complete and international and open typesetting engine

Point of view

The paradigm of the layout of the book is moving towards a new paradigm, **the transformation of the layout**. The Web provides the notion of liquid interface but this approach is not sufficient. The revolution in digital publishing is globally about the entry of professional literary and graphic content (validated by an expert: the publisher hiring an an another expert: the author) in the web in a much more massive scale than before.

For each transformation due to a work put on a [smaller] [larger] screen or a [zoom] action, the layout must keep its perfect readability. Now we can not go back on the need for a perfectly managed typography

Suggestion

We all need that the web (and therefore ePub) can display an excellant typesetting.

We need an evolved opensource & standard typesetting engine that browsers will implement.

That engine will manage all the features of OpenType, hyphenation, limits on consecutive hyphens, punctuation outside or aside text block, all type of spaces, managment of widows and orphans lines.

and maybe the engine should be able to tell when it is no longer capable of working in a sudden change in layout to help dev/designers manage graphical limits.

There is two path to do it :

1. To really build that typesetting engine as something to be implemented by Gecko, WebKit, Blink … etc

2. To built equivalent of Acid Test for typography and let HTML, CSS engine build their own advanced typesetting engine.

Epub will directely benefit from every evolution in that direction

Actialuna

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Participants : **Samuel Petit** (Actialuna's CEO) and **Mihnea Tufis** (Actialuna's University Partner, Lip6, UPMC)

Références

La presse par ses besoins d'illustration, explications, mise à jour issus de webservice et d'une mise en page qui compacifie l'information a besoin d'être lisible sur les devices populaires. En ce sens AHL apporte une réponse à ce b

Chained svg bloc text

Point of view

In the concept of reflowable ePub we have the concept of a book as a test feed ; in the ePub 3 Fixed Layout we have a spine which orders the elements (=the pages) in HTML (Each page is a separate member from each other). Yet a xPress or InDesign document, we have both the concept of pages disconnected in terms of graphics of the concept of bloc. Those blocs can be chained from one page to another. More blocks of text can have various shapes.
The problem of this concept is: it happens when the layout changes.

Use Cases

Any advanced Layout in ePub 3 Fixed Layout document and tomorrow in advanced layout in none Fixed Layout

See all inDesign cases

Suggestion

Introduce a notion of chained block text
- that can have a free vector form
- be chained
- and which can be defined in the Advanced liquid interface in terms of positioning behavior.

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Logical words in advanced layout

Point of view

The paradigm of the layout of the book is moving towards a new paradigm, **the transformation of the layout**. The Web provides the notion of liquid interface but this approach is not sufficient. The book is a an artistic expression, it is necessary that designers can editorialize those transformation.

For each transformation due to a work put on a [smaller] [larger] screen or a [zoom] action, the layout must be flexible in terms of readability.

But layout is all about SENSE. Nous devons avoir des mots logiques qui s'adaptent en fonction de l'évolution du layout. on the same principle as a internationnal date function that displays the date in a format.

Use Cases

- In the layout used adapted to a tablet, there is a caption next to a picture that says : «on left … blabla».
  Now, the <u>same</u> content is seen on a smartphone and the layout adapts to the screen and the legend is now <u>below</u> the picture. The "on left" should <u>automatically</u> becomes "above".

- It work for simple reflowable ePub with a function like : "on next page " … etc.

- It work for a graphic code like color

Suggestion

We need to have the possibility to input some logical word on a HTML interface in a book.

Wec need to connect a logic word (with any international declination) with an element of the layout. If this element undergoes a change in the layout, the word must change conditionnally.

This is therefore a sort of extension of logical functions existing like the date

They is a need to focus only on very common and generic use (caption, …)

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Notion of limit in CSS

Point of view

The paradigm of the layout of the book is moving towards a new paradigm, **the transformation of the layout**. The Web provides the notion of liquid interface but this approach is not sufficient. The book is a an artistic expression, it is necessary that designers can editorialize those transformation.

For each transformation due to a work put on a [smaller] [larger] screen or a [zoom] action, the layout must be flexible in terms of readability and undergo changes beyond some of **conditional CSS limit.**

It can complete perfectly the work done to introduce rendition in ePub done by AHL Working Group.

Use Cases

- If the user dezoom text in an ePub, below a certain limit typography must change to remain legible (serif to sans serif…)

- A picture of a politician group (in press) must be able to **resize and crop** in order to stay on the leading personages of the article without involving any .js (and browsers to show a button for a full view)

Suggestion

Introduce the concept of **conditional limit** to change any parameter appearance in any CSS.

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Références

CSS current work (www.w3.org/Style/CSS/current-work)