# Simple FO example

```
<?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'
----:</pre>
                           page-height='297mm'
                           page-width='210mm'
margin='20mm'>
      <region-body
region-name='xsl-region-body'
margin-top='10mm' />
    </simple-page-master>
  </layout-master-set>
  <page-sequence master-reference='A4'> -----:
    <flow | flow-name='xsl-region-body'> ......
      <block font-size='30'>Hello FO world</block>
    </flow>
  </page-sequence>
</root>
```

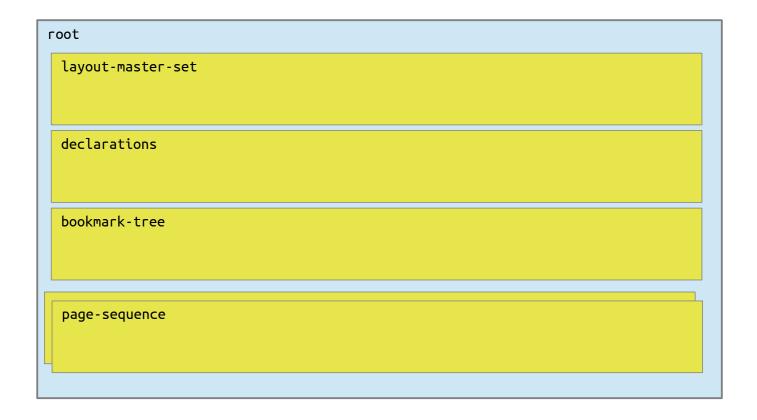
<layout-master-set> defines the format and layout of the document pages.

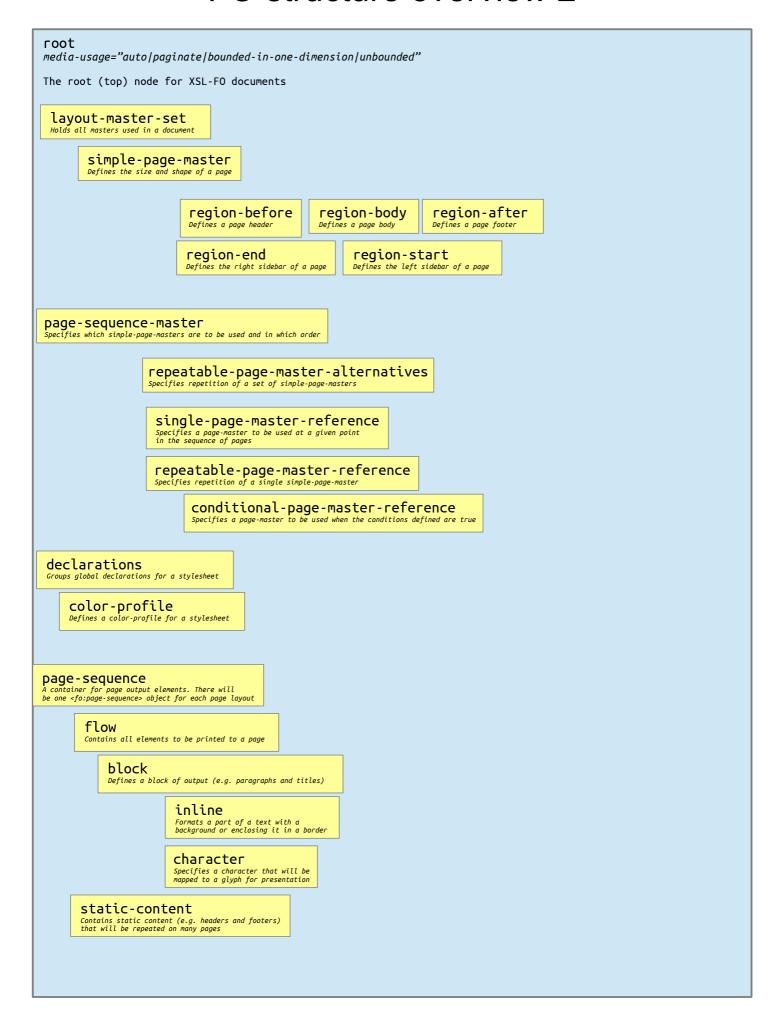
<region-\*> elements sets up basic values for specific <flow> areas of the page

A FO-document needs one or more or ge-sequence>.

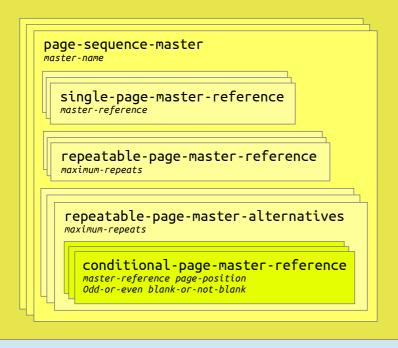
Each refers to a specific <simple page-master> and can contain one or more <flow>

<br/>
<br/>
'building block''<br/>
of a FO document





# 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|rr|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-betom;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



#### 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

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

 $\operatorname{id}="id"$  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-style border-end-width border-top-color border-top-style border-top-width border-bottom-color 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 hyphen-ation-character hyphenation-push-character-count hyphenation-remain-charac-ter-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

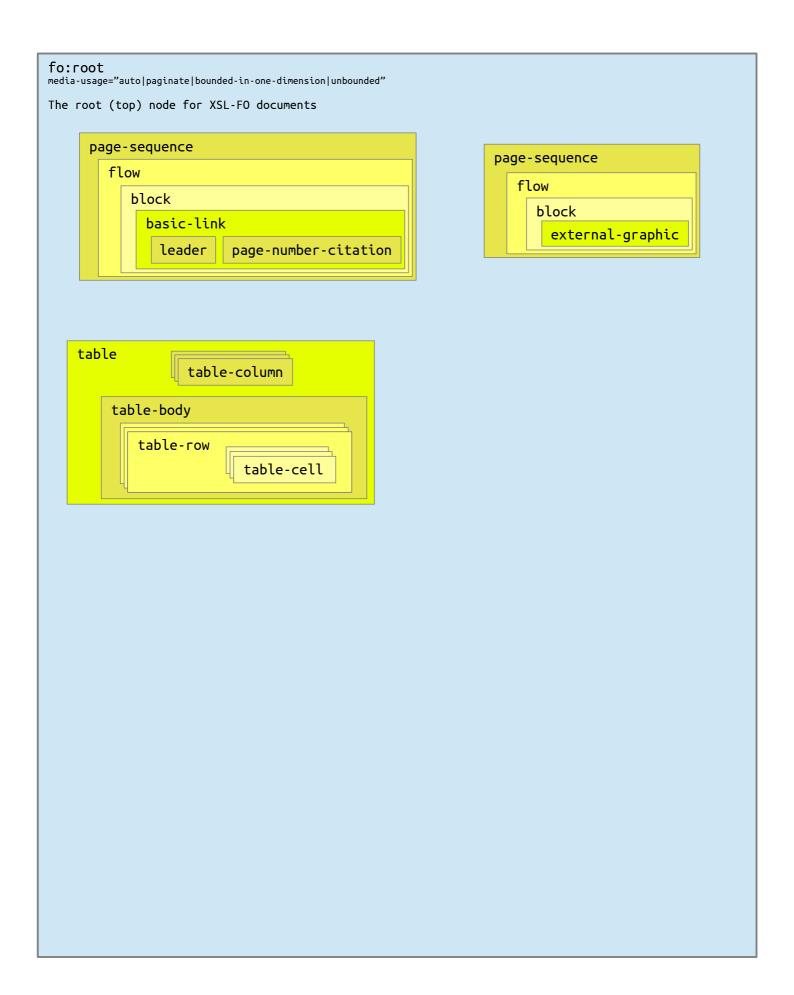
Defines a block of output (e.g. paragraphs and titles)

#### 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-after-width border-start-style border-start-width border-end-color border-top-style border-top-width border-bottom-color border-bottom-style border-top-width border-left-style border-left-width border-left-color border-left-style border-left-width border-right-color 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



#### 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

#### bidi-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

#### basic-link

block-container Defines a block-level reference-area

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

page-number
Represents the current page-number

inline-container Defines an inline reference-area

### initial-property-set Formats the first line of an <fo:block>

#### 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>

### list-item

Contains each item in the list

list-block Defines a list

#### table-column

table

Formats the columns of a table

Formats the tabular material of a table

multi-case

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.)

#### table-header

Defines a table header

table-row Defines a table row

#### table-cell

table-caption

table-and-caption Formats a table and its caption

### Defines a table cell

Contains the caption for a table

#### table-body

Container for table rows and table cells

#### table-footer Defines a table footer

#### multi-properties

Used to switch between two or more property-sets

### multi-property-set

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

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-switch

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

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