

Business Process Model Pattern Repository: Short User Guide

The following document gives a short overview on how to use our Business Process Model Pattern Repository.

1 Browse the Pattern Repository

The Business process model pattern repository has been implemented as a single web page application available at <http://www.bmpatterns.org>. After loading the page, a short introduction text is displayed along with the possibility to expand the full pattern classification scheme (button “Show detailed criteria“). Furthermore, a pattern taxonomy can be displayed on the page (cf. Fig. 1, ❶). Next to the ordering number (ID) of each pattern category in the taxonomy there is a small number within a small grey-shaded circle as well as a question mark. The number represents the total amount of pattern works in that category. When hovering with the mouse over the question mark, the description of the pattern category is displayed. By clicking on the link of each category text, the website is dynamically expanded and all pattern works are shown in separate boxes (cf. Fig. 1, ❷). The title of the paper serves as a label for each of the boxes. The boxes are clickable buttons that link to a webpage associated with the paper (e.g. the publisher’s webpage or authors page on scientific networks).

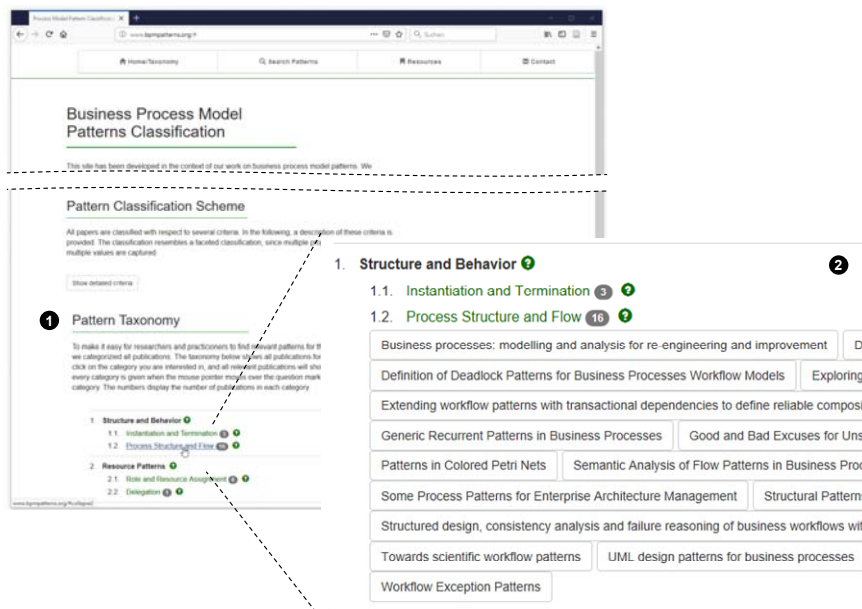


Fig. 1: Start Page of the Repository and Contents of Pattern Category 1.2

2 Advanced Search and Filtering Features

In order to utilize advanced filtering options, click on the „Search Patterns“-button on the top of the page. A table of patterns appears whereby each pattern work is contained in a row that is further described in columns by values of a set of pre-selected properties that originate from the pattern classification (cf. Fig. 2, ❶).

You can dynamically add or remove columns to the table by just clicking on „Column visibility“ and then selecting or de-selecting columns in the context menu (cf. Fig. 2, ❷). In this way, the look of table can be customized. In order to further refine the contents of the table, you can leverage the search-box in the upper right corner of the page. Every property of the classification can be used to filter the contents in the table, regardless if the property values are displayed in a column of the table or not.

Note: More than 1,000 keywords have been manually added to the data. In this way, you can retrieve pattern works even if you use a different terminology than the authors of the pattern works. For example, if you insert the following phrase “structure 1.” (cf. Fig. 2, ❸), then the result table is reduced to three result rows accordingly. Whereas for two of these entries, the word “structure” is contained in the paper title, the third entry does not contain this word in the paper title.

The figure illustrates the search interface of a repository. It shows a table of search results with columns for Title, Download, Year, and Category. A search box at the top right contains the text "structure 1.". A column visibility menu is open, showing options for Title, Download, Origin, and Method of Creation. The search results are filtered to three entries based on the search term.

Title	Download	Year	Category
A compliance management framework for business process models		2010	6.1
A Model-Driven Approach for Generating Business Processes and Process Interaction Semantics		2009	8.3
A Formalized Approach to Business Process Modeling and Implementation in Web Services		2006	8.3

Title	Download	Year	Category
Good and Bad Excuses for Unstructured Business Process Models		2007	1.2
Structured design, consistency analysis and failure reasoning of business workflows with activity-control templates and causal ordering		2010	1.2
Workflow Control Flow Patterns: A Revised View		2008	1.2

Fig. 2: Search Page of the Repository, Columns and (Semantic) Search