Salt

Salt 是 PlantUML 下面的子项目用来帮助用户来设计图形接口。

可以用 `@startsalt` 关键字，或者使用 `@startuml` 紧接着下一行使用 `salt` 关键字。

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基本部件

一个简口必须以中括号开头和结尾。 接着可以这样定义:

- 按钮用：和 ,,
- 单选按钮用：和 ,,
- 复选框用：和 ,,
- 用户文字域用 ",

```
@startuml
salt
{
  Just plain text
  [This is my button]
  () Unchecked radio
  (X) Checked radio
  [ ] Unchecked box
  [X] Checked box
  "Enter text here   "
  "This is a droplist"
}
@enduml
```

这个工具是用来讨论简单的示例窗口。

使用表格

当在输入关键词 . 后，会自动建立一个表格

当输入 | 说明一个单元格

例子如下

```
@startuml
salt
{
  Login    | "MyName   "
  Password | "****      "
  [Cancel] | [ OK ]
}
@enduml
```


在此用关键词后，你可以使用以下字符来给制表格中的线及列：

Symbol	Result
+	显示所有垂直水平线
|	显示所有垂直线
-	显示所有水平线
#	显示外框线

```
@startuml
salt
{
  Login    | "MyName   "
  Password | "****      "
  [Cancel] | [ OK ]
}
@enduml
```

Group box

more info

```
@startuml
"My group box"
Login    | "MyName   "
Password | "****      "
[Cancel] | [ OK ]
@enduml
```

使用分隔符

你可以使用几条横线来分分隔符

```
@startuml
salt
{
  Text1
  ..
  "Some field"
  ==
  Note on usage
  ~~
  Another text
  --
  [Ok]
}
@enduml
```

树形外挂

使用树结构，你必须要 ^ 进行起始，然后使用 - 定义层次。

```
@startuml
{
^ World
** America
*** Canada
*** USA
**** New York
**** Boston
*** Mexico
** Europe
*** France
*** Germany
**** Berlin
** Africa
}
@enduml
```

Enclosing brackets

You can define subelements by opening a new opening bracket.

```
@startuml
class Name {
  +
Name
Modifiers: { }{ public | - private | # protected
  }{ abstract | } final | } static |
Superclass: { } "java.lang.Object" }{ }Annotations: { }
}
@enduml
```

添加选项卡

你可以通过 : 标记增加对应的选项卡。注意：可以使用HTML代码来增加粗体效果。

```
@startuml
{
  {/ General | Fullscreen | Behavior | Saving }
  .
  Open image in: [ Smart Mode ]
  [X] Smooth images when zoomed
  [X] Confirm image deletion
  [ ] Show hidden images
  .
  [Close]
}
@enduml
```

可以定义垂直选项卡，如下:

```
@startuml
{
  {/ General
  Fullscreen
  Behavior
  Saving }
  .
  Open image in: [ Smart Mode ]
  [X] Smooth images when zoomed
  [X] Confirm image deletion
  [ ] Show hidden images
  [Close]
}
@enduml
```

使用菜单

你可以使用记号 * 来添加菜单。

```
@startuml
{
* File | Edit | Source | Refactor |
  {/ General | Fullscreen | Behavior | Saving }
  .
  Open image in: [ Smart Mode ]
  [X] Smooth images when zoomed
  [X] Confirm image deletion
  [ ] Show hidden images
  .
  [Close]
}
@enduml
```

你也可以打开一个菜单:

```
@startuml
{
* File | Edit | Source | Refactor
* New | Open File | Close | Close All |
  {/ General | Fullscreen | Behavior | Saving }
  .
  Open image in: [ Smart Mode ]
  [X] Smooth images when zoomed
  [X] Confirm image deletion
  [ ] Show hidden images
  .
  [Close]
}
@enduml
```

高级表格

对于表格有两种特殊的标记：

- + 单元格同时具备 span 和 left 两个属性
- . 是空白单元格

```
@startuml
{#
  | Column 1  | Column 2  |
  | Data 1    | Value 2   | value 3 |
  Row header [ A long cell ] +
}
@enduml
```


OpenIconic

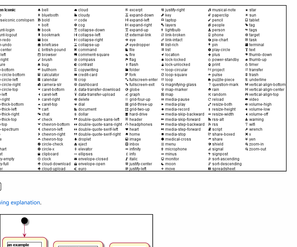
OpenIconic is an very nice open source icon set. Those icons have been integrated into the creole parser, so you can use them out-of-the-box.

You can use the following syntax: `<ICON_NAME>`.

```
@startuml
{
  Login&lt;&gt;open | "MyName   "
  Password&lt;&gt;key | "****      "
  [Cancel<&circle-x>] | [OK <&account-login>]
}
@enduml
```

The complete list is available on OpenIconic Website, or you can use the following special diagram:

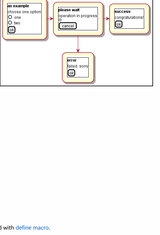
```
@startuml
listopenicon()
@enduml
```



Include Salt

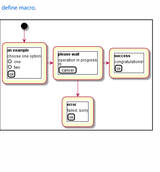
You can read the following explanation.

```
@startuml
!include ...
!$1 = "..."
!$2 = "..."
salt
{
  Choose one example
  Choose one option
  Clear
  Clear
  [ok]
  .
  " an choose
  .
choose <right> "
  .
  salt
  {
  T+Please wait
  operation in progress
  @clock
  [cancel]
  }
  .
  " an wait
  wait <right> "
  .
  salt
  {
  T+Success
  Congratulations!
  [ok]
  }
  .
  " an success
  .
  wait <down> "
  .
  salt
  {
  T+Error
  Failed, sorry
  [ok]
  }
  .
  .
@enduml
```



It can also be combined with define macro.

```
@startuml
!procedure function SALT(&)
!$1 = "..."
!$2 = %invoke_void_func("./"+&)
!$3 = %t
!endfunction
.
!function _choose()
!$1 = "..."
!$2 = "..."
choose one option
Clear
Clear
[ok]
!endfunction
.
!function _wait()
!$1 = "..."
!$2 = "..."
T+Please wait
operation in progress
@clock
[cancel]
!endfunction
.
!function _success()
!$1 = "..."
!$2 = "..."
T+Success
Congratulations!
[ok]
!endfunction
.
!function _error()
!$1 = "..."
!$2 = "..."
T+Error
Failed, sorry
[ok]
!endfunction
.
{#} >>> SALT(choose)
choose <right> "
wait <right> SALT(success)
wait <down> SALT(error)
@enduml
```



Scroll Bars

You can use "S" as scroll bar like in following examples:

```
@startuml
{S
Message
.
.
.
.
@enduml
```

```
@startuml
{S+
Message
.
.
.
.
@enduml
```

```
@startuml
{S-
Message
.
.
.
.
@enduml
```