What happened to
Extended Layout Management?

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Openismus
Extended Layout Management

- Bug #104188 – Add height-for-width geometry management
- Bug #101968 – Height-for-width wrapping for GtkWidget
Natural Size

Current unpleasant state:

el... expand and fill

The benefit of supporting natural size:

ellipsise and fill expand and fill
Height for Width

Current state:
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat. Ut wisi enim ad minim veniam, quis nostrud exerci tatio

The effect of height-for-width:
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat. Ut wisi enim ad minim veniam, quis nostrud exerci tatio
Baseline Alignment

Current state:

Large Text

Regular Text

Baseline alignment:

Large Text

Regular Text
Google Summer of Code

- Google Summer of Code 2007 mentored by Federico Mena-Quintero
- SoC patch set suggested for review in November 2007
- Behdad and Havoc suggested improvements for widget placement and API
- Test implementation of the suggestions for GtkLabel and GtkHBox in January 2008
But not there yet!

- Still didn't make it for GTK+ 2.14

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Nice Distractions
Future?

- Will meet with Tim Janik during Maemo Summit for review, discussion, merge plan
- Release with GTK+ 2.16
GtkExtendedLayout Interface

```c
void (*get_desired_size)(GtkExtendedLayout *layout, GtkRequisition *minimum_size, GtkRequisition *natural_size);

static void maman_bar_size_request (GtkWidget *widget, GtkRequisition *requisition)
{
    GTK_EXTENDED_LAYOUT_GET_IFACE (widget)->get_desired_size (widget, requisition, NULL);
}
```
GtkExtendedLayout Interface

```c
void (*get_width_for_height) (GtkExtendedLayout  *layout,
                      gint          height,
                      gint          *minimum_width,
                      gint          *natural_width);

void (*get_height_for_width) (GtkExtendedLayout  *layout,
                      gint          width,
                      gint          *minimum_height,
                      gint          *natural_height);
```