

Paging and filtering are features that help users navigate through large lists of data.

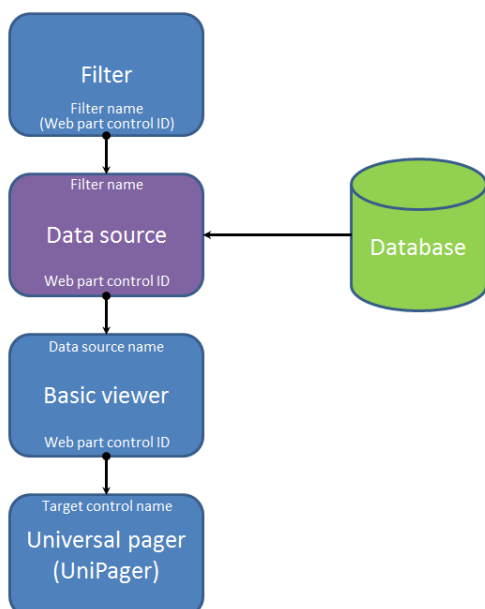
**Filters** allow users to limit which data is displayed directly on the live site. The system provides several built-in filters for various types of data, and also allows developers to [create custom filters](#). Filters connect to data sources, and dynamically generate additional conditions that the system applies when loading data.

**Pagers** separate lists of data into multiple pages and provide navigation between the pages. To implement paging, connect a **Universal pager** to your listing components. You have full control over the appearance of the pager (the design is based on [transformations](#)). See the documentation of the [UniPager control](#) for details.



**Note:** When adding filters or pagers to lists of data, we strongly recommend using a separate data source web part connected to **Basic** listing web part. Because of differences in the life cycle of individual components, filters and pagers may not work correctly in all possible scenarios for web parts with built-in data sources.

The diagram below illustrates how to link together data web parts with a pager and filter. You can place the web parts anywhere on the same page without any change in functionality. The captions at the beginning and end of the lines between the web parts show the properties that connect the components. The linked properties must have identical values.



#### Data loading when using paging

By default, [page](#) and [query](#) data sources *load data per-page* when you connect a Universal pager. Instead of retrieving the full data for all pages, the data source loads and [caches](#) individual pages separately, which reduces the initial load time. You can disable per-page loading through the **Load pages individually** property of data source web parts (in the **System settings** category).

**Note:** To use per-page loading for query and page attachment data sources, you need to fill in values into the **ORDER BY expression** and **Selected columns** properties.

## Example

The following example demonstrates how to provide filtering and paging functionality for a list of articles. You can use the same approach for any type of data.



**Note:** The example works with data from the sample *Dancing Goat* site. You can, for example, replace the original **Repeater** web part for displaying articles on the **Articles** page.

## Creating the list of articles

Start by creating a page with components that generate a basic list of articles:

1. Open the **Pages** application.
2. [Create a new page](#) on your website.
3. Open the **Design** tab.
4. [Add](#) the **Pages data source** web part onto the page.
5. Set the following properties for the **Pages data source**:
  - **Path:** /Articles/%
  - **Page types:** DancingGoat.Article
6. Click **Save & Close**.
7. Add the **Basic repeater** web part below the data source.
8. Set the following properties for the **Basic repeater**:
  - **Data source name:** PagesDataSource (*the default ID of the Pages data source web part*)
  - **Transformation name:** DancingGoat.Article.List
  - **Selected item transformation:** DancingGoat.Article.Detail
9. Click **Save & Close**.

The data source loads all pages with articles on the website, and the connected **Basic repeater** displays the data on the page.



# Dancing Goat


/Articles - page template: ad-hoc

ZoneMain

Breadcrumbs

PagesDataSource


BasicRepeater



November 18

## Coffee Beverages Explained


Espresso and filtered coffee are two main categories of coffee based on the method of preparation. Learn about individual types of coffee that fall to these categories.



November 02

## Coffee processing techniques

Learn about the techniques of processing the products of coffee plants. Different methods are used in different parts of the world depending mainly on their weather conditions.



November 07

## On Roasts

Roasting coffee beans can take from 6 to 13 minutes. Different roasting times produce different types of coffee, with varying concentration of caffeine and intensity of the original flavor.

## Adding a filter

The system provides a default filter that allows users to limit which articles the page displays (based on various criteria). To integrate the filter:

1. [Add](#) the **Page name filter** web part above the Basic repeater.
2. Set the web part's **Web part control ID** property to *PageNameFilter*.
3. Click **Save & Close**.
4. Configure (double-click) the **Pages data source** web part.
5. Type the filter's name (*PageNameFilter*) into the data source's **Filter name** property.
6. Click **Save & Close**.

The filter is now connected to the **Pages data source** web part. The data source loads a limited set of items according to the selected filter options.


You can try out the filter on the live site. For example, use the filter to display only articles containing the word *techniques*.

# Dancing Goat

Search

techniques

Search



November 02

## Coffee processing techniques

Learn about the techniques of processing the products of coffee plants. Different methods are used in different parts of the world depending mainly on their weather conditions.

### Setting up paging

Paging can be useful when displaying a large number of records. To add a pager to the list of articles:

1. [Add](#) the **Universal pager** web part onto the page, below the **Basic repeater**.
2. Set the following properties for the pager:
  - **Target control name:** BasicRepeater (*the default ID of the Basic repeater web part*)
  - **Page size:** 3
  - **Paging mode:** Postback
  - **Page layout transformation:** CMS.PagerTransformations.General-PagerLayout
3. Click **Save & Close**.

The Universal pager connects to the **Basic repeater** and separates the displayed data into multiple shorter pages.

You can try out the pager on the live site. The page now only includes up to 3 articles, and allows users to switch between pages.



Search



November 18

## Coffee Beverages Explained

Espresso and filtered coffee are two main categories of coffee based on the method of preparation. Learn about individual types of coffee that fall to these categories.



November 02

## Coffee processing techniques

Learn about the techniques of processing the products of coffee plants. Different methods are used in different parts of the world depending mainly on their weather conditions.



November 07

## On Roasts

Roasting coffee beans can take from 6 to 13 minutes. Different roasting times produce different types of coffee, with varying concentration of caffeine and intensity of the original flavor.

[≤](#) [1](#) [2](#) [≥](#) Pages: 1 of 2