Please Standby

My First AppCenter App

Using and developing for elementaryOS from a low vision point of view.







@techdev5521

My Experience as a Visually Impaired Developer

Using and developing for elementary OS from a low vision point of view.







@techdev5521





Justin Campbell

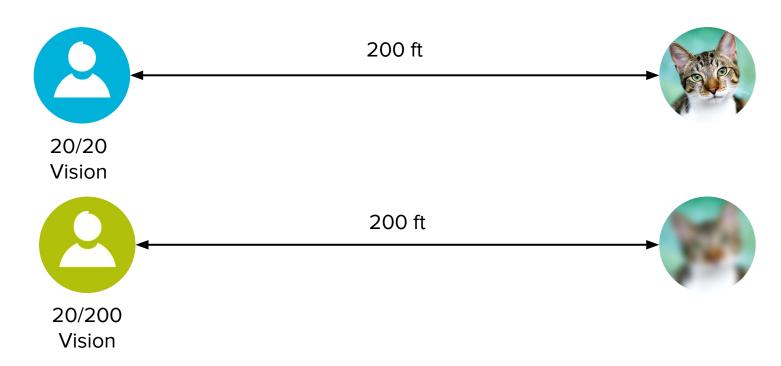
Technical Project Manager at Purdue University ECN

I'm a computer enthusiast who humanizes technology through design and development. I'm also legally blind.

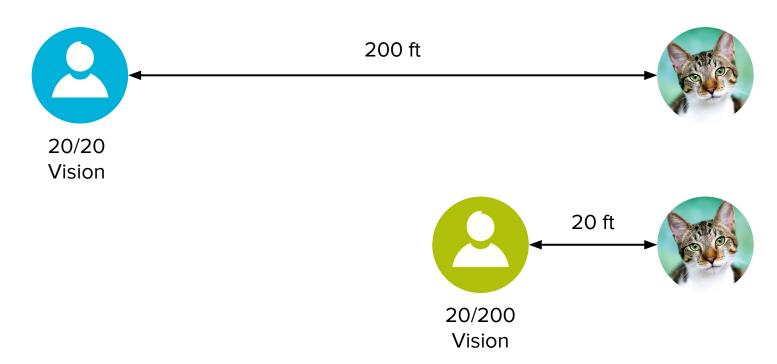


...and I'll still 360 no scope you in CS:GO steamcommunity.com/id/jtcmh13

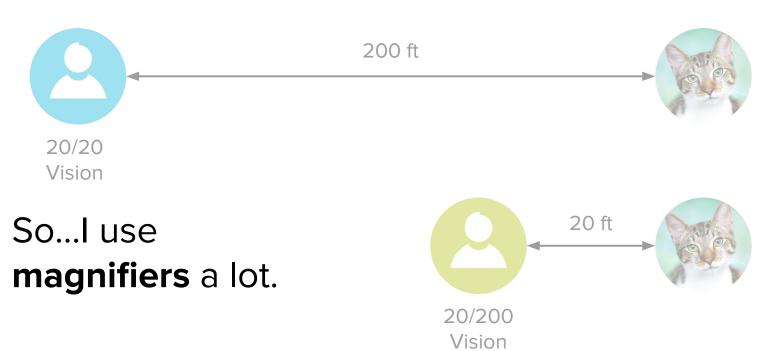
Legally Blind: Vision is 20/200 or less.



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What This Talk Is Not:



- A tutorial for creating elementary OS applications
- A comparison of native and web technologies (see GTK for Web Developers by Darshak Parikh)
- A technical talk

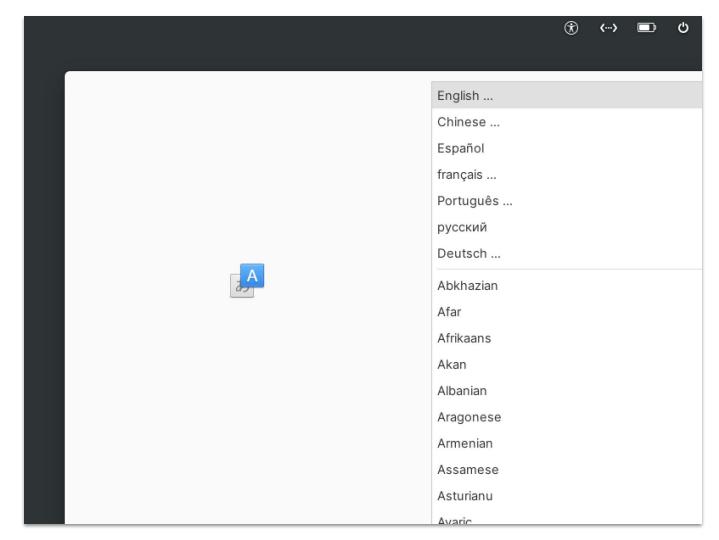
What This Talk Is:

- A critique of elementary OS low vision accessibility tools
- A review of elementary OS developer tools from my point of view
- A call for help: people who needs these tools the most are often unable to make them.

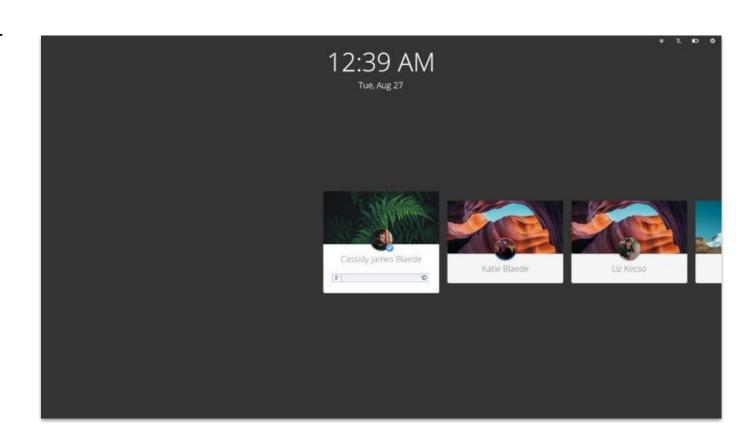


Installation

- Installed to external USB drive via VirtualBox on macOS
- No magnifier in installer.
 Used macOS' magnifier to see text.
- Used Orca for off-screen elements.



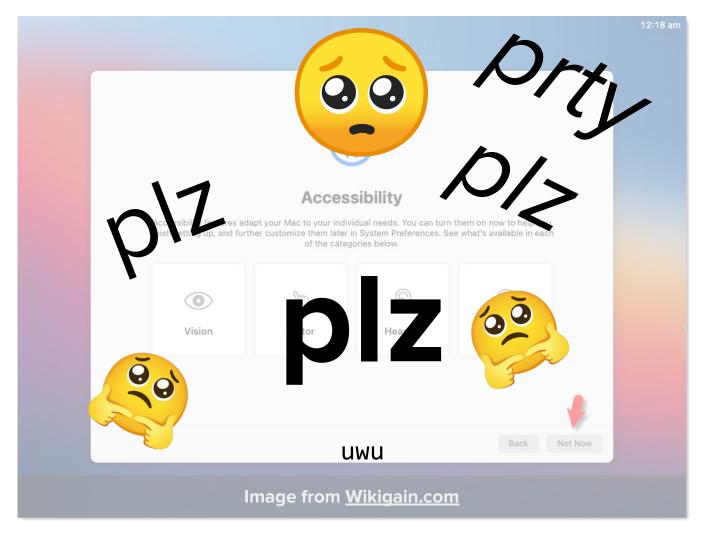
- No magnifier at login screen.
- Single user systems can assume the correct user.
- Multi-user
 systems are
 less
 accessible.

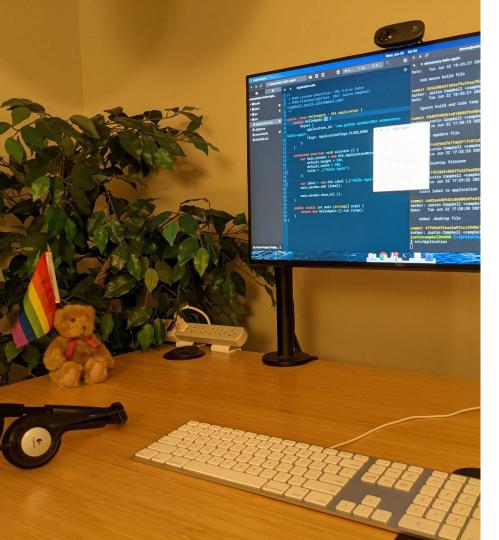


- First login is beautiful. No affordance of accessibility tools.
- Meta + = is default keyboard shortcut.
- Shortcut
 overlay
 shows this;
 also hidden.



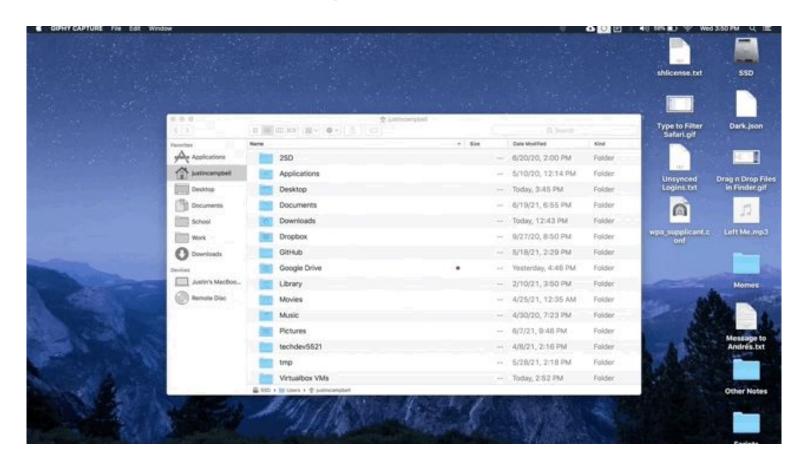
- Ctrl + Scroll



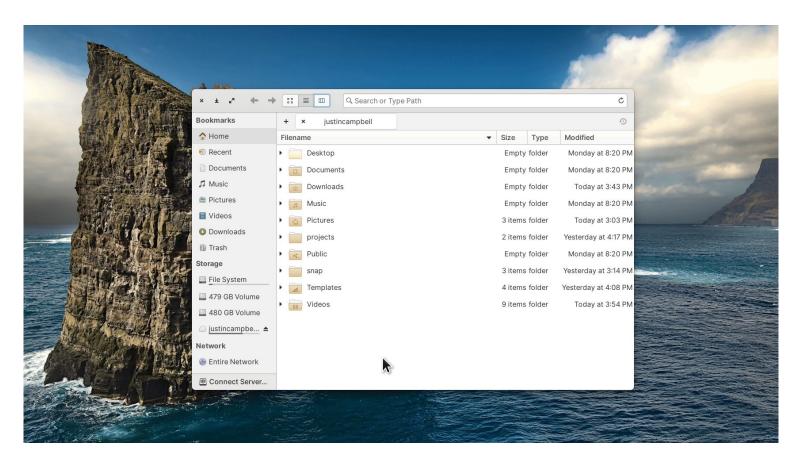


Usage

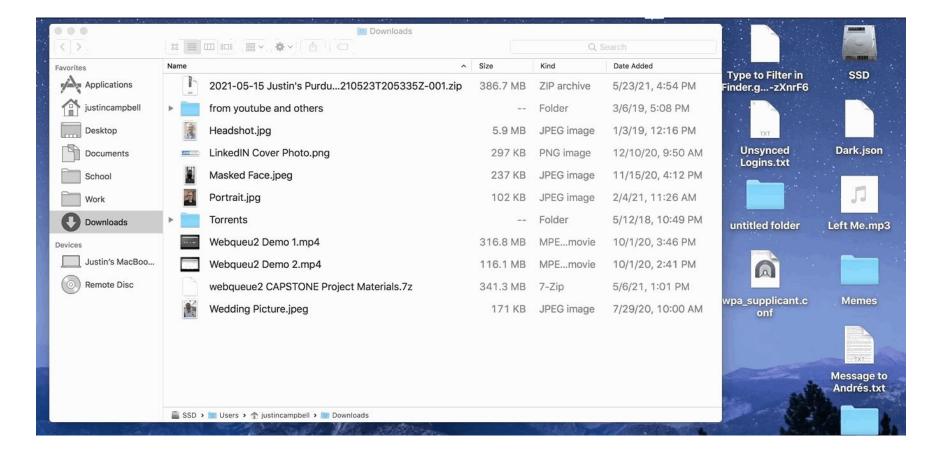
Window Management: macOS + ShiftIt



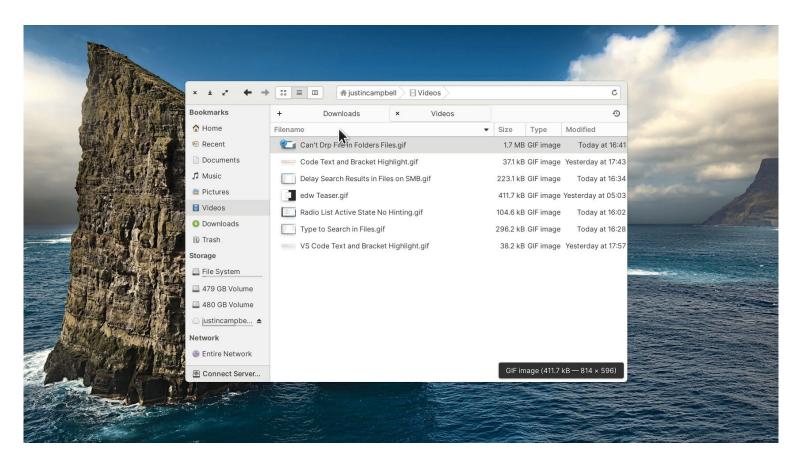
Window Management: elementary OS



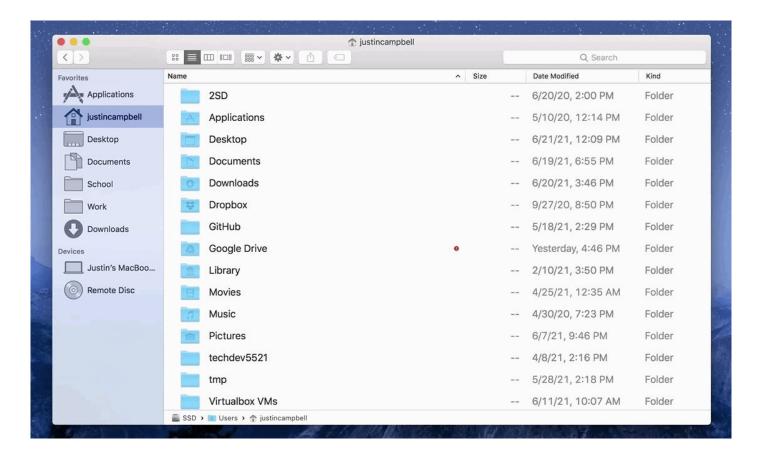
Drag 'n' Drop: macOS



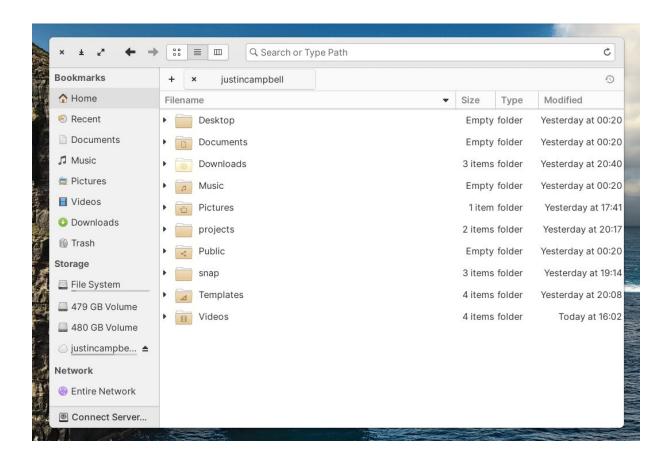
Drag 'n' Drop: elementary OS



Type to Filter: macOS



Type to Filter: elementary OS



Terminal Font Size: macOS

```
Last login: Sun Jun 20 23:51:59 on console
justincampbell@Justins-MacBook-Pro-2 [~]
$
```

Terminal Font Size: elementary OS



Text Selection: macOS + VS Code

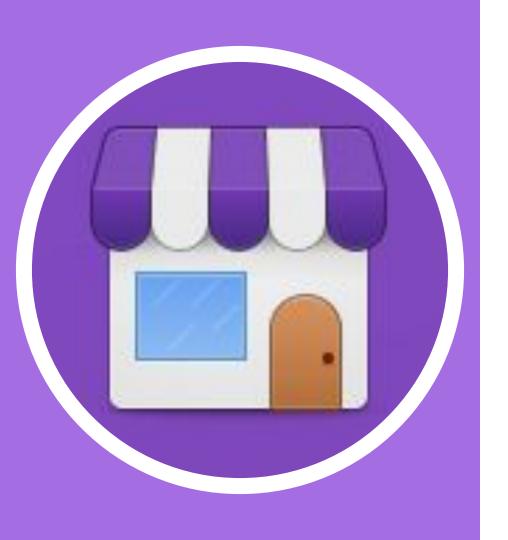
Text Selection: elementary OS + Code

```
+ × hello-again.appdata.x...

1 <?xml version="1.0" encoding="UTF-8"?>

2 <!-- Copyright 2021 Justin Campbell

<campbell.justin.tyler@gmail.com> -->
```



Why am I just complaining?

Notice What I Didn't Say:

- I couldn't install elementary OS
- I couldn't connect to the Internet
- My [insert peripheral here] didn't work.
- My display driver wasn't configured properly.
- etc

elementary OS is the most accessible desktop Linux experience I've had as a low vision user.

elementary OS had the best developer story I've ever followed on a Linux desktop.

It's up to developers to design their applications with accessibility in mind.

Thank You