

```
<?xml version="1.0" encoding="UTF-8"?>
```

```
<!-- helloworld.fo -->
```

```
<root xmlns='http://www.w3.org/1999/XSL/Format'>
```

```
<layout-master-set>
  <simple-page-master master-name='A4'
    page-height='297mm'
    page-width='210mm'
    margin='20mm'>
    <region-body region-name='xsl-region-body'
      margin-top='10mm' />
  </simple-page-master>
</layout-master-set>
```

`<layout-master-set>`
defines the format
and layout of the
document pages.

`<region-*>` elements
sets up basic values
for specific `<flow>` areas
of the page

```
<page-sequence master-reference='A4'>
  <flow flow-name='xsl-region-body'>
    <block font-size='30'>Hello FO world</block>
  </flow>
</page-sequence>
```

A FO-document needs one
or more `<page-sequence>`.

Each refers to a specific
`<simple page-master>`
and can contain one
or more `<flow>`

```
</root>
```

`<block>` is the most basic
”building block”
of a FO document

root

layout-master-set

declarations

bookmark-tree

page-sequence

root

media-usage="auto/paginate/bounded-in-one-dimension/unbounded"

The root (top) node for XSL-F0 documents

layout-master-set

Holds all masters used in a document

simple-page-master

Defines the size and shape of a page

region-before

Defines a page header

region-body

Defines a page body

region-after

Defines a page footer

region-end

Defines the right sidebar of a page

region-start

Defines the left sidebar of a page

page-sequence-master

Specifies which simple-page-masters are to be used and in which order

repeatable-page-master-alternatives

Specifies repetition of a set of simple-page-masters

single-page-master-reference

Specifies a page-master to be used at a given point in the sequence of pages

repeatable-page-master-reference

Specifies repetition of a single simple-page-master

conditional-page-master-reference

Specifies a page-master to be used when the conditions defined are true

declarations

Groups global declarations for a stylesheet

color-profile

Defines a color-profile for a stylesheet

page-sequence

A container for page output elements. There will be one <fo:page-sequence> object for each page layout

flow

Contains all elements to be printed to a page

block

Defines a block of output (e.g. paragraphs and titles)

inline

Formats a part of a text with a background or enclosing it in a border

character

Specifies a character that will be mapped to a glyph for presentation

static-content

Contains static content (e.g. headers and footers) that will be repeated on many pages

leader

Used to generate "." to separate titles from page numbers in table of contents, or to create input fields in forms, or to create horizontal rules

bidirectional-override

Overrides the default Unicode BIDI direction

external-graphic

Typically used to position an image in a separate area at the beginning of a page OR to position an image to one side, with the content flowing along-side of the image

block-container

Defines a block-level reference-area

basic-link

Represents the start resource of a link

marker

Used with <fo:retrieve-marker> to create running headers or footers

float

Used for a graphic where the graphics data resides outside of the XML result tree

wrapper

Specifies inherited properties for a group of XSL-FO objects

title

Defines a title for a page-sequence

footnote

Defines a footnote within the region-body of a page

retrieve-marker

Used with <fo:marker> to create running headers or footers

footnote-body

Defines the content of the footnote

initial-property-set

Formats the first line of an <fo:block>

page-number

Represents the current page-number

inline-container

Defines an inline reference-area

page-number-citation

References the page-number for the page that contains the first normal area returned by the cited object

instream-foreign-object

Used for inline graphics or for "generic" objects where the object's data resides as descendants of <fo:instream-foreign-object>

table

Formats the tabular material of a table

table-column

Formats the columns of a table

table-header

Defines a table header

table-row

Defines a table row

table-cell

Defines a table cell

table-caption

Contains the caption for a table

table-body

Container for table rows and table cells

table-footer

Defines a table footer

table-and-caption

Formats a table and its caption

list-item

Contains each item in the list

list-block

Defines a list

list-item-body

Contains the content/body of the list-item

list-item-label

Contains the label for the list-item (typically a number, character, etc.)

multi-properties

Used to switch between two or more property-sets

multi-case

Contains (within an <fo:multi-switch>) each alternative sub-tree of XSL-FO objects. The parent <fo:multi-switch> will choose which alternative to show and hide the rest

multi-property-set

Specifies an alternative property-set that will be applied depending on the state of the user agent

multi-toggle

Used to switch to another <fo:multi-case>

multi-switch

Holds one or more <fo:multi-case> objects and controls the switching between them (activated by <fo:multi-toggle>)

fo:root

media-usage="auto|paginate|bounded-in-one-dimension|unbounded"

The root (top) node for XSL-FO documents

layout-master-set

Holds all masters used in a document

simple-page-master

master-name="name" page-height="auto|indefinite|length" page-width="auto|indefinite|length"
[margin-top;margin-bottom;margin-left;margin-right]="auto|length|percentage" [space-before;space-after]="space"
[end-indent;start-indent]="length|percentage" reference-orientation="0|90|180|270|-90|-180|-270"
writing-mode="lr-tb|rl-tb|tb-rl|lr-rl|rl-tb"

Defines the size and shape of a page

region-body; region-before; region-after; region-start; region-end;

region-name="name" background-attachment="scroll|fixed" background-color="transparent|color"
background-image="none|URL" background-repeat="repeat|repeat-x|repeat-y|no-repeat"
background-position-horizontal background-position-vertical
[border-bottom-color;border-right-color;border-left-color;border-top-color;
border-start-color;border-end-color;border-before-color;border-after-color]="color"
[border-start-style;border-end-style;border-top-style;border-bottom-style;
border-right-style;border-left-style;border-before-style;border-after-style];
="none|hidden|dotted|dashed|solid|double|groove|ridge|inset|outset"
[border-top-width;border-bottom-width;border-end-width;border-left-width;border-right-width;
border-start-width;border-before-width;border-after-width]="thin|medium|thick|length|length-conditional"
[padding-before;padding-after;padding-start;padding-end;padding-top;
padding-bottom;padding-left;padding-right]="auto|length|percentage|length-conditional"
[margin-top;margin-bottom;margin-left;margin-right]="auto|length|percentage"
[space-before;space-after]="space" start-indent end-indent clip column-count column-gap display-align
overflow reference-orientation writing-mode

Defines a page body

page-sequence-master

master-name

single-page-master-reference

master-reference

repeatable-page-master-reference

maximum-repeats

repeatable-page-master-alternatives

maximum-repeats

conditional-page-master-reference

master-reference page-position
Odd-or-even blank-or-not-blank

fo:root

media-usage="auto|paginate|bounded-in-one-dimension|unbounded"

The root (top) node for XSL-FO documents

declarations

-
Groups global declarations for a stylesheet

color-profile

src color-profile-name
rendering-intent

Defines a color-profile for a stylesheet

bookmark-tree

-
The fo:bookmark-tree formatting object is used to hold a list of access points within the document such as a table of contents, a list of figures or tables, etc. Each access point is called a bookmark.

bookmark

source-document role external-destination="URI"
Internal-destination starting-state

The fo:bookmark formatting object is used to identify an access point, by name, and to specify where that access point is within the current document or another external document. A given bookmark may be further subdivided into a sequence of (sub-)bookmarks to as many levels as the authors desire.

bookmark-title

source-document role color
font-style font-weight

The fo:bookmark-title formatting object is used to identify, in human readable form, an access point.

fo:root

media-usage="auto|paginate|bounded-in-one-dimension|unbounded"

The root (top) node for XSL-FO documents

page-sequence

master-reference="name" id="id" country="country|none" force-page-count format
grouping-separator grouping-size initial-page-number language="language|none" letter-value

A container for page output elements. There will
be one <fo:page-sequence> object for each page layout

flow

flow-name="name"

Contains all elements to be printed to a page

block

id="id" source-document role background-attachment background-color background-image
background-repeat
background-position-horizontal background-position-vertical border-before-color
border-before-style border-before-width border-after-color border-after-style
border-after-width border-start-color border-start-style border-start-width
border-end-color border-end-style border-end-width border-top-color border-top-style
border-top-width border-bottom-color border-bottom-style border-bottom-width border-left-color
border-left-style border-left-width border-right-color border-right-style border-right-width
padding-before padding-after padding-start padding-end padding-top padding-bottom padding-left
padding-right font-family font-selection-strategy font-size font-stretch font-size-adjust
font-style font-variant font-weight country language script hyphenate hyphenation-character
hyphenation-push-character-count hyphenation-remain-character-count margin-top margin-bottom
margin-left margin-right space-before space-after start-indent end-indent relative-position
break-after break-before color text-depth text-altitude hyphenation-keep hyphenation-ladder-count
intrusion-displace keep-together keep-with-next keep-with-previous last-line-end-indent
linefeed-treatment line-height line-height-shift-adjustment line-stacking-strategy orphans
white-space-treatment span text-align text-align-last text-indent visibility white-space-collapse
widows wrap-option

Defines a block of output (e.g. paragraphs and titles)

inline

id source-document role background-attachment background-color background-image
background-repeat background-position-horizontal background-position-vertical
border-before-color border-before-style border-before-width border-after-color
border-after-style border-after-width border-start-color border-start-style
border-start-width border-end-color border-end-style border-end-width border-top-color
border-top-style border-top-width border-bottom-color border-bottom-style
border-bottom-width border-left-color border-left-style border-left-width
border-right-color border-right-style border-right-width padding-before padding-after
padding-start padding-end padding-top padding-bottom padding-left padding-right
font-family font-selection-strategy font-size font-stretch font-size-adjust
font-style font-variant font-weight space-end space-start relative-position
align-ment-adjust alignment-baseline baseline-shift block-progression-dimension color
dominant-baseline height inline-progression-dimension keep-together keep-with-next
keep-with-previous line-height text-decoration visibility width wrap-option

static-content

flow-name

block

inline

fo:root

media-usage="auto|paginate|bounded-in-one-dimension|unbounded"

The root (top) node for XSL-FO documents

page-sequence

flow

block

basic-link

leader

page-number-citation

page-sequence

flow

block

external-graphic

table

table-column

table-body

table-row

table-cell