Quick guide to functionality

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Basic usage

```
ht_orig <- huxtable(a = c('Parsley', 'Sage', 'Rosemary', 'Thyme'), b = 10 ^ (2:5))
width(ht_orig) <- 0.25
ht_orig <- set_all_borders(ht_orig, 1:nrow(ht_orig), 1:ncol(ht_orig), 1)
ht_orig
```

Parsley	100
Sage	1000
Rosemary	10000
Thyme	1e+05

Table position:

```
ht <- ht_orig
position(ht) <- 'left'
ht
```

Parsley	100
Sage	1000
Rosemary	10000
Thyme	1e+05

Cell alignment

```
ht <- ht_orig
align(ht)[,1] <- 'left'
ht
```

Parsley	100
Sage	1000
Rosemary	10000
Thyme	1e+05

Vertical alignment:

```
ht <- ht_orig
valign(ht)[,1] <- 'top'
ht
```

Parsley	100
Sage	1000
Rosemary	10000
Thyme	1e+05

Column span:

```
ht <- ht_orig
background_color(ht)[1,1] <- 'green'
colspan(ht)[1,1] <- 2
ht
```

Parsley	
Sage	1000
Rosemary	10000
Thyme	1e+05

Row span:

```
ht <- ht_orig
ht[1,1] <- 'A rather long block of text'
background_color(ht)[1,1] <- 'green'
rowspan(ht)[1,1] <- 2
ht
```

Sage	100
	1000
Rosemary	10000
Thyme	1e+05

Row and column span:

```
ht <- ht_orig
ht[1,1] <- 'A rather long block of text'
background_color(ht)[1,1] <- 'green'
rowspan(ht)[1,1] <- 2
colspan(ht)[1,1] <- 2
ht
```

Sage	
Rosemary	10000
Thyme	1e+05

Table width:

```
ht <- ht_orig
width(ht) <- 0.5
ht
```

Parsley	100
Sage	1000
Rosemary	10000
Thyme	1e+05

Column width

```
ht <- ht_orig
col_width(ht) <- c(.8, .2)
ht
```

Parsley	100
Sage	1000
Rosemary	10000
Thyme	1e+05

Row height

```
ht <- ht_orig
height(ht) <- 0.2;
if (! is_latex) height(ht) <- '100px' # need a specific height for row heights to work in HTML
row_height(ht) <- c(.4, .2, .2, .2) * 0.2
ht
```

Parsley	100
Sage	1000
Rosemary	10000
Thyme	1e+05

Borders

```
ht <- ht_orig
ht <- set_all_borders(ht, 1:4, 1:2, 0)
top_border(ht) <- c(2, 0, 0, 1)
bottom_border(ht)[4,] <- 2
ht
```

Parsley	100
Sage	1000
Rosemary	10000
Thyme	1e+05

Text color, bold, italic, font size

```
ht <- ht_orig
text_color(ht)[,2] <- 'red'
bold(ht)[1,] <- TRUE
italic(ht)[3,] <- TRUE
font_size(ht)[2,] <- 14
ht
```

Parsley	**100**
Sage	1000
Rosemary	*10000*
Thyme	1e+05

Replace NAs

```
ht <- ht_orig
ht[2,1] <- NA
ht
```

```
na_string(ht) <- '--'
ht
```

Parsley	100
	1000
Rosemary	10000
Thyme	1e+05

Parsley	100
–	1000
Rosemary	10000
Thyme	1e+05

Cell rotation

```
ht <- ht_orig
height(ht) <- 0.2 # necessary
if (! is_latex) height(ht) <- '200px'
col_width(ht) <- c(.25, .75)
rotation(ht)[,1] <- 90
ht
```

Parsley	100
Sage	1000
Rosemary	10000
Thyme	1e+05

Caption

```
ht <- ht_orig
caption(ht) <- 'A simple table'
ht
```

Table 1: A simple table

Parsley	100
Sage	1000
Rosemary	10000
Thyme	1e+05

Caption below

```
ht <- ht_orig
caption(ht) <- 'A simple table'
caption_pos(ht) <- 'bottom'
ht
```

Parsley	100
Sage	1000
Rosemary	10000
Thyme	1e+05

Table 2: A simple table

Label (LaTeX only)

```
ht <- ht_orig
caption(ht) <- 'Captions are required for labels to work'
label(ht) <- 'tab:mytable'
ht
```

Table 3: Captions are required for labels to work

Parsley	100
Sage	1000
Rosemary	10000
Thyme	1e+05

```
knitr::asis_output('If this is LaTeX we can see a reference to table \\ref{tab:mytable}.')
```

If this is LaTeX we can see a reference to table 3.