Interactive Prolog Book Example

Contents

Note

Bugs and feature requests regarding the `sphinx-prolog` package and its functionality should be reported as issues in the simply-logical/sphinx-prolog GitHub repository. Typographical and other presentation errors related to this template and its content should be reported as issues in the simply-logical/prolog-book-template GitHub repository.

Tip

In addition to Prolog, the `sphinx-prolog` package can be used to build documents with interactive cplint code blocks. More information can be found at http://cplint-template.simply-logical.space/.

About

This online book describes the process of building online interactive Prolog materials using SWI Prolog and SWISH. It is hosted on *GitHub Pages*, and built with *Jupyter Book* and our custom **`sphinx-prolog`** extension. The source of this book can be found in the simply-logical/prolog-book-template GitHub repository, which can also serve as a template and a starting point for building your own book.

Note

A great example of a Prolog book built with the aforementioned technology stack is our online edition of the *Simply Logical: Intelligent Reasoning by Example* book by Peter Flach. You can find it here: https://book.simply-logical.space/.

Building the Book

To build this book you need two Python packages: `jupyter-book` and `sphinx-prolog`. You can either install them manually

```
pip install "jupyter-book>=0.10.0"
pip install "sphinx-prolog>=0.5"
```

or by using our `requirements.txt` file, i.e., `pip install -r requirements.txt`. Then, the book can be built with `jb build .`.

> **Note**
>
> For more details about installing necessary dependencies and building this book see the **`README.md`** file included in the GitHub repository that holds the source of this book.

Contents

In this book you will find information on how to:

- deploy your book to GitHub Pages;
- configure Jupyter Book to generate interactive Prolog content; and
- use Prolog-specific content, including interactive SWISH code boxes.

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This book is a template for building interactive Prolog books using SWI Prolog and SWISH. The book is based on Jupyter Book, and the Prolog support is enabled with our custom sphinx-prolog extension. The source of this book is available on GitHub.