Examples of some of the widgets

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1 Introduction

This package contains several widgets built using the R *tcltk* package or the *widgetTools* package to provide interfaces to perform different tasks. Available widgets include:

- `argsWidget` - an interface that allows users to input values for an argument list passed to the widget as an argument

- `DPExplorer` - an interface that allows users to view a `Bioconductor` data package and make selections

- `fileBrowser` - an interface that allows users to select a group of files from a local directory

- `importWizard` - an interface that allows users to import a data file into R, following an Excel style

- `objectBrowser` - an interface that allows users to browse R objects and make a selection

- `vExplorer` - an interface that allows users to explore vignettes of available R packages

The following code invokes a widget that contains clickable buttons that show the interfaces of the widgets.

```
> library(tkWidgets)
```

```
Attaching package 'DynDoc':
```

```
          The following object(s) are masked from package:base :

            vignette

> PWEnv <- new.env(hash = TRUE, parent = parent.frame(1))
> argsFun <- function() {
+     argsWidget(list(Entry1 = "aaaaa", Ehtry2 = "bbbb"))
+ }
> button1 <- button(wName = "button1", wValue = "argsWidget", wFuns = list(command =
+     wEnv = PWEnv)
> button2 <- button(wName = "button2", wValue = "DPExplorer", wFuns = list(command =
+     wEnv = PWEnv)
> button3 <- button(wName = "button3", wValue = "fileBrowser",
+     wFuns = list(command = fileBrowser), wEnv = PWEnv)
> button4 <- button(wName = "button4", wValue = "importWizard",
+     wFuns = list(command = importWizard), wEnv = PWEnv)
> button5 <- button(wName = "button5", wValue = "objectBrowser",
+     wFuns = list(command = objectBrowser), wEnv = PWEnv)
> button6 <- button(wName = "button6", wValue = "vExplorer", wFuns = list(command = v
+     wEnv = PWEnv)
> pWidgets <- list(A = list(button1 = button1, button2 = button2),
+     C = list(button3 = button3, button4 = button4), D = list(button5 = button5,
+         button6 = button6))
> if (interactive()) {
+     viewWidget <- widget(wTitle = "tkWidgets Examples", pWidgets,
+         funs = list(), preFun = function() print("Hello"), postFun = function() pri
+         env = PWEnv)
+ }
```

There are other widgets that are used by specific packages that may not be of general
interest. These widgets are thus not included in the examples.