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Foswiki::Iterator

package Foswiki::Iterator

This class cannot be instantiated on its own - it is an interface specification for iterators. See http://en.wikipedia.org/wiki/Iterator_Pattern for more information on the iterator pattern.

The interface only supports forward iteration. Subclasses should use this as their base class (so that `$it->isa("Foswiki::Iterator")` returns true), and must implement `hasNext` and `next` per the specification below.

See `Foswiki::ListIterator` for an example implementation.

hasNext() -> \$boolean

Returns true if the iterator has more items, or false when the iterator is exhausted.

next() -> \$data

Return the next data in the iteration.

The data may be any type.

The iterator object can be customised to pre- and post-process entries from the list before returning them. This is done by setting two fields in the iterator object:

- `{filter}` can be defined to be a sub that filters each entry. The entry will be ignored (`next()` will not return it) if the filter returns false.
- `{process}` can be defined to be a sub to process each entry before it is returned by `next`. The value returned from `next` is the value returned by the process function.

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