

xPad

Building Simple Tablet OS with Gtk/WebKit

Patch first!

```
--- a 2010-08-15 06:20:34 +0800
+++ b 2010-08-15 06:20:47 +0800
@@ -1,3 +1,3 @@
```

```
-陳品軒 Penk xpad.org
+陳品勳 penk xpud.org
```

xPad

Building Simple Tablet OS with Gtk/WebKit

Ping-Hsun Chen

penk@uillab.org

twitter / plurk: @penk

penk:
"Web is the new graphic library!"TM

阿怪: "你究竟對 web 有多執著阿.."



Home



Menu



File



Setting

Welcome to xPUD

System Information



Online
dlink - 96%



87%
Charging

21:30
Dec 7 (Mon)

Quick Action



WiFi
setup wireless
connection



Power Off
turn off this machine



階段目標

- mkx pud – 系統自動建置懶人包
- rosetta.js – 多國語言翻譯架構
- plate UI – web-based 使用介面
- plate.js – 瀏覽器桌面框架



xPUD - Shortest Path to the ...

xpud.org

Sponsored by KaryoTechnologies

Home | About | Download | Forum Select a language: ▾

Welcome to xPUD

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A Firefox OS with an App Store.

The desktop has never been this easy – Get your favorite web browser with a simple web-based interface on top

Download 0.9.2

256MB RAM and 64MB free disk required.

1 Easy and Fast
Power on, get online. Start surfing or playing music and movies within seconds.

2 Thin and Rich
Not just the web, also access your data and run your favorite native applications.

3 Get More Apps
Extend functionality with plugins, the only limit is your imagination!

<http://xpud.org>

強而有力的一個
Powerpoint

崩潰指數: 67%

交織細膩的一個
Dreamweaver

崩潰指數: 89%

- Easily customizable
- Lightweight and effective
- Cross platform support
- Works on x86/ARM

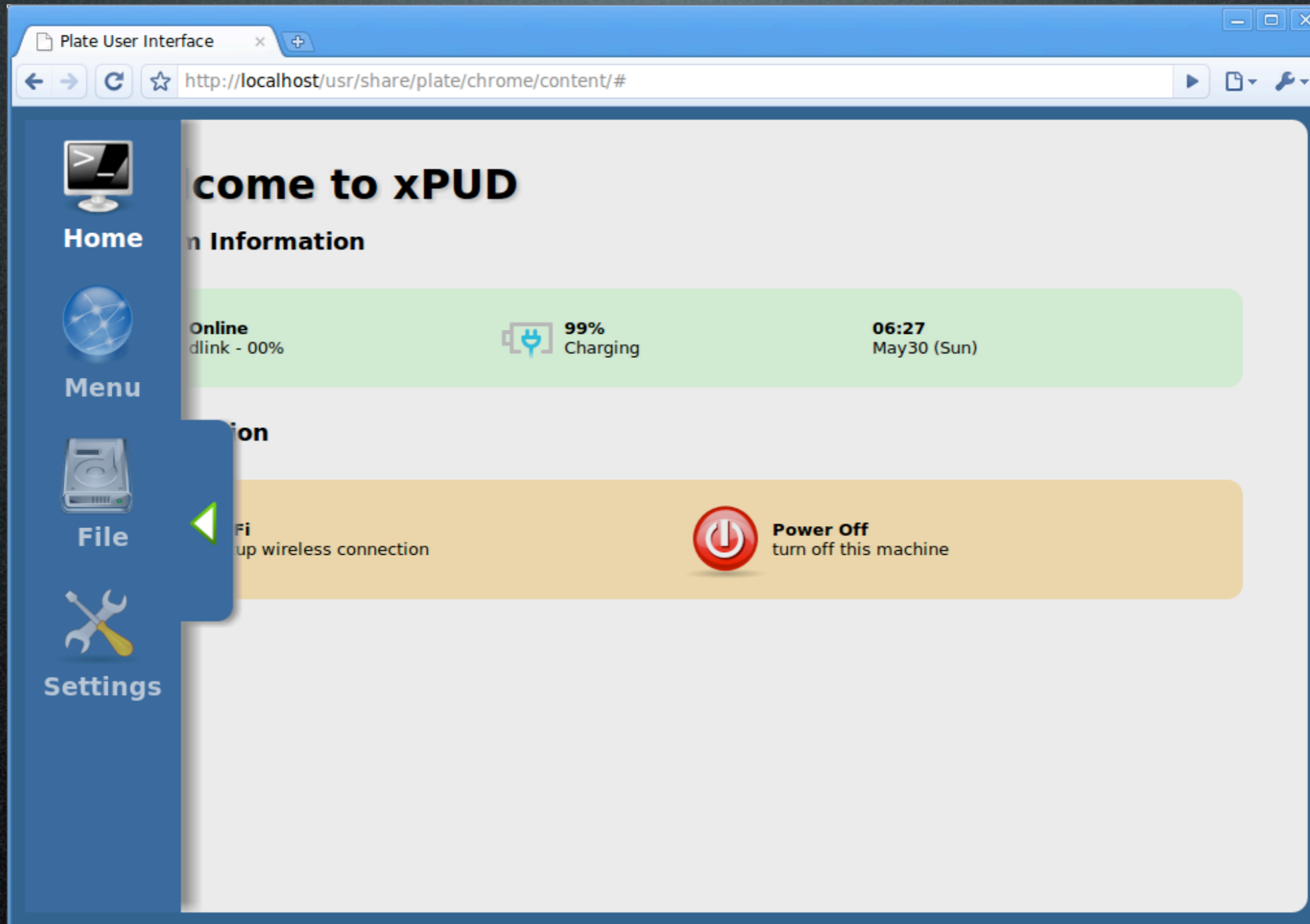
I code in C, but a
web developer in mind.

Touch-enhanced UI

- No `mouseover` event
- Finger-friendly control
- Every pixel counts!



PageCurl



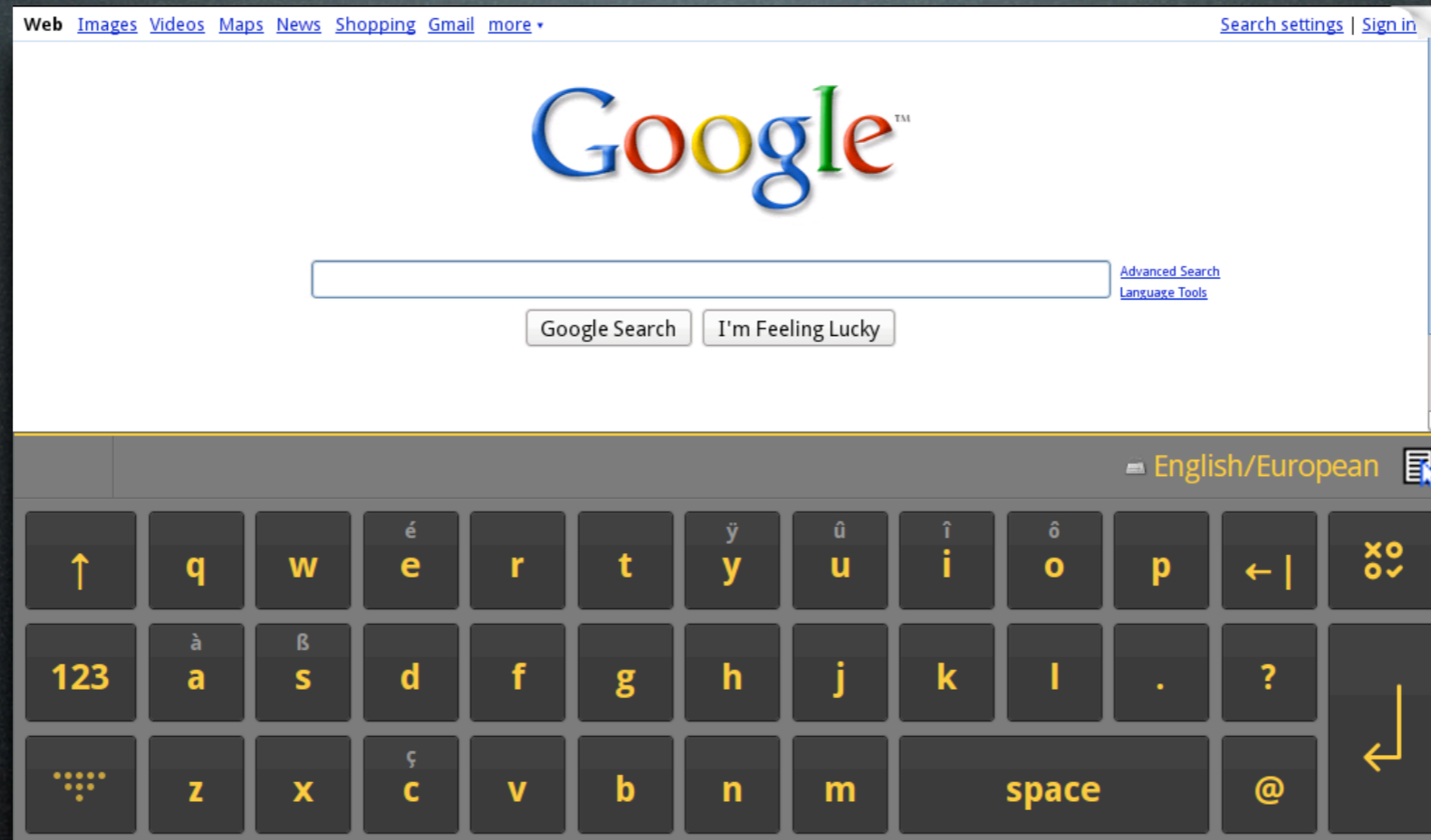
FloatingBar

Virtual Keyboard

- Need to combine input method
- Better keyboard layout
- And auto hide/show



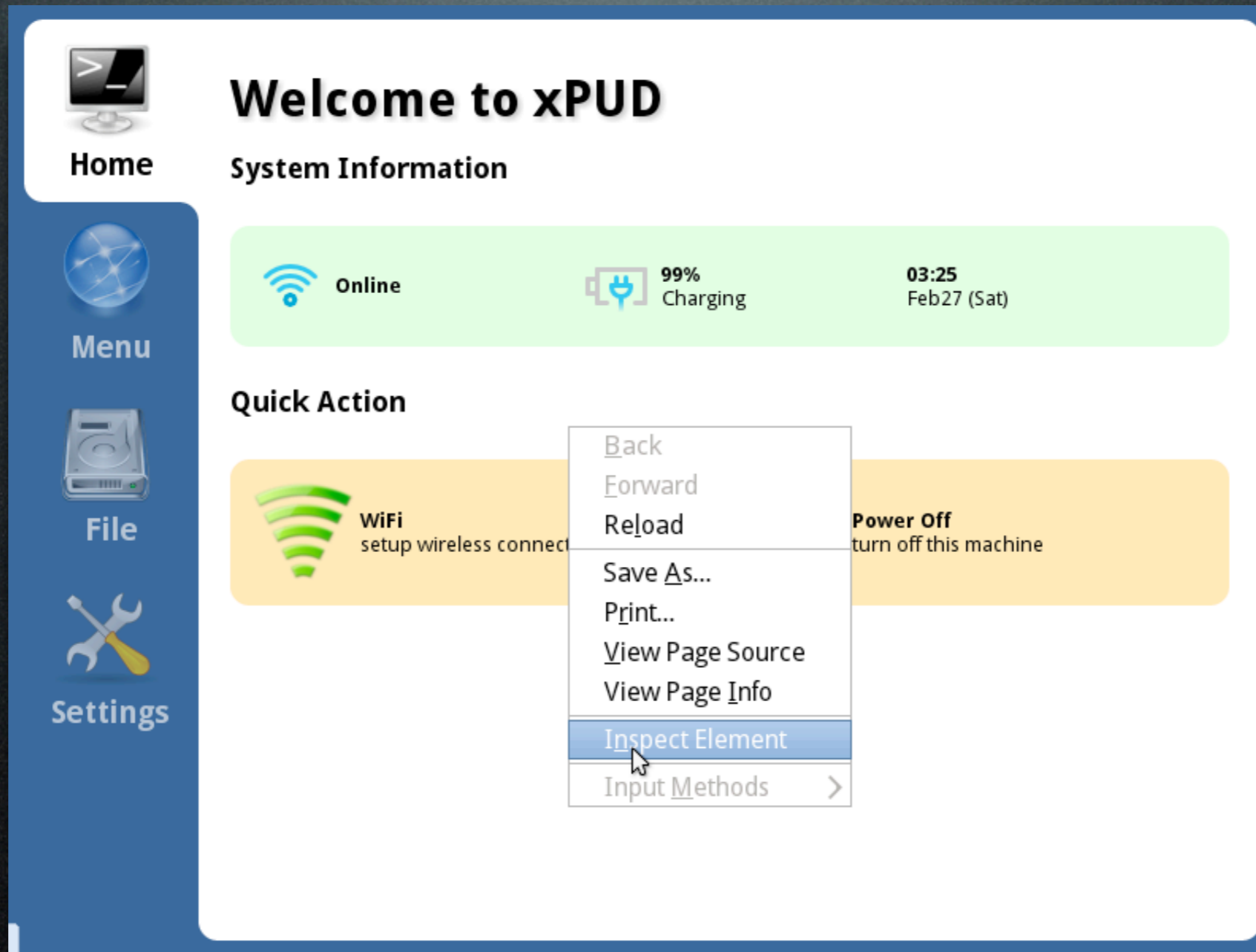
fvkbd-gtk



fvkbd-gtk

Browser

- Port to WebKit
- Kinetic scrolling
- Double-tab zooming
- And auto hide/show



TouchWeb

Feelingless UI

- Touch-enhanced “plate” UI
- CJK-friendly virtual keyboard
- “TouchWeb” browser

Deal the real problem

- According to the bug tracker/forum
 - Windows installer
 - Install software plugin
 - Keep persistent session

Deal the real problem



The mozplugger implementation

- NPAPI plugin
- “swallow” application into `<embed>`
- Can't handle exit/open window
- Need to listen DESTROY/MAP notify
- ..only window manager can do that

TableWare

writing window manager in html/css/javascript

TableWare

- A WebKit based-browser with JS/D-Bus bridge patch from Movial
- NPAPI plugin to create a X Window “hole”
- XCB-based wm mapping events to JSC engine through D-Bus
- Writing decorator in HTML/CSS!

tableware-webkit

tableware-plugin

tableware.js

tableware-wm



What Next?

- GObject DOM binding
- jQuery Mobile
- Comet Server (who knows?)
- <http://wiki.github.com/penk/mkxpud/next-generation-of-xpud>

Thanks!