

# LaTeX::Table

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## Abstract

L<sup>A</sup>T<sub>E</sub>X::TABLE is a Perl module that provides functionality for an intuitive and easy generation of LaTeX tables. It ships with some predefined good looking table styles. This module supports multipage tables via the `xtab` package and publication quality tables with the `booktabs` package. It also supports the `tabularrx` package for nicer fixed-width tables. Furthermore, it supports the `colortbl` package for colored tables optimized for presentations.

## 1 Installation

You can install it with the `cpan` command.

```
$ cpan LaTeX::Table
```

Alternatively, download it from <http://search.cpan.org/dist/LaTeX-Table/> and install it manually:

```
$ tar xvfz LaTeX-Table-VERSION.tar.gz
$ perl Build.PL
$ ./Build test
$ ./Build install
```

## 2 Examples

### 2.1 Large Columns

The first basic example is a small table with two larger columns. LaTeX::Table automatically sets the column to `p{5cm}` when a cell in a column has more than 30 characters. L<sup>A</sup>T<sub>E</sub>X generates the nice Table 1.

```
my $header = [ [ 'Character', 'Fullname', 'Voice' ], ];
my $data = [
    [ 'Homer', 'Homer Jay Simpson', 'Dan Castellaneta' ],
    [ 'Marge', 'Marjorie Simpson (ne Bouvier)',
      'Julie Kavner' ],
    [ 'Bart', 'Bartholomew Jojo Simpson', 'Nancy Cartwright' ],
    [ 'Lisa', 'Elizabeth Marie Simpson', 'Yeardley Smith' ],
    [ 'Maggie', 'Margaret Simpson',
      'Elizabeth Taylor, Nancy Cartwright, James Earl Jones',
      'Yeardley Smith, Harry Shearer' ],
];
```

Character	Fullname	Voice
Homer	Homer Jay Simpson	Dan Castellaneta
Marge	Marjorie Simpson (ne Bouvier)	Julie Kavner
Bart	Bartholomew Jojo Simpson	Nancy Cartwright
Lisa	Elizabeth Marie Simpson	Yeadley Smith
Maggie	Margaret Simpson	Elizabeth Taylor, Nancy Cartwright, James Earl Jones, Yeadley Smith, Harry Shearer

Table 1: LaTeX paragraph column attribute.

Character	Fullname	Voice
Homer	Homer Jay Simpson	Dan Castellaneta
Marge	Marjorie Simpson (ne Bouvier)	Julie Kavner
Bart	Bartholomew Jojo Simpson	Nancy Cartwright
Lisa	Elizabeth Marie Simpson	Yeadley Smith
Maggie	Margaret Simpson	Elizabeth Taylor, Nancy Cartwright, James Earl Jones, Yeadley Smith, Harry Shearer

Table 2: Uses the tabularx package.

```
];

$stable = LaTeX::Table->new(
  {   header    => $header ,
      data      => $data ,
      label     => 'wrap1' ,
      caption   => 'LaTeX paragraph column attribute.' ,
  }
);
```

We can use the `tabularx` package to find better column widths than the default 5cm. See Table 2 for the results.

```
$stable = LaTeX::Table->new(
  {   header      => $header ,
      data        => $data ,
      width       => '0.9\textwidth' ,
      width_environment => 'tabularx' ,
      caption     => 'Uses the tabularx package.' ,
  }
);
```

A third option is to use the `tabulary` package. See Table 3.

```
$stable = LaTeX::Table->new(
```

Character	Fullname	Voice
Homer	Homer Jay Simpson	Dan Castellaneta
Marge	Marjorie Simpson (ne Bouvier)	Julie Kavner
Bart	Bartholomew Jojo Simpson	Nancy Cartwright
Lisa	Elizabeth Marie Simpson	Yeadley Smith
Maggie	Margaret Simpson	Elizabeth Taylor, Nancy Cartwright, James Earl Jones,Yeadley Smith, Harry Shearer

Table 3: Uses the tabulary package.

```

{   header           => $header ,
    data             => $data ,
    width            => '0.9\textwidth' ,
    width_environment => 'tabulary' ,
    caption          => 'Uses the tabulary package.' ,
}
);

```

## 2.2 Table rotate

Table 4 demonstrates the table sideways feature. Requires the **rotating** package.

```

$stable = LaTeX::Table->new(
{   header           => $header ,
    data             => $data ,
    label            => 'rotate' ,
    width            => '0.9\textwidth' ,
    width_environment => 'tabularx' ,
    sideways         => 1,
    caption          => 'tabularx X column attribute.' ,
}
);

```

## 2.3 Table resize

In Tables 5 and 6, the resizebox feature was used to get the desired width (and height in the second example). Requires the **graphicx** package.

```

$stable = LaTeX::Table->new(
{   header           => $header ,
    data             => $data ,
    label            => 'resize' ,
    resizebox        => [ '0.6\textwidth' ],
    caption          =>

```

Character	Fullname	Voice
Homer	Homer Jay Simpson	Dan Castellaneta
Marge	Marjorie Simpson (ne Bouvier)	Julie Kavner
Bart	Bartholomew Jojo Simpson	Nancy Cartwright
Lisa	Elizabeth Marie Simpson	Yeadley Smith
Maggie	Margaret Simpson	Elizabeth Taylor, Nancy Cartwright, James Earl Jones,Yeadley Smith, Harry Shearer

Table 4: Uses the tabulary package.

Character	Fullname	Voice
Homer	Homer Jay Simpson	Dan Castellaneta
Marge	Marjorie Simpson (ne Bouvier)	Julie Kavner
Bart	Bartholomew Jojo Simpson	Nancy Cartwright
Lisa	Elizabeth Marie Simpson	Yeadley Smith
Maggie	Margaret Simpson	Elizabeth Taylor, Nancy Cartwright, James Earl Jones, Yeadley Smith, Harry Shearer

Table 5: scaled to 60% of the text width

Character	Fullname	Voice
Homer	Homer Jay Simpson	Dan Castellaneta
Marge	Marjorie Simpson (ne Bouvier)	Julie Kavner
Bart	Bartholomew Jojo Simpson	Nancy Cartwright
Lisa	Elizabeth Marie Simpson	Yeadley Smith
Maggie	Margaret Simpson	Elizabeth Taylor, Nancy Cartwright, James Earl Jones, Yeadley Smith, Harry Shearer

Table 6: scaled to a size of 300pt x 120pt

```

        'scaled to 0.6\textwidth with a resizebox (graphicx package)',
    }
);

$table->set_resizebox([ '300pt', '120pt' ]);

```

## 2.4 Table width, tabular\* environment

Table 7 demonstrates a fixed-width table in the `tabular*` environment. Here, the space between the columns is filled with spaces.

```

$table = LaTeX::Table->new(
  {   header      => $header ,
      data         => $data ,
      label       => 'width' ,

```

Animal	Description	Price
Gnat	per gram	13.651
	each	0.012
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99

Table 7: 0.7 of textwidth

```

width      => '0.7\textwidth',
caption    => '0.7 of textwidth',
    }
);

```

## 2.5 Callback functions

Callback functions are an easy way of formatting the cells. Note that the prices for Gnat are rounded in the following tables.

```

my $header = [
  [ 'Item:2c', '' ],
  [ '\cmidrule(r){1-2}' ],
  [ 'Animal', 'Description', 'Price' ]
];

my $data = [
  [ 'Gnat', 'per gram', '13.651' ],
  [ '', 'each', '0.012' ],
  [ 'Gnu', 'stuffed', '92.59' ],
  [ 'Emu', 'stuffed', '33.33' ],
  [ 'Armadillo', 'frozen', '8.99' ],
];

my $table = LaTeX::Table->new(
  {
    filename    => 'prices.tex',
    maincaption => 'Price List',
    caption     => 'Try our special offer today!',
    label       => 'table:prices',
    position    => 'htb',
    header      => $header,
    data        => $data,
    callback    => sub {
      my ($row, $col, $value, $is_header) = @_;
      if ($col == 2 && !$is_header) {
        $value = format_price($value, 2, '');
      }
      return $value;
    },
  });

```

Item		
Animal	Description	Price
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99

Table 8: Price List. Try our special offer today!

## 2.6 Top Captions

Tables can be placed on top of the tables with `caption_top => 1`. See Table 9. Note that the standard L<sup>A</sup>T<sub>E</sub>X macros are optimized for bottom captions. Use something like

```
\usepackage[tableposition=top]{caption}
```

to fix the spacing. Alternatively, you could fix the spacing by yourself by providing your own command(s) (Table 10):

```
$table->set_caption_top(
  '\setlength{\abovecaptionskip}{0pt}' .
  '\setlength{\belowcaptionskip}{10pt}' .
  '\caption '
);
```

Table 9: Try our special offer today!

ITEM		
ANIMAL	DESCRIPTION	PRICE
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99

## 2.7 Custom Themes

Table 11 displays our example table with the *NYC* theme, which is meant for presentations (with L<sup>A</sup>T<sub>E</sub>X Beamer for example). You can change the theme by copying it, changing it and then storing it in `custom_themes`. Admire the resulting Table 12. You can also add the theme to the predefined themes by creating a themes module. See `LaTeX::Table::Themes::ThemeI` how to do that.

```
my $nyc_theme = $table->get_available_themes->{'NYC'};
$nyc_theme->{'DEFINECOLORS'} =
  '\definecolor{latexblegreen}{RGB}{93,127,114}';
```

Table 10: Try our special offer today!

ITEM		
ANIMAL	DESCRIPTION	PRICE
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99

```

$nyc_theme->{'HEADER_BG_COLOR'} = 'latexitablegreen';
$nyc_theme->{'DATA_BG_COLOR_ODD'} = 'latexitablegreen!25';
$nyc_theme->{'DATA_BG_COLOR_EVEN'} = 'latexitablegreen!10';

$table->set_custom_themes({ CENTRALPARK => $nyc_theme });
$table->set_theme('CENTRALPARK');

```

Item		
Animal	Description	Price
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99

Table 11: Try our special offer today!

Item		
Animal	Description	Price
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99

Table 12: Try our special offer today!

## 2.8 Multicolumns

If you want tables with vertical lines (are you sure?) you should use our shortcut to generate multicolumns. These shortcuts are not only much less typing work, but they also automatically add the vertical lines, see Table 13.

```

$header = [ [ 'A:3c' ], [ 'A:2c', 'B' ], [ 'A', 'B', 'C' ], ];
$data = [ [ '1', 'w', 'x' ], [ '2', 'c:2c' ], ];

```



A		
A	B	B
1	w	x
2	c	

Table 13: Multicolumns made easy ...

Gnat	per gram	13.651
	each	0.012
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99

Table 14: Headers are not mandatory

```
$table = LaTeX::Table->new(
  {
    header      => $header ,
    data        => $data ,
    theme       => 'Dresden' ,
  }
);
```

## 2.9 Headers

If you don't need headers, just leave them undefined (see Table 14). If you want that the first column looks like a header, you can define this with the `columns_like_header` Option (Table 15 and Table 16). You can also rotate the header columns by 90 degrees (Table 17) with `header_sideways`. If you do not want to rotate all header cells, use a callback function instead (Table 18).

```
$table = LaTeX::Table->new(
  {
    caption      => 'Headers are not mandatory' ,
    label        => 'table:noheader' ,
    data         => $data ,
  }
);
```

Gnat	per gram	13.651
	each	0.012
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99

Table 15: We can format columns with the theme header definition

	A	
	A	B
A	B	C
Gnat	per gram	13.651
	each	0.012
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99

Table 16: We can format columns with the theme header definition

Time	Monday	Tuesday	Wednesday	Thursday	Friday
9.00					
10.00					
11.00					
12.00					

Time	Monday	Tuesday	Wednesday	Thursday	Friday
9.00					
10.00					
11.00					
12.00					

Table 18: Header sideways, right aligned

Website	URL
Slashdot	<a href="http://www.slashdot.org">http://www.slashdot.org</a>
Perlmonks	<a href="http://www.perlmonks.org">http://www.perlmonks.org</a>
Google	<a href="http://www.google.com">http://www.google.com</a>

Table 19: Some websites

Website	URL
Slashdot <sup>a</sup>	<a href="http://www.slashdot.org">http://www.slashdot.org</a>
Perlmonks	<a href="http://www.perlmonks.org">http://www.perlmonks.org</a>
Google	<a href="http://www.google.com">http://www.google.com</a>

<sup>a</sup> footnotes are placed under the table

Table 20: We can do this with the ctable package as well and can even add some footnotes...

## 2.10 Automatic column definitions

We can easily provide regular expressions that define the alignment of columns. See Table 19.

```
$table = LaTeX::Table->new(
  {
    caption => 'Some websites',
    label   => 'table:website',
    header  => [ [ 'Website', 'URL' ] ],
    data    => [
      [ 'Slashdot\tmark', 'http://www.slashdot.org' ],
      [ 'Perlmonks', 'http://www.perlmonks.org' ],
      [ 'Google', 'http://www.google.com' ],
    ],
    coldef_strategy => {
      URL      => qr{ \A\s* http }xms,
      URL_COL => '>\ttfamily}l',
    }
  }
);
```

## 2.11 Ctable Package

The `ctable` package makes it easy to add footnotes. See Table 20.

```
$table->set_type('ctable');
```

## 2.12 Multicols

In a twocolumn or multicols document, we use this starred version for Table 21:



Website	URL
Slashdot <sup>a</sup>	<a href="http://www.slashdot.org">http://www.slashdot.org</a>
Perlmonks	<a href="http://www.perlmonks.org">http://www.perlmonks.org</a>
Google	<a href="http://www.google.com">http://www.google.com</a>

<sup>a</sup> footnotes are placed under the table

Table 21: We can do this with the ctable package as well and can even add some footnotes...

Item		
Animal	Description	Price
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99

Table 22: **Price List.** Try our special offer today!

Item		
Animal	Description	Price
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99

Table 23: **Price List.** Try our special offer today!

## A Themes

For each theme, two example tables are shown, one of type *std*, the standard L<sup>A</sup>T<sub>E</sub>X table, and one of type *xtab*. Note that the first and second column is left justified because these columns contain only strings, whereas the third column is a number column and therefore right justified.

### A.1 Berlin Theme

Table 24: **Price List.** Try our special offer today!

Item		
Animal	Description	Price
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Continued on next page		

Table 24: Continued from previous page

Item		
Animal	Description	Price
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99

Item		
Animal	Description	Price
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99

Table 25: **Price List.** Try our special offer today!

Item		
Animal	Description	Price
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99

Table 26: **Price List.** Try our special offer today!

## A.2 Dresden Theme

Table 27: **Price List.** Try our special offer today!

Item		
Animal	Description	Price
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
Continued on next page		



Table 27: Continued from previous page

Item		
Animal	Description	Price
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99

Item		
Animal	Description	Price
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99

Table 28: **Price List.** Try our special offer today!

Item		
Animal	Description	Price
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99

Table 29: **Price List.** Try our special offer today!

### A.3 Houston Theme

Table 30: **Price List.** Try our special offer today!

Item		
Animal	Description	Price
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Continued on next page		

Table 30: Continued from previous page

Item		
Animal	Description	Price
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99

Item		
Animal	Description	Price
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99

Table 31: Price List. Try our special offer today!

Item		
Animal	Description	Price
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99

Table 32: Price List. Try our special offer today!

#### A.4 Meyrin Theme

Table 33: Price List. Try our special offer today!

Item		
Animal	Description	Price
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Continued on next page		

Table 33: Continued from previous page

Item		
Animal	Description	Price
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99

Item		
Animal	Description	Price
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99

Table 34: **Price List.** Try our special offer today!

Item		
Animal	Description	Price
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99

Table 35: **Price List.** Try our special offer today!

## A.5 Miami Theme

Table 36: **Price List.** Try our special offer today!

Item		
Animal	Description	Price
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
	each	0.01

Continued on next page

Table 36: Continued from previous page

<b>Item</b>		
<b>Animal</b>	<b>Description</b>	<b>Price</b>
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99

Item		
Animal	Description	Price
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99

Table 37: **Price List.** Try our special offer today!

Item		
Animal	Description	Price
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99

Table 38: **Price List.** Try our special offer today!

## A.6 Muenchen Theme

Table 39: **Price List.** Try our special offer today!

Item		
Animal	Description	Price
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65

Continued on next page



Table 39: Continued from previous page

Item		
Animal	Description	Price
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99

Item		
Animal	Description	Price
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99

Table 40: Price List. Try our special offer today!

Item		
Animal	Description	Price
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99

Table 41: Price List. Try our special offer today!

## A.7 NYC Theme

Table 42: Price List. Try our special offer today!

Item		
Animal	Description	Price
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
Continued on next page		

Table 42: Continued from previous page

Item		
Animal	Description	Price
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99

Item		
Animal	Description	Price
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99

Table 43: Price List. Try our special offer today!

Item		
Animal	Description	Price
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99

Table 44: Price List. Try our special offer today!

### A.8 NYC2 Theme

Table 45: Price List. Try our special offer today!

Item		
Animal	Description	Price
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
Continued on next page		

Table 45: Continued from previous page

Item		
Animal	Description	Price
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99

Animal	Item		Price
	Animal	Description	
Gnat		per gram	13.65
		each	0.01
Gnu		stuffed	92.59
Emu		stuffed	33.33
Armadillo		frozen	8.99

Table 46: Price List. Try our special offer today!

Animal	Item		Price
	Animal	Description	
Gnat		per gram	13.65
		each	0.01
Gnu		stuffed	92.59
Emu		stuffed	33.33
Armadillo		frozen	8.99

Table 47: Price List. Try our special offer today!

## A.9 NYC3 Theme

Table 48: Price List. Try our special offer today!

Animal	Item		Price
	Animal	Description	
Gnat		per gram	13.65
		each	0.01
Gnu		stuffed	92.59
Emu		stuffed	33.33
Armadillo		frozen	8.99
Gnat		per gram	13.65
		each	0.01
Gnu		stuffed	92.59
Emu		stuffed	33.33

Continued on next page

Table 48: Continued from previous page

Animal	Item	
	Description	Price
Armadillo	frozen	8.99
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99

Item		
Animal	Description	Price
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99

Table 49: Price List. Try our special offer today!

Item		
Animal	Description	Price
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99

Table 50: Price List. Try our special offer today!

## A.10 NYC4 Theme

Table 51: Price List. Try our special offer today!

Item		
Animal	Description	Price
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Continued on next page		



Table 51: Continued from previous page

Item		
Animal	Description	Price
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99

Item		
Animal	Description	Price
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99

Table 52: **Price List.** Try our special offer today!

Item		
Animal	Description	Price
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99

Table 53: **Price List.** Try our special offer today!

### A.11 Paris Theme

Table 54: **Price List.** Try our special offer today!

Item		
Animal	Description	Price
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
	each	0.01
Continued on next page		

Table 54: Continued from previous page

Item		
Animal	Description	Price
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99

Item		
Animal	Description	Price
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99

Table 55: Price List. Try our special offer today!

Item		
Animal	Description	Price
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99

Table 56: Price List. Try our special offer today!

### A.12 Redmond Theme

Table 57: Price List. Try our special offer today!

Item		
Animal	Description	Price
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99

Continued on next page

Table 57: Continued from previous page

Item		
Animal	Description	Price
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99

Item		
Animal	Description	Price
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99

Table 58: Price List. Try our special offer today!

Item		
Animal	Description	Price
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99

Table 59: Price List. Try our special offer today!

### A.13 Redmond2 Theme

Table 60: Price List. Try our special offer today!

Item		
Animal	Description	Price
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99

Continued on next page

Table 60: Continued from previous page

Item		
Animal	Description	Price
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99

Item		
Animal	Description	Price
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99

Table 61: Price List. Try our special offer today!

Item		
Animal	Description	Price
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99

Table 62: Price List. Try our special offer today!

#### A.14 Zurich Theme

Table 63: Price List. Try our special offer today!

Item		
Animal	Description	Price
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Continued on next page		



Table 63: Continued from previous page

<b>Item</b>		
<b>Animal</b>	<b>Description</b>	<b>Price</b>
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99

Item		
Animal	Description	Price
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99

Table 64: Price List. Try our special offer today!

Item		
Animal	Description	Price
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99

Table 65: Price List. Try our special offer today!

## A.15 plain Theme

Table 66: Price List. Try our special offer today!

Item		
Animal	Description	Price
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
	each	0.01

Continued on next page

Table 66: Continued from previous page

Item		
Animal	Description	Price
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.59
Emu	stuffed	33.33
Armadillo	frozen	8.99