

# Namespace: Namespace

## Headline

The namespace of 101wiki namespaces

## Description

101wiki uses namespaces for pages so that some form of name qualification is achieved, thereby avoiding name clashes and facilitating searching. Further, namespaces are 'reflectively' described on the 101wiki in terms of section structure ([Property:hasOptional](#) and [Property:hasMandatory](#)) as well as metadata items ([Property:hasDomain](#) and [Property:hasRange](#)), thereby guiding authors and potentially permitting lax validation. Generally, the namespace shows up, as is, in the URLs for the pages with the exception of [Namespace:Concept](#) where 'Concept' is simply omitted in the URLs.

## Metadata

- [Section:Headline](#)
  - [Section:Description](#)
  - [Section:Metadata](#)
  - [Property:exemplifiedBy](#)
  - [Namespace:Namespace](#)
  - [Namespace:Language](#)
  - [Namespace:Technology](#)
  - [Namespace:Concept](#)
  - [Namespace:Feature](#)
  - [Namespace:System](#)
  - [Namespace:Perspective](#)
  - [Namespace:Type](#)
-

# Namespace: **Concept**

## Headline

The namespace of [software concepts](#)

## Description

This namespace is dedicated to [software concepts](#), e.g., [design patterns](#) such as the [Visitor pattern](#). Software concepts are supposed to be described already elsewhere on the web, e.g., on Wikipedia, and thus, 101wiki coverage can be minimalistic and the 101wiki page for a concept serves essentially as a [linked open data](#) resource. Metadata for a concept should serve the classification of concepts on 101wiki. It is a good practice to include a short illustration for a concept, but it is not mandatory. In fact, the illustration may be more extensive, if the concept at hand plays a role in 101wiki-based course material.

## Metadata

- [Software concept](#)
  - [Section:Headline](#)
  - [Section:Details](#)
  - [Section:Quote](#)
  - [Section:Illustration](#)
  - [Section:Metadata](#)
  - [Design pattern](#)
  - [Visitor pattern](#)
  - [Monad](#)
-

# Property: **hasDomain**

## Headline

The domain of a 101wiki property

## Metadata

- [Type:Any](#)
  - [Type:Type](#)
-

# Property: **hasRange**

## Headline

The range of a 101wiki property

## Metadata

- [Type:Any](#)
  - [Type:Type](#)
-

# Property: hasMandatory

## Headline

An association between namespaces and sections

## Description

If a namespace associates with a given section in terms of [Property:hasMandatory](#), then the assumption is that a 101wiki page which is member of the namespace, as identified by the property's subject, **must** hold a section, as identified by the property's object.

Likewise, if a namespace associates with a given property in terms of [Property:hasMandatory](#), then the assumption is that a 101wiki page which is member of the namespace, as identified by the property's subject, **must** carry a property in its metadata section, as identified by the property's object.

## Metadata

- [Property:hasOptional](#)
  - [Type:Namespace](#)
  - [Type:Section](#)
  - [Type:Property](#)
  - [Namespace:Language](#)
-

# Property: hasOptional

## Headline

An association between namespaces, sections, and properties

## Description

If a namespace associates with a given section in terms of [Property:hasOptional](#), then the assumption is that a 101wiki page which is member of the namespace, as identified by the property's subject, **may** hold a section, as identified by the property's object.

Likewise, if a namespace associates with a given property in terms of [Property:hasOptional](#), then the assumption is that a 101wiki page which is member of the namespace, as identified by the property's subject, **may** carry a semantic property in its metadata section, as identified by the property's object.

## Metadata

- [Property:hasMandatory](#)
  - [Type:Namespace](#)
  - [Type:Section](#)
  - [Type:Property](#)
  - [Namespace:Language](#)
-