

Practical Recommendations for Maemo Application's User Interface Developing

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Introduction

- ▶ **Andrew Zhilin**

graphic designer/UI designer

- ▶ **Maemo projects**

OMWeather

Personal Menu/Launcher

Large Statusbar Clock

Titan Theme

Almost Ti

Marat Fayzullin's Console Emulators

OSM2GO

- ▶ **Always open for collaboration**

UI Framework

```
int main(int argc , char *argv[])
{
    /* Create needed variables */
    HildonProgram *program;
    HildonWindow *window;
    /* Initialize the GTK. */
    gtk_init(&argc , &argv);
    /* Create the Hildon program and set it to program */
    program = HILDON_PROGRAM(hildon_program_new());
    g_set_application_name("App Title");
    /* Create HildonWindow and set it to window */
    window = HILDON_WINDOW(hildon_window_new());
    hildon_program_add_window(program , window);
    /* Add example label to window */
    GtkWidget *label = gtk_label_new("HildonProgram");
    gtk_container_add(GTK_CONTAINER(window) , label);
    /* Begin the main application */
    gtk_widget_show(GTK_WIDGET(window));
    gtk_main();
    /* Exit */
    return 0;
}
```



GTK+ Hildon

Finger or Stylus?

Finger

On-the-Go apps
Media players
Image viewers
Quick-action apps



Stylus

File managers
Editors
Complex apps
Handwriting



Universal User Interface

Let **user** decide, which interaction method **he** wants to use
Add a button to the bottom panel for mode selection
Remember user-selected mode on exit
Good example of use - Personal Menu/Launcher

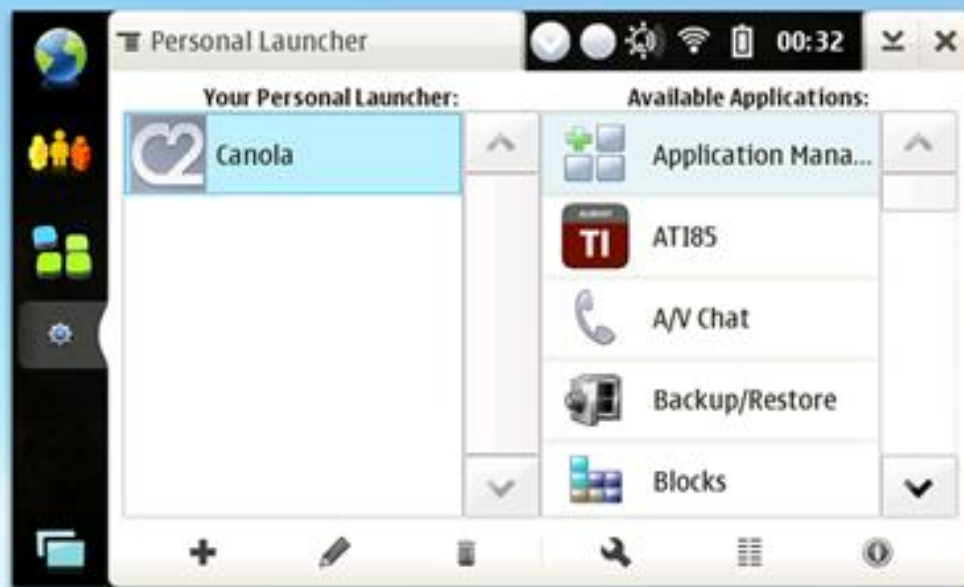
Example: Personal Launcher

Stylus-mode On



Example: Personal Launcher

Stylus-mode Off



Application programmed by Andrew Olmsted

Device Orientation

Desktop



Fixed screen orientation

Tablet



Dynamic screen orientation

Device Orientation

Portrait orientation benefits



One-handed use
Long list viewing
On-the-Go activity
Document viewing

Application examples:

Mediaplayer
Shopping list
PDF-reader

Portrait Application Example



Built-In Icons

usr/share/icons/hicolor/26x26



Example: Fuelpad

Before



After



Simplicity

Not functional but **visual simplicity**



Example: OMWeather

The screenshot displays the OMWeather application interface for Moscow. At the top, there are navigation arrows and the city name "Москва". Below this is a horizontal menu with days of the week in Russian: ПН, ВТ, СР, ЧТ, ПТ, СБ, ВС, ПН, ВТ. The current day is highlighted as "понедельник, 27 апрель".

The main content area shows the following weather information:

- Day:** 22°C, Sunny, Humidity: 39%, Wind: W, 5,28 m/s. Accompanied by a yellow sun icon.
- Night:** 9°C, Partly Cloudy, Humidity: 45%, Wind: W, 3,89 m/s. Accompanied by a moon and cloud icon.

Below the daily forecast, it shows "Sunrise: 05:50" and "Sunset: 21:00".

At the bottom of the main content area, there is a small text block: "Last update at server: 19:00:00 26.04.2009 station local time" and "Last update from server: 19:27:40 26.04.2009 current location local time".

A footer bar contains the text "Weather data provided by: weather.com - 2".

The bottom of the application features four circular icons: a location pin, a refresh symbol, a question mark, and a close symbol.

Example: Webkit-EAL Engine Switcher



Application programmed by Hannes Wallnoefer

Thank You

<http://tabletui.wordpress.com>
wazd@jabber.ru