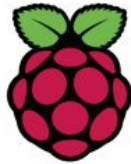


Open source

WEB KIOSK

beta



POWERED BY
Raspberry Pi

A stylized red wavy line representing a Raspberry Pi board, with a small red square icon at the right end, is located at the bottom of the text area.

Idea

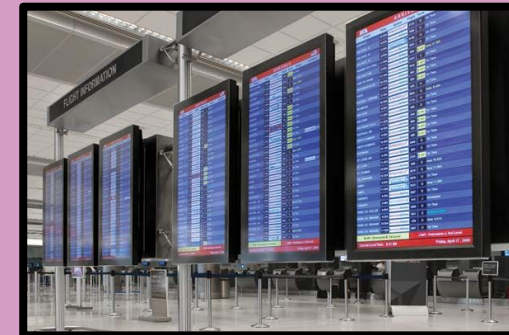


Open Source Web Kiosk?

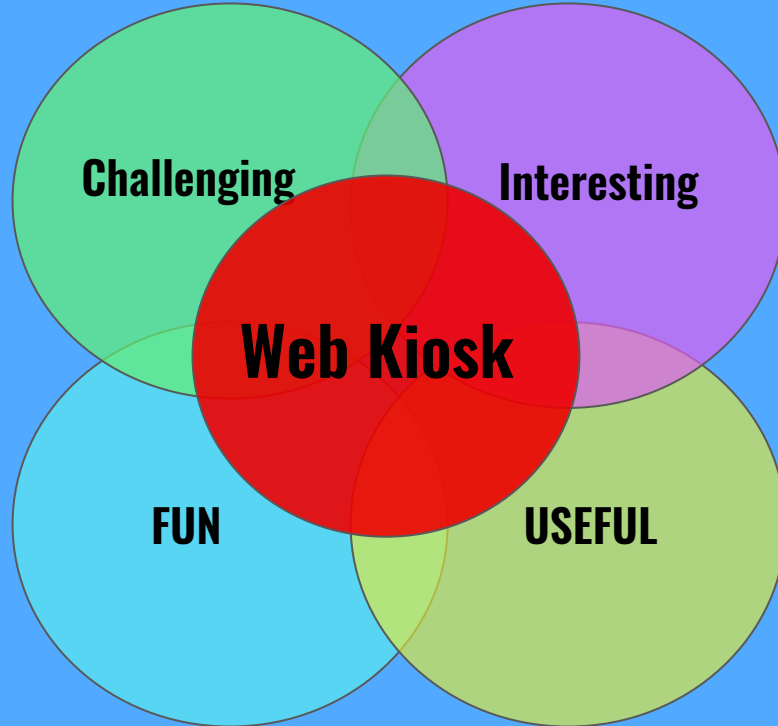
- Information Displayer (websites, photos, slideshows)
- Personalize
- Locked in Full Screen
- Automatic on Start-up

Found in:

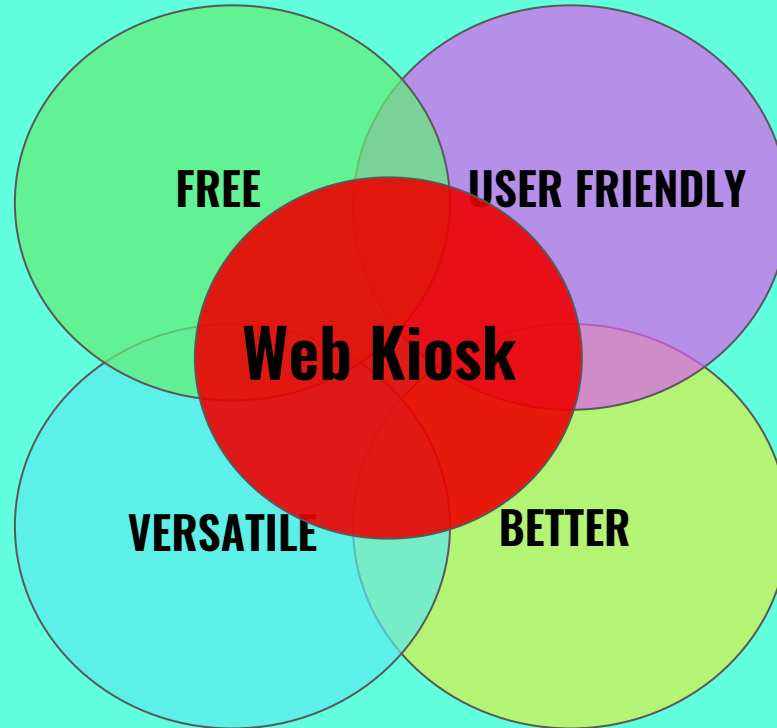
- Shopping Centres
- Airports
- Hotel Lobbies
- Work Spaces
- Other Public & Private Spaces



Motive



End Product



Execution

1. Easy to Create/Use UI ----->
2. UI Interaction with Linux Scripts
3. Python file communication with bash
4. Html websites
- 5.



Code?

Languages: Python 3.5.3 and Unix shell

Python standard libraries utilized: os, time

Added libraries: GTK+ 3.22



Working with GTK+



How to connect buttons to functions:

1. **Define a button** `saveButton = Gtk.Button("Save")`
2. **Connect to function** `saveButton.connect("clicked", Ha)`

How to Use?

1. Download Source Code
2. Run the .exe File
3. Reboot



Web Kiosk

Here you can choose the websites to display and define the switch and reffress rates

URL:

Add

Switch Rate: Refresh Rate: (None) Load previous Save to file

Run web-kiosk

Slideshow/Videolooping

Here you can choose a looping slideshow or video montage to play from a file or folder

Slideshow delay: From file: (None) From folder: (None) ▼

4. Configure Settings Using UI

5. Press “Run web-kiosk”

Challenges

Learning Linux

GTK & Python

Time



Future Improvements

App Support

Multiple Windows Simultaneously

Windows Compatibility

Arrangeability

Error Logs

Revenue?





