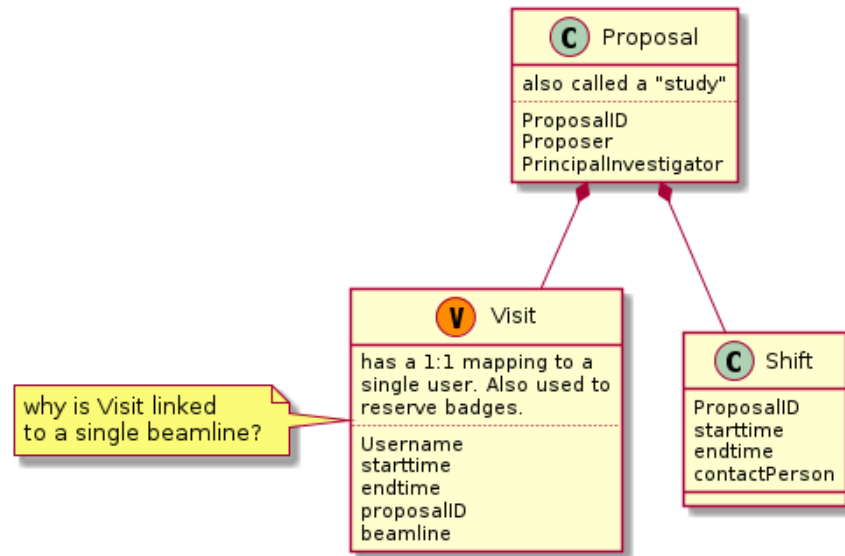
4   TODO

- example for scaling `scale 800*600`