Tables

Official documentation is in progress, this document is just a glimpse of what is possible with pdfmake and its layout engine.

A simple table (no headers, no width specified, no spans, no styling)

The following table has nothing more than a body array

Column 1	Column 2	Column 3
One value goes here	Another one here	OK?

A simple table with nested elements

It is of course possible to nest any other type of nodes available in pdfmake inside table cells

<table>
<tr><td>Column 1</td><td>Column 2</td><td>Column 3</td></tr>
<tr><td>Let's try an unordered list
• item 1
• item 2</td><td>or a nested table<table><tr><td>Col1</td><td>Col2</td><td>Col3</td></tr><tr><td>1</td><td>2</td><td>3</td></tr><tr><td>1</td><td>2</td><td>3</td></tr></table></td><td>Inlines can be styled
easily as everywhere else</td></tr>
</table>

Defining column widths

Tables support the same width definitions as standard columns:

- **auto**
- **star**
- **fixed value**

width=100	star-sized	width=200	star-sized
fixed-width cells have exactly the specified width	*nothing interesting here*	*nothing interesting here*	*nothing interesting here*

This is a star-sized column. The next column over, an auto-sized column, will wrap to accomodate all the text in this cell.	I am auto sized.

This is a star-sized column. The next column over, an auto-sized column, will not wrap to accomodate all the text in this cell, because it has been given the noWrap style.	I am auto sized.

Defining row heights

row 1 with height 20	column B
row 2 with height 50	column B

row 3 with height 70	column B

With same height:

row 1	column B
row 2	column B
row 3	column B

With height from function:

row 1	column B
row 2	column B
row 3	column B

Column/row spans

Each cell-element can set a rowSpan or colSpan

<table>
<tr><th colspan="2">Header with Colspan = 2</th><th>Header 3</th></tr>
<tr><th>Header 1</th><th>Header 2</th><th>Header 3</th></tr>
<tr><td>Sample value 1</td><td>Sample value 2</td><td>Sample value 3</td></tr>
<tr><td rowspan="3">rowSpan set to 3
Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor</td><td>Sample value 2</td><td>Sample value 3</td></tr>
<tr><td>Sample value 2</td><td>Sample value 3</td></tr>
<tr><td>Sample value 2</td><td>Sample value 3</td></tr>
<tr><td>Sample value 1</td><td rowspan="2" colspan="2">Both:
rowSpan and colSpan
can be defined at the same time</td></tr>
<tr><td>Sample value 1</td></tr>
</table>

Headers

You can declare how many rows should be treated as a header. Headers are automatically repeated on the following pages

It is also possible to set keepWithHeaderRows to make sure there will be no page-break between the header and these rows. Take a look at the document-definition and play with it. If you set it to one, the following table will automatically start on the next page, since there's not enough space for the first row to be rendered here

Header 1	**Header 2**	**Header 3**
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum	Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum	Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum

Header 1	Header 2	Header 3
dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.	dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.	dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

Styling tables

You can provide a custom styler for the table. Currently it supports:

- line widths
- line colors
- cell paddings

with more options coming soon...

pdfmake currently has a few predefined styles (see them on the next page)

noBorders:

Header 1	Header 2	Header 3
Sample value 1	Sample value 2	Sample value 3
Sample value 1	Sample value 2	Sample value 3
Sample value 1	Sample value 2	Sample value 3
Sample value 1	Sample value 2	Sample value 3
Sample value 1	Sample value 2	Sample value 3

headerLineOnly:

Header 1	Header 2	Header 3
Sample value 1	Sample value 2	Sample value 3
Sample value 1	Sample value 2	Sample value 3
Sample value 1	Sample value 2	Sample value 3
Sample value 1	Sample value 2	Sample value 3
Sample value 1	Sample value 2	Sample value 3

lightHorizontalLines:

Header 1	Header 2	Header 3
Sample value 1	Sample value 2	Sample value 3
Sample value 1	Sample value 2	Sample value 3
Sample value 1	Sample value 2	Sample value 3
Sample value 1	Sample value 2	Sample value 3
Sample value 1	Sample value 2	Sample value 3

but you can provide a custom styler as well

Header 1	Header 2	Header 3
Sample value 1	Sample value 2	Sample value 3
Sample value 1	Sample value 2	Sample value 3
Sample value 1	Sample value 2	Sample value 3
Sample value 1	Sample value 2	Sample value 3
Sample value 1	Sample value 2	Sample value 3

zebra style

Sample value 1	Sample value 2	Sample value 3

Sample value 1	Sample value 2	Sample value 3
Sample value 1	Sample value 2	Sample value 3
Sample value 1	Sample value 2	Sample value 3
Sample value 1	Sample value 2	Sample value 3

Optional border

Each cell contains an optional border property: an array of 4 booleans for left border, top border, right border, bottom border.

border: [false, true, false, false]	border: [false, false, false, false]	border: [true, true, true, true]
rowSpan: 3 border: [true, true, true, true]	border: undefined	border: [true, false, false, false]
	colSpan: 2 border: [true, true, true, true]	
	border: undefined	border: [false, false, true, true]

For every cell without a border property, whether it has all borders or not is determined by layout.defaultBorder, which is false in the table above and true (by default) in the table below.

border: [false, false, false, false]	border: undefined	border: undefined
border: undefined	border: undefined	border: [true, true, false, false]

And some other examples with rowSpan/colSpan...

	column 1	column 2	column 3
row 1	rowSpan: 3 colSpan: 3 border: [true, true, true, true]		
row 2			
row 3			

colSpan: 3 border: [false, false, false, false]		
border: undefined	border: undefined	border: undefined

rowSpan: 3 border: [false, false, false, false]	border: undefined	border: undefined
	border: undefined	border: undefined
	border: undefined	border: undefined