

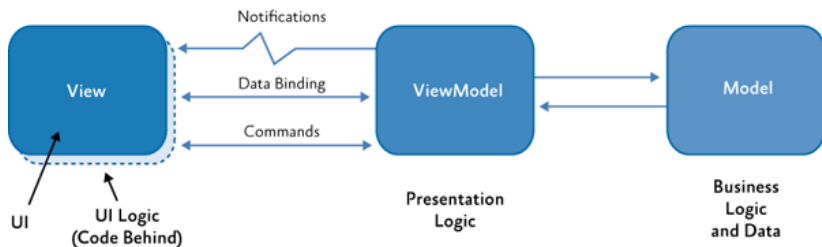
Wprowadzenie do biblioteki *Knockout.*

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2 lutego 2014

Wzorzec Model-View-ViewModel (MVVM)



Zalety wzorca MVVM

- ▶ W prosty sposób możemy tworzyć skomplikowane widoki
- ▶ Łatwy sposób testowania UI (testujemy ViewModel)
- ▶ Templating - prosty sposób na ponowne wykorzystanie elementów UI

Biblioteka KnockoutJS



The image shows the homepage of the KnockoutJS website. The header features navigation links: Home, Download / Install, Tutorials, Live examples, Documentation, Forum, and Source. The main section has the 'Knockout.' logo and a description: 'Simplify dynamic JavaScript UIs with the Model-View-View Model (MVVM) pattern'. A 'Download' button for version 3.0.0 (16kb min+gz) is present, along with a link to 'upgrade notes'. Below this is a 'Key concepts' section with four icons and descriptions: Declarative Bindings, Automatic UI Refresh, Dependency Tracking, and Templating. At the bottom, there are sections for 'More features' (listing free source, pure JavaScript, small size, and no dependencies) and 'New: Interactive tutorials' (encouraging quick learning with single-page applications).

Home Download / Install Tutorials Live examples Documentation Forum Source





Knockout.

Simplify dynamic JavaScript UIs with the Model-View-View Model (MVVM) pattern

Download
v3.0.0 - 16kb min+gz

[upgrade notes](#)

Key concepts

- **Declarative Bindings**
Easily associate DOM elements with model data using a concise, readable syntax
- **Automatic UI Refresh**
When your data model's state changes, your UI updates automatically
- **Dependency Tracking**
Implicitly set up chains of relationships between model data, to transform and combine it
- **Templating**
Quickly generate sophisticated, nested UIs as a function of your model data

More features



- ✓ Free, open source ([MIT license](#))
- ✓ Pure JavaScript — works with any web framework
- ✓ Small & lightweight — 46kb minified
... reduces to 16kb when using HTTP compression
- ✓ No dependencies

New: Interactive tutorials

Get started with knockout.js quickly, learning to build *single-page applications*, *custom bindings* and more with [these interactive tutorials](#).

Live example

KnockoutJS Demo

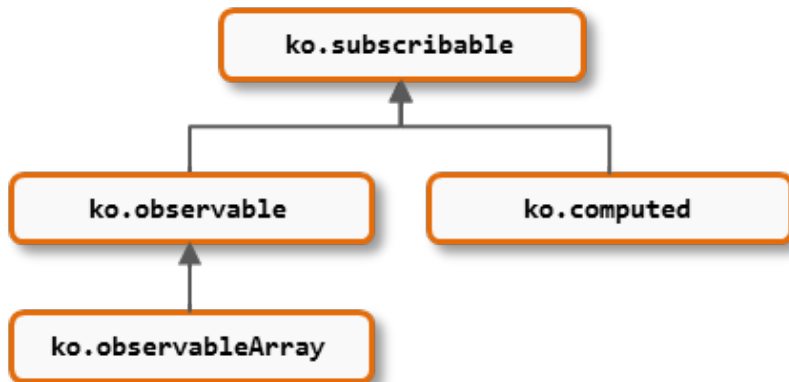
  file:///home/mc/dev/knockout/list_demo.html

Title:

Price:

Book Title	Book Price	Actions	
C# In Nutshell	100\$	<input type="button" value="DELETE"/>	<input type="button" value="EDIT"/>
Programming Ruby	35\$	<input type="button" value="DELETE"/>	<input type="button" value="EDIT"/>
foo bar	0	<input type="button" value="DELETE"/>	<input type="button" value="EDIT"/>

Subscribable type hierarchy



Blocks of Highlighted Text

Block 1

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Integer lectus nisl, ultricies in feugiat rutrum, porttitor sit amet augue. Aliquam ut tortor mauris. Sed volutpat ante purus, quis accumsan dolor.

Block 2

Pellentesque sed tellus purus. Class aptent taciti sociosqu ad litora torquent per conubia nostra, per inceptos himenaeos. Vestibulum quis magna at risus dictum tempor eu vitae velit.

Block 3

Suspendisse tincidunt sagittis gravida. Curabitur condimentum, enim sed venenatis rutrum, ipsum neque consectetur orci, sed blandit justo nisi ac lacus.

Multiple Columns

Heading

1. Statement
2. Explanation
3. Example

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Integer lectus nisl, ultricies in feugiat rutrum, porttitor sit amet augue. Aliquam ut tortor mauris. Sed volutpat ante purus, quis accumsan dolor.

Table

Treatments	Response 1	Response 2
Treatment 1	0.0003262	0.562
Treatment 2	0.0015681	0.910
Treatment 3	0.0009271	0.296

Tabela : Table caption

Theorem

Theorem (Mass–energy equivalence)

$$E = mc^2$$

Verbatim

Example (Theorem Slide Code)

```
\begin{frame}
\frametitle{Theorem}
\begin{theorem}[Mass--energy equivalence]
 $E = mc^2$ 
\end{theorem}
\end{frame}
```

Figure

Uncomment the code on this slide to include your own image from the same directory as the template .TeX file.

Citation

An example of the `\cite` command to cite within the presentation:

This statement requires citation `[?]`.

Materiały

- ▶ <http://knockoutjs.com/> (oficjalna strona biblioteki)
- ▶ <http://www.knockmeout.net/> (blog rniemeyer)
- ▶ <http://blog.stevensanderson.com/> (blog Steven Sanderson)
- ▶ KnockoutJS Starter, *Eric M. Barnard*, PACKT PUBLISHING (ultra krótka - zaledwie 50 stron)



Uwagi? Pytania?