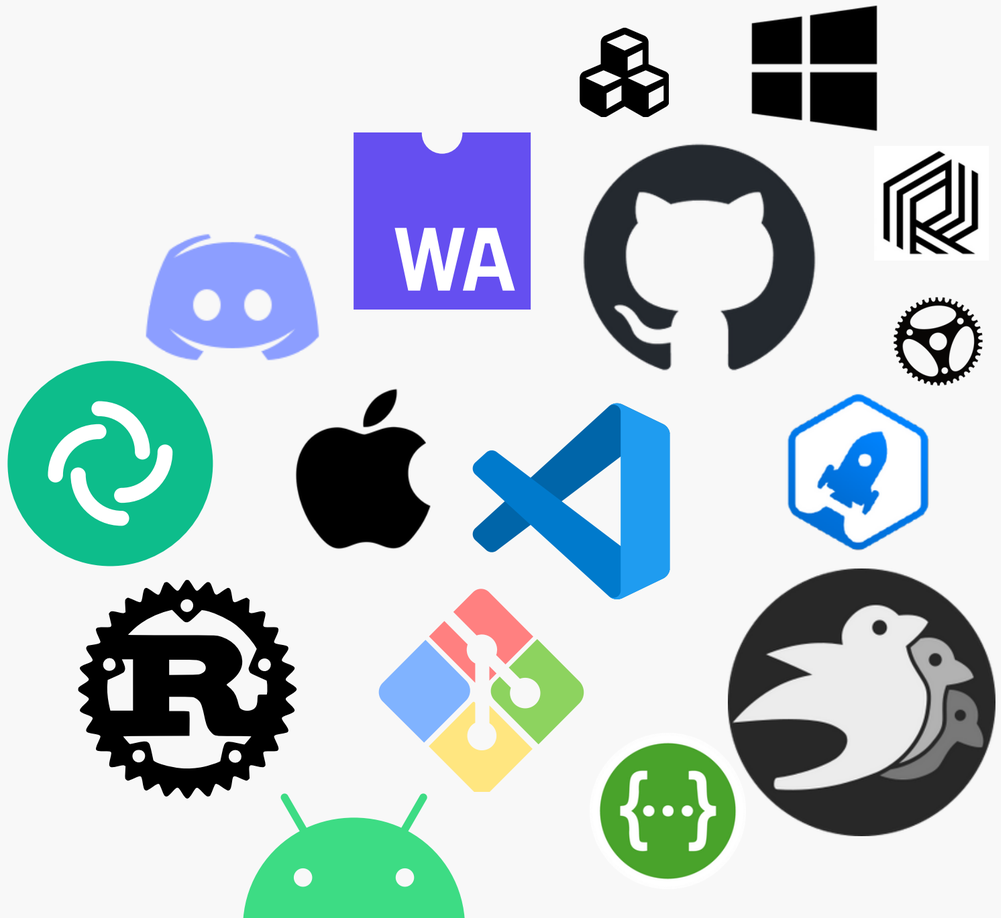
# Contribution Story

**Follow me,**
**we'll fix stuff!**



# I have a dream

# Share items

# Server + client

bevy_egui

EMAIL@DOMAIN

PASSWORD

CONNECT

https://github.com/Vrixyz/backpack

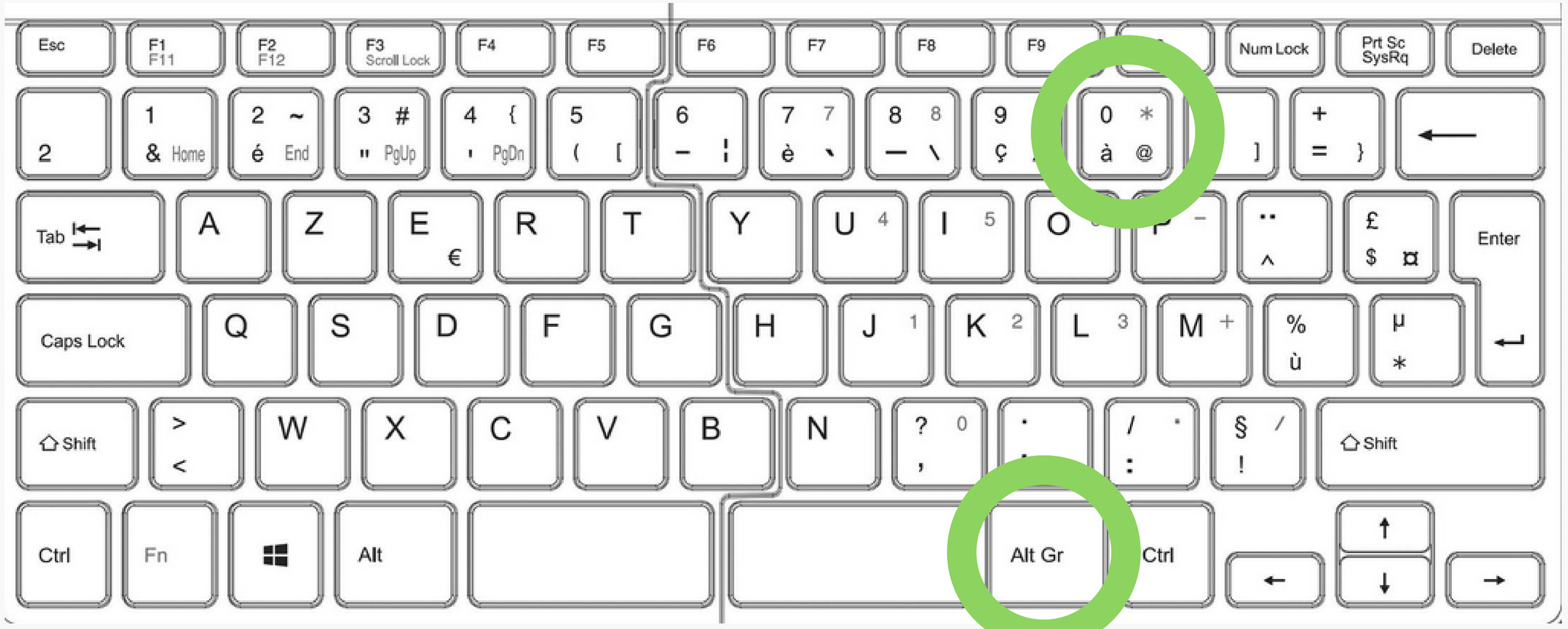
# Plug things together

EMAIL@DOMAIN

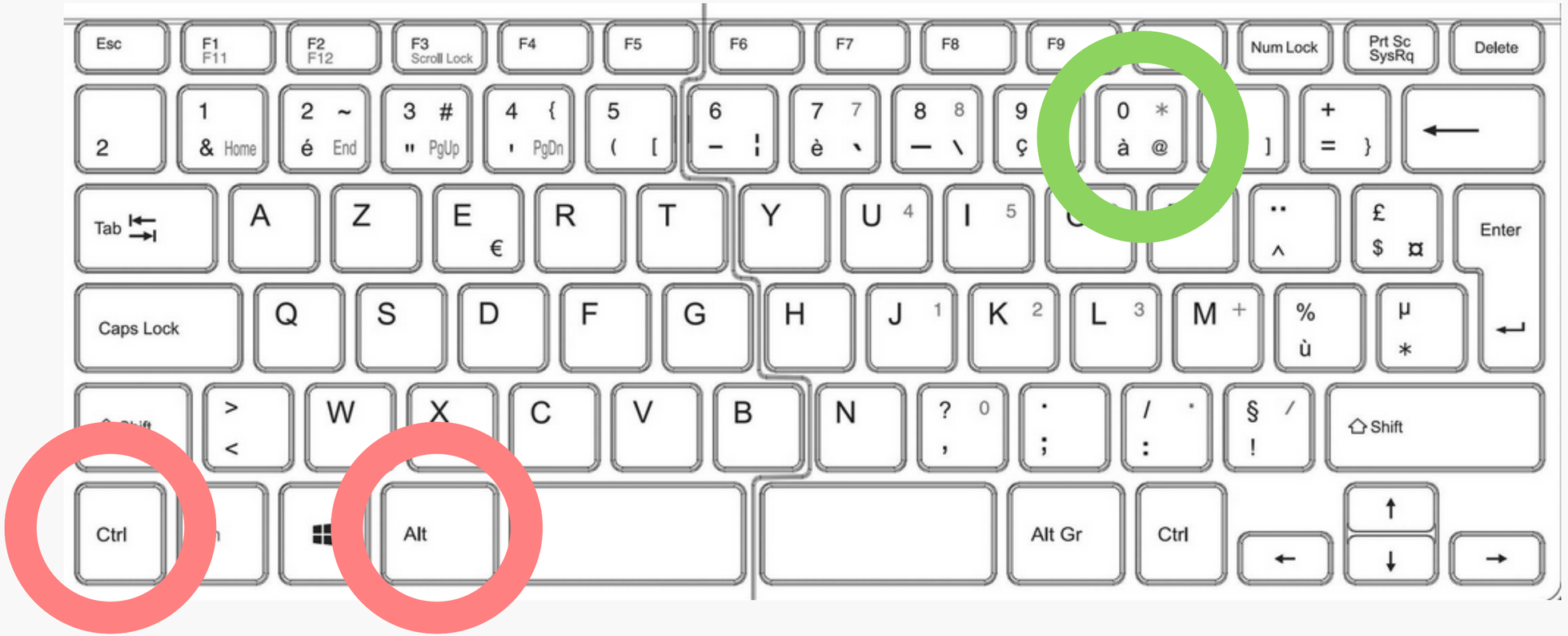
PASSWORD

CONNECT

# Alt-gr problem



# Alt-gr problem



# Ctrl problem

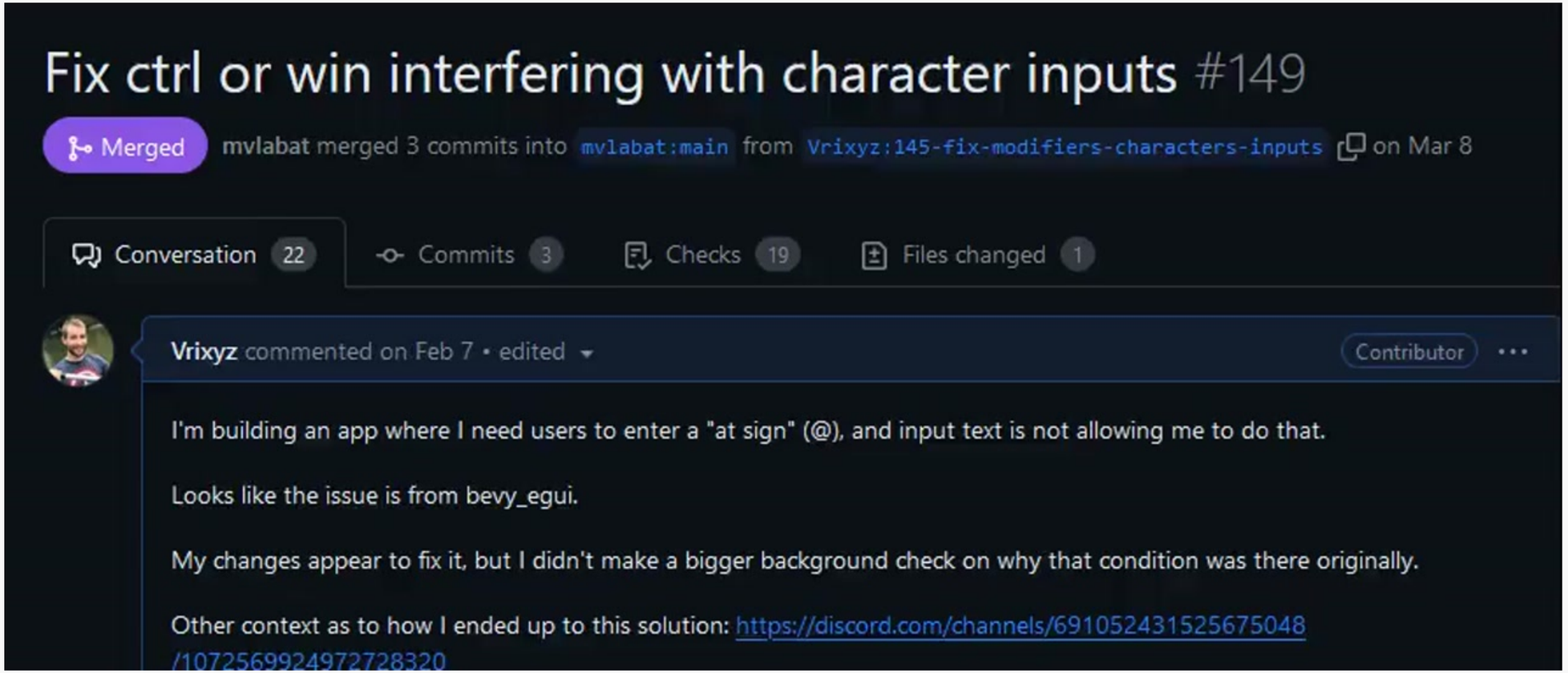
Command?

text shortcuts?

Scroll?

Copy?

# Ctrl problem




https://github.com/mvlabat/bevy_egui/pull/149

# Ctrl problem

2 src/systems.rs

```
@@ -240,7 +240,7 @@ pub fn process_input_system(
240 240             }
241 241         }
242 242
243     -       if !ctrl && !win {
    243 +       if !command || cfg!(target_os = "windows") && ctrl && alt {
244 244             for event in input_events.ev_received_character.iter() {
245 245                 if !event.char.is_control() {
246 246                     input_resources
```

Pull request successfully merged and closed

https://github.com/mvlabat/bevy_egui/pull/149

# Ctrl problem

ASK!

do your research

I learned a bunch!

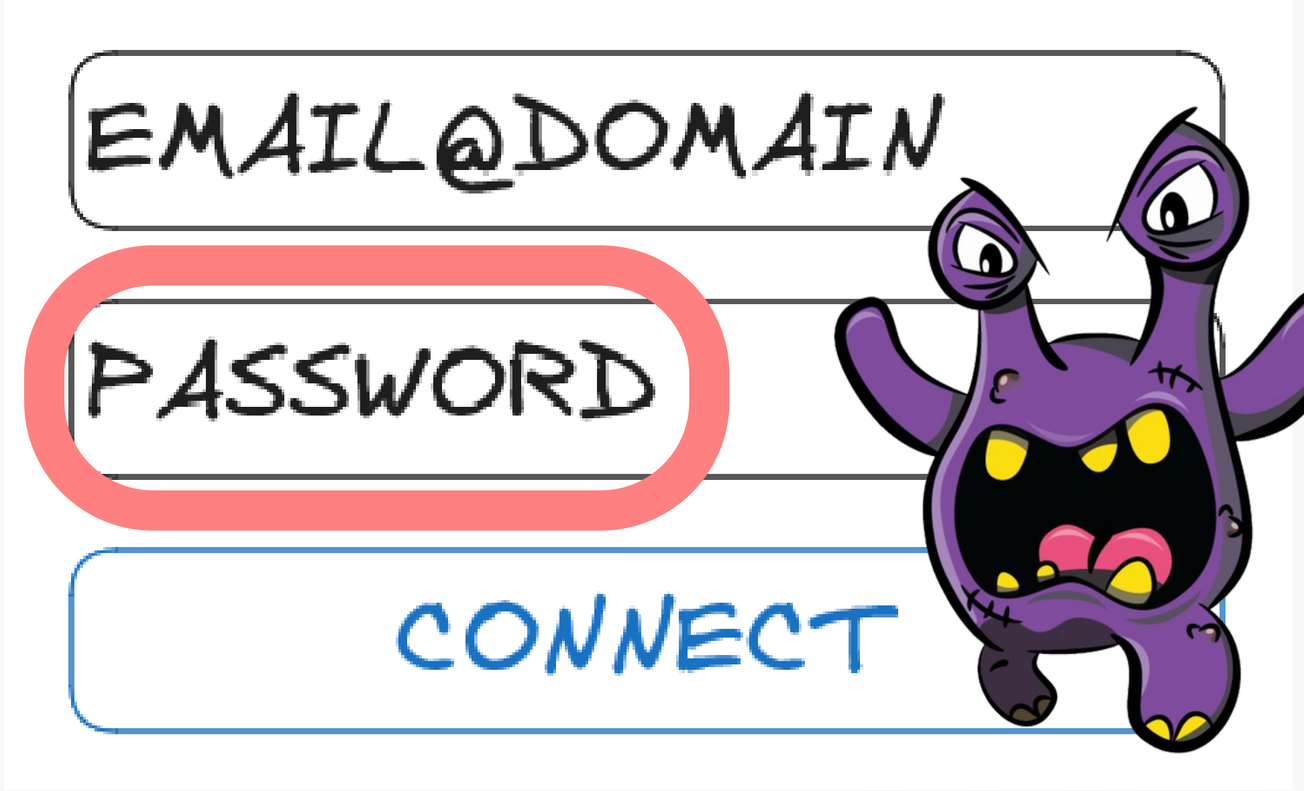
# Plug things together

EMAIL@DOMAIN

PASSWORD

CONNECT

# Plug things together




clipboard + WEB

# Clipboard

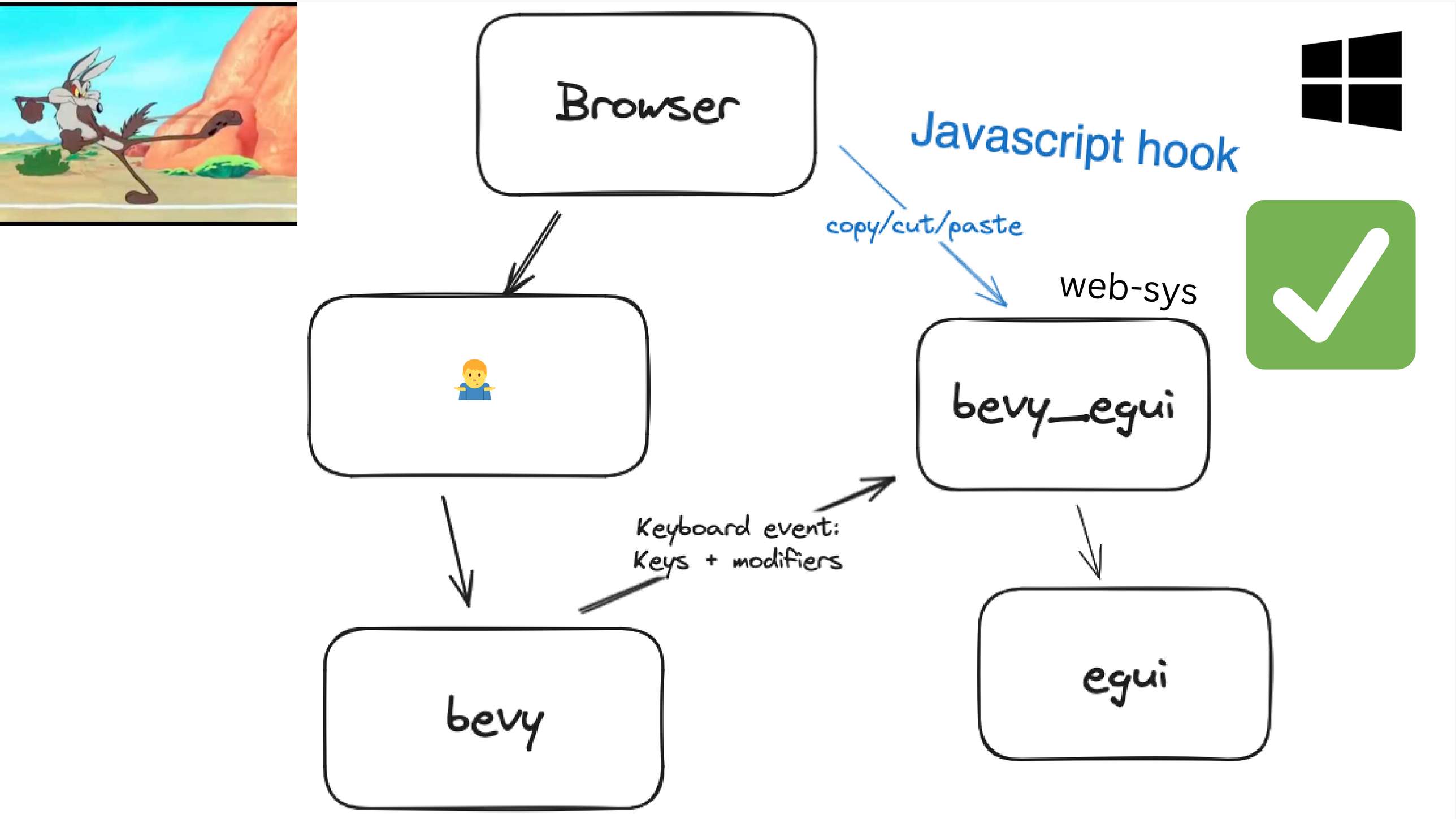
- arboard has a synchronous API
- web cannot have blocking calls
- bevy_egui implemented a local only clipboard, time to fix it !

https://github.com/1Password/arboard

# Clipboard

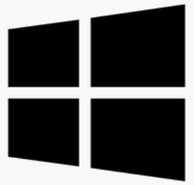
**Check how other projects approached your problem**

https://github.com/mvlabat/bevy_egui/pull/178


Browser
Javascript hook
copy/cut/paste
web-sys
bevy_egui
Keyboard event:
Keys + modifiers
bevy
egui

# Mac problem

Select All



Ctrl+A

- bevy_egui does not detect Command/Meta on Mac **web**

Command+A

# Mac problem

Select All

- On web
  - User-agent == Macintosh

~~Ctrl+A~~

**Command**+A

**Clipboard fix**

**Review**

**bevy_egui**

Also, war in Ukraine...

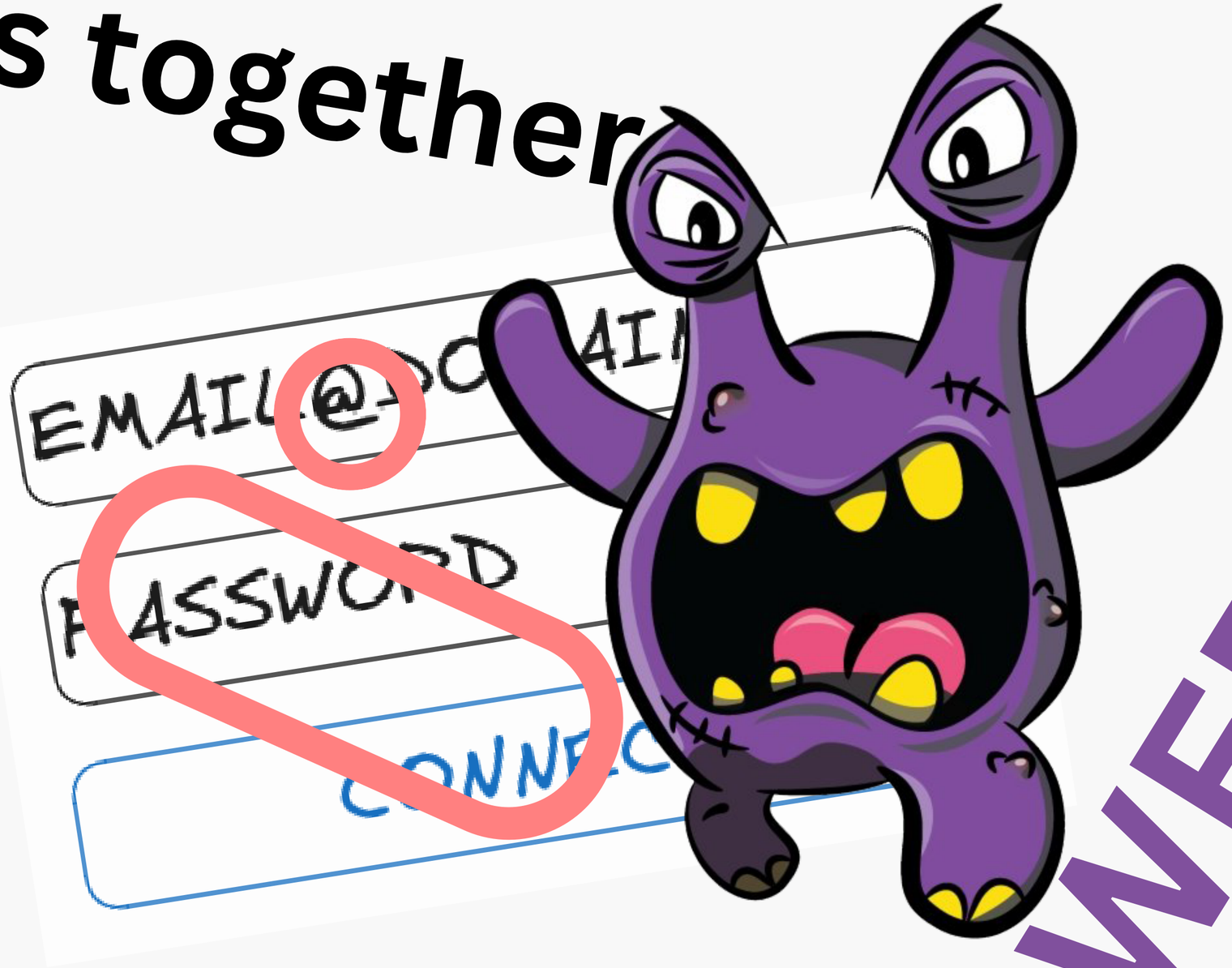
# Plug things together

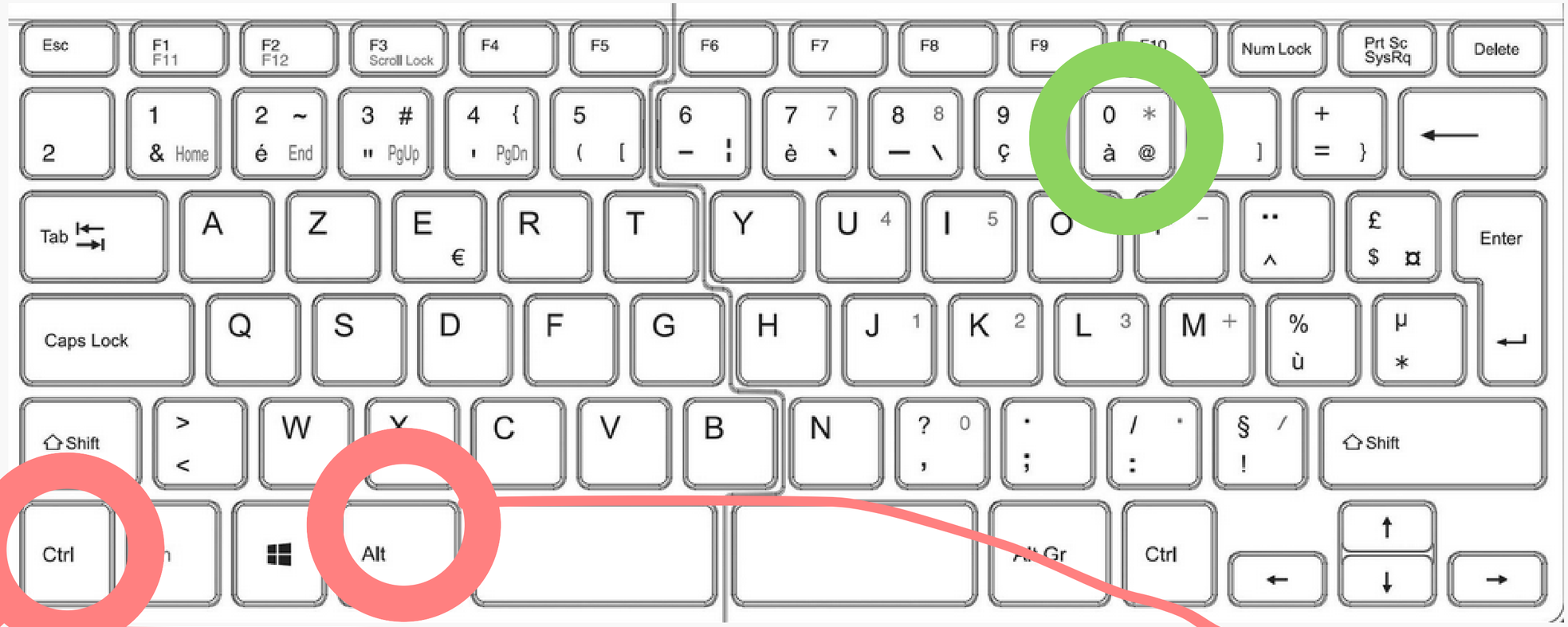
EMAIL@DOMAIN

PASSWORD

CONNECT

# Plug things together

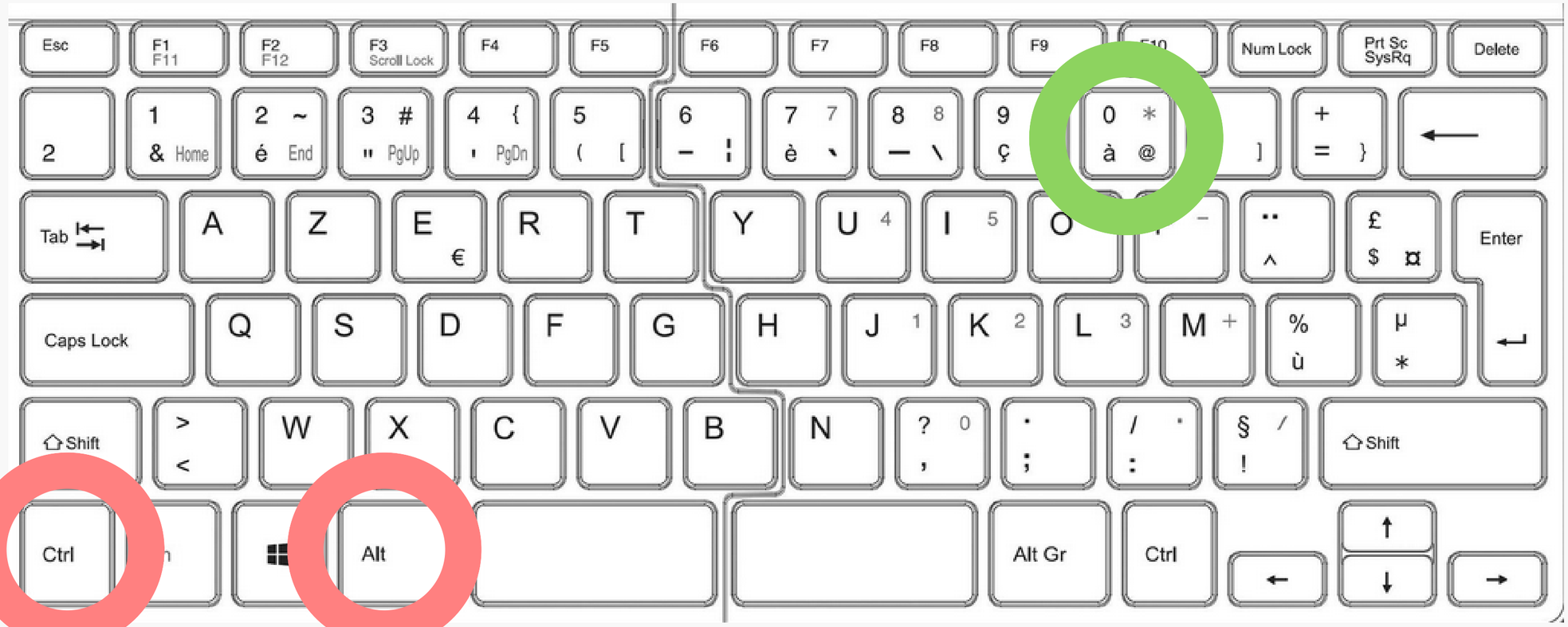





```
if !command || cfg!(target_os = "windows") && ctrl && alt {
```

then:  type text

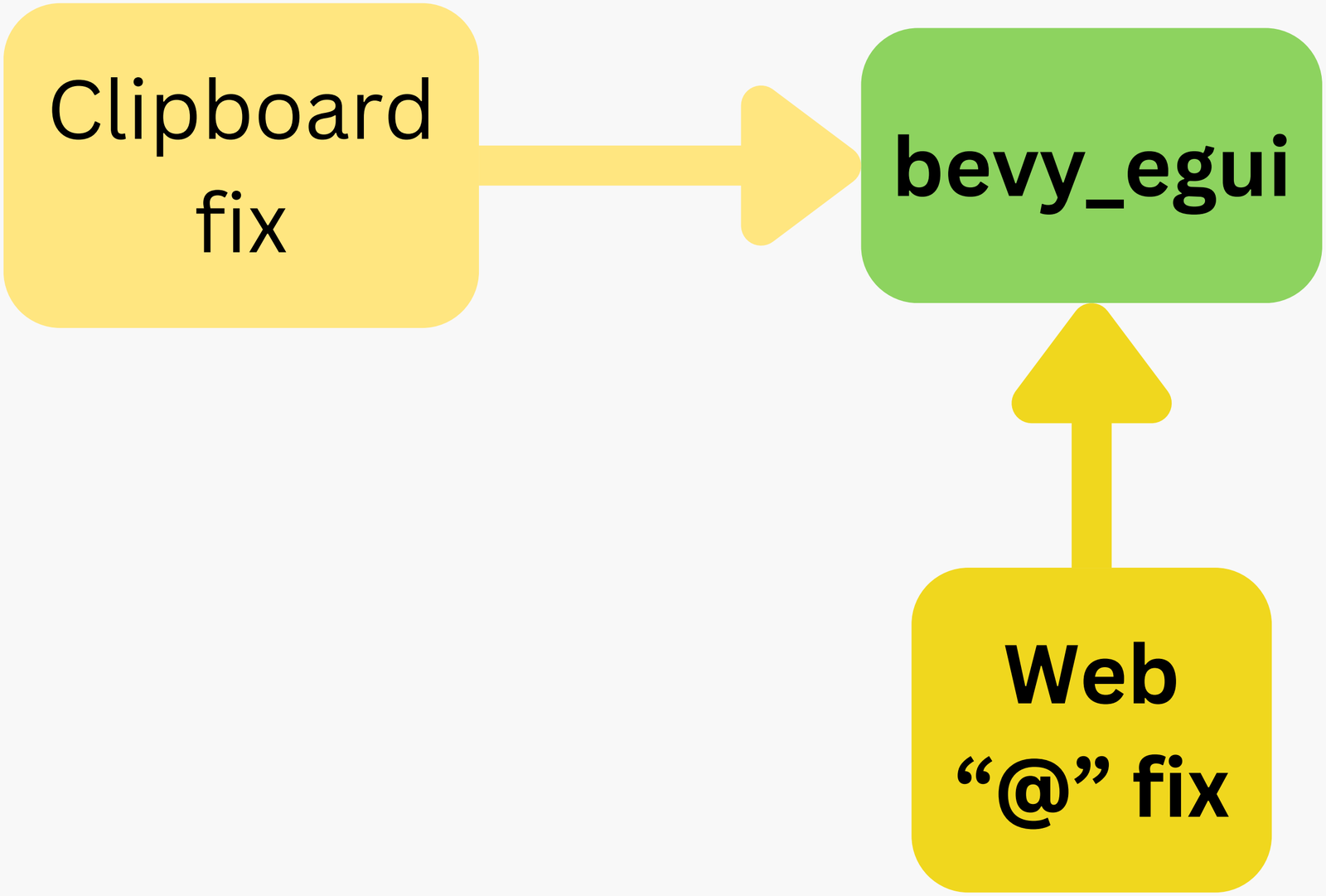
+ WEB




```
if !command || cfg!(target_os = "windows") && ctrl && alt {
```

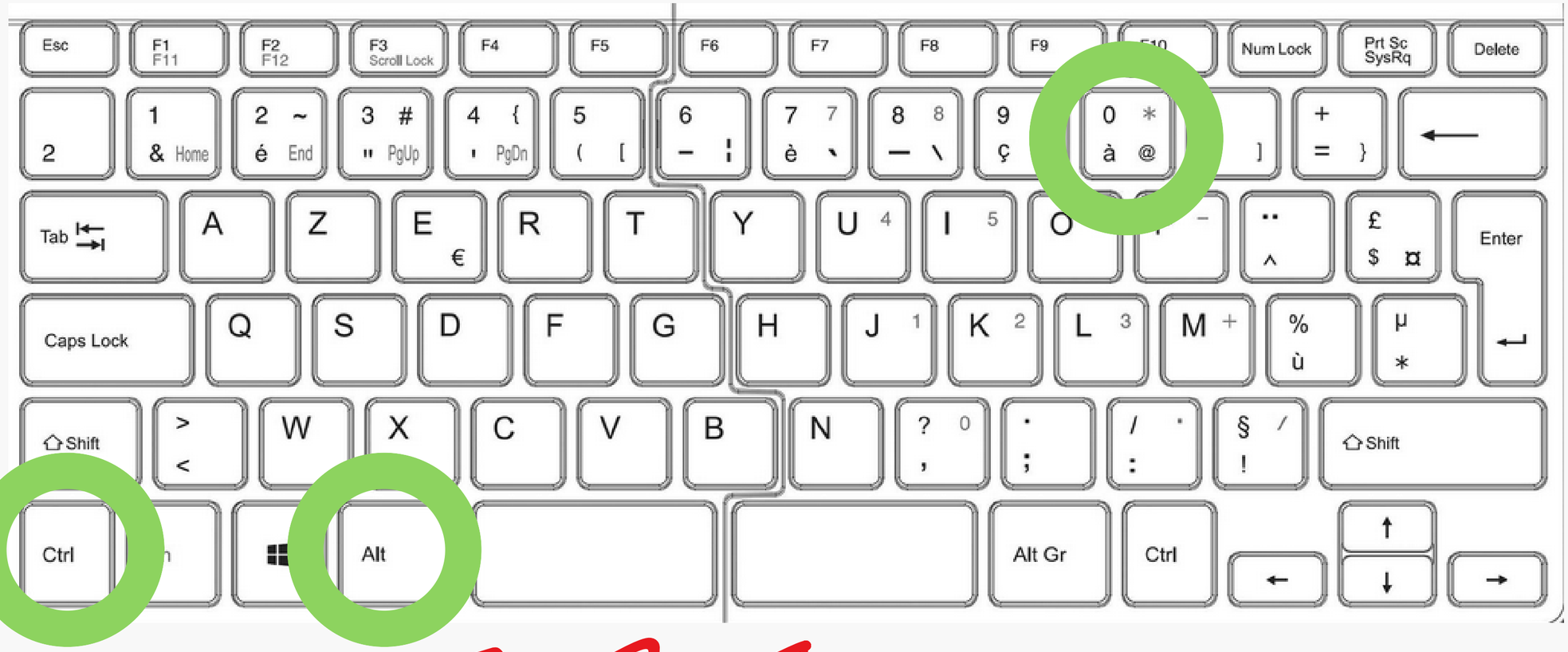
then: ~~type text~~

**WEB != Windows**




https://github.com/bevyengine/bevy/pull/10702

+ WEB




```
if !command || cfg!(target_os = "windows") && ctrl && alt {
```

# What about alt codes ?

Alt + 0201 => 'É'

```
if !command || cfg!(target_os = "windows") && ctrl && alt {
```

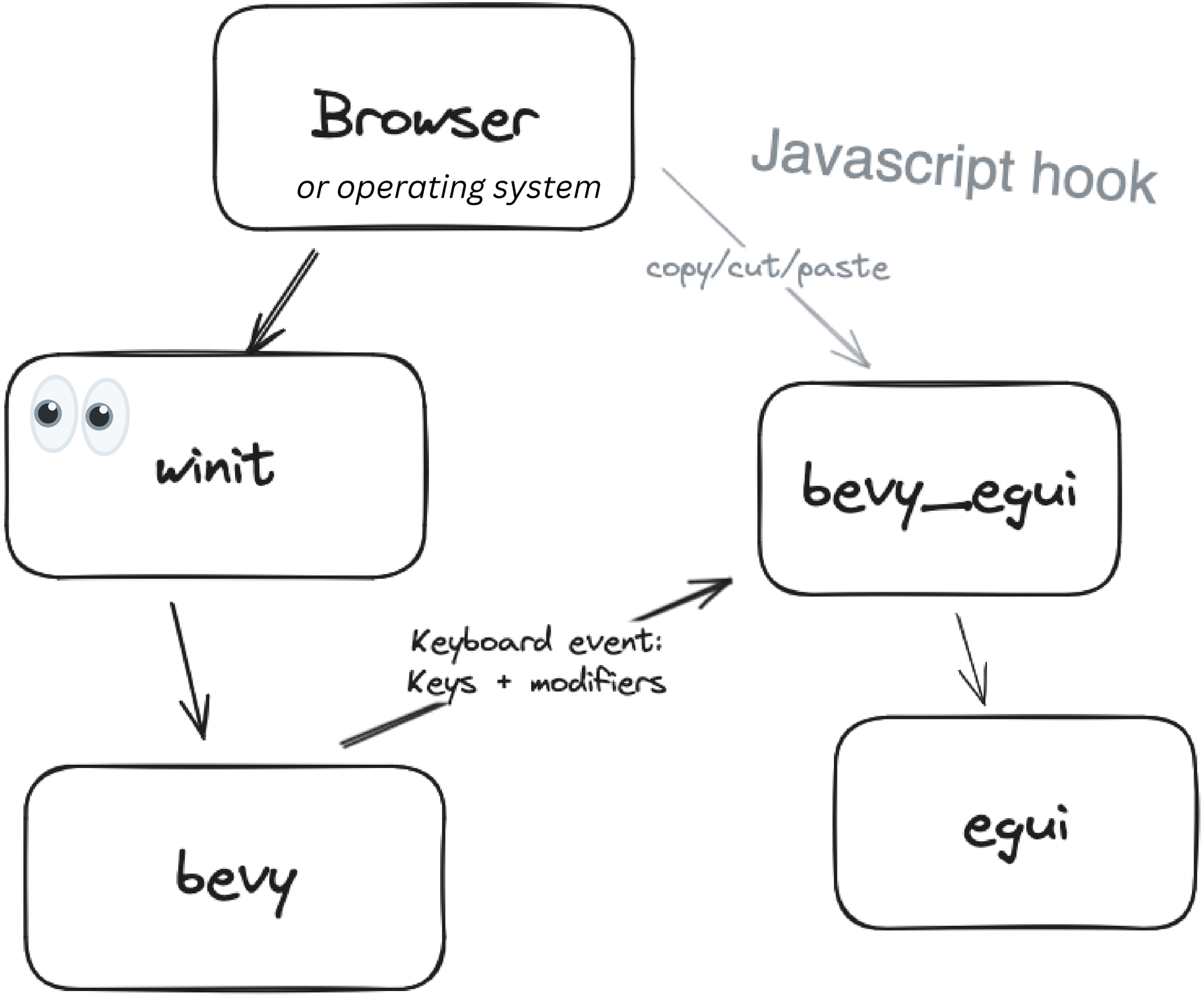
# *is_control() ?*

```
if !event.char.is_control() {
```

me

https://github.com/rust-windowing/winit

- **winit** keyboard refactor



# Let’s update winit!

Mistakes happen

# winit update

- Update bevy/main to unreleased winit version

**tracking multiple unstable dependencies is risky**

https://github.com/bevyengine/bevy/pull/10702

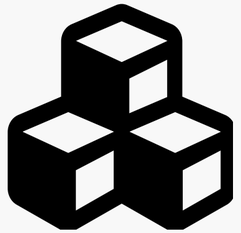
# winit update

- **Update**
- Profit

One focus at a time

https://github.com/bevyengine/bevy/pull/10702

# winit update



- Research
  - Documentation
  - Changelogs
  - Issues
  - Pull Requests
  - Chat

# winit update

- regex replace

SEARCH

pressed\("([a-z]*)"

pressed(KeyCode::Key\u$1)

bloom_3d.rs examples\3d

```
if key.pressed("a" pressed(KeyCode::KeyA)) {
if key.pressed("q" pressed(KeyCode::KeyQ)) {
if key.pressed("s" pressed(KeyCode::KeyS)) {
if key.pressed("w" pressed(KeyCode::KeyW)) {
if key.pressed("d" pressed(KeyCode::KeyD)) {
if key.pressed("e" pressed(KeyCode::KeyE)) {
if key.pressed("f" pressed(KeyCode::KeyF)) {
if key.pressed("r" pressed(KeyCode::KeyR)) {
if key.pressed("g" pressed(KeyCode::KeyG)) {
if key.pressed("t" pressed(KeyCode::KeyT)) {
if key.pressed("h" pressed(KeyCode::KeyH)) {
if key.pressed("y" pressed(KeyCode::KeyY)) {
if key.pressed("j" pressed(KeyCode::KeyJ)) {
if key.pressed("u" pressed(KeyCode::KeyU)) {
```

fog.rs examples\3d

# winit update

- Update dependencies

ndk

winit

AccessKit

wgpu

web_time

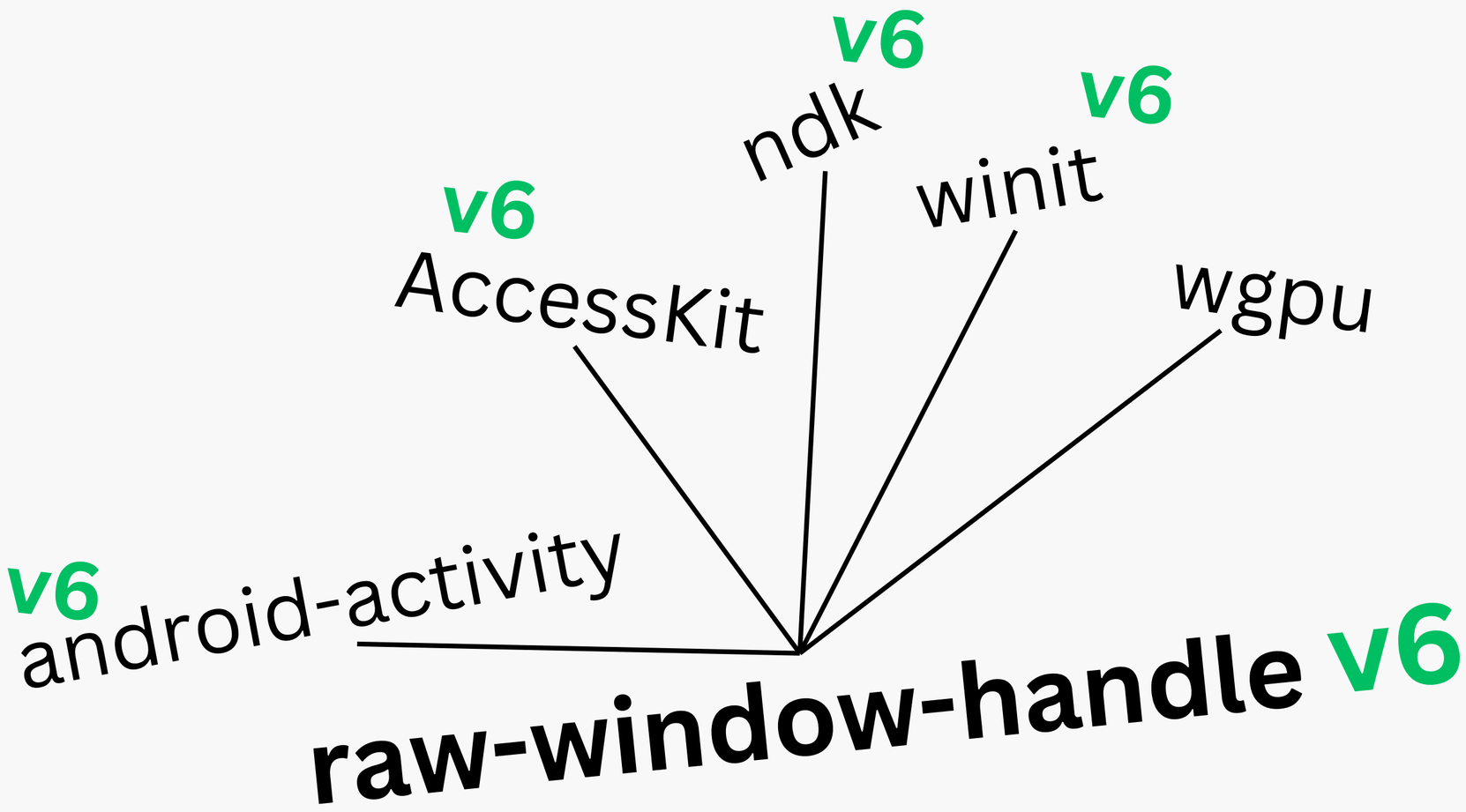
android-activity

bevy_reflect and smolrs

raw-window-handle

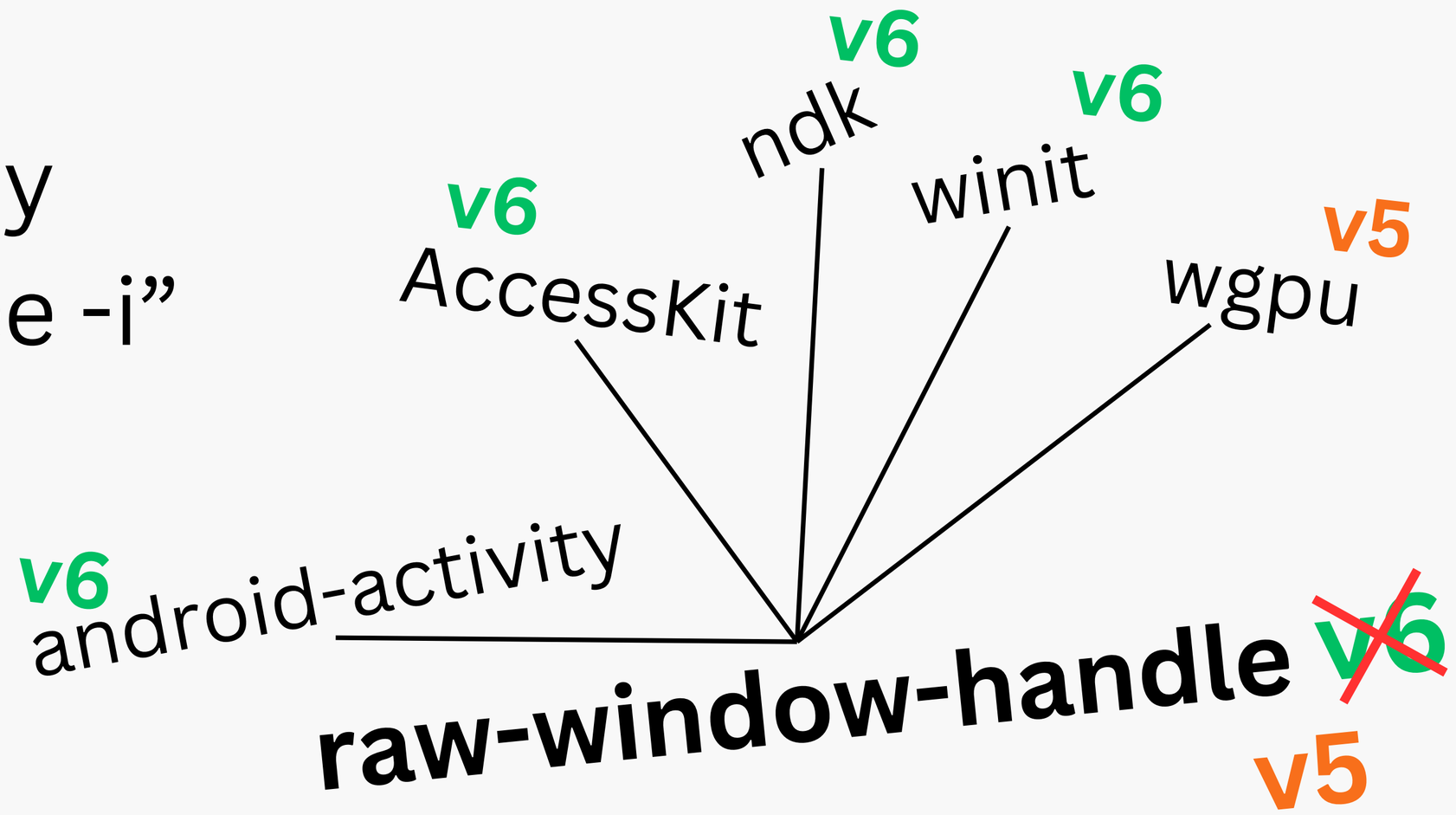
https://github.com/bevyengine/bevy/pull/10702

# winit update



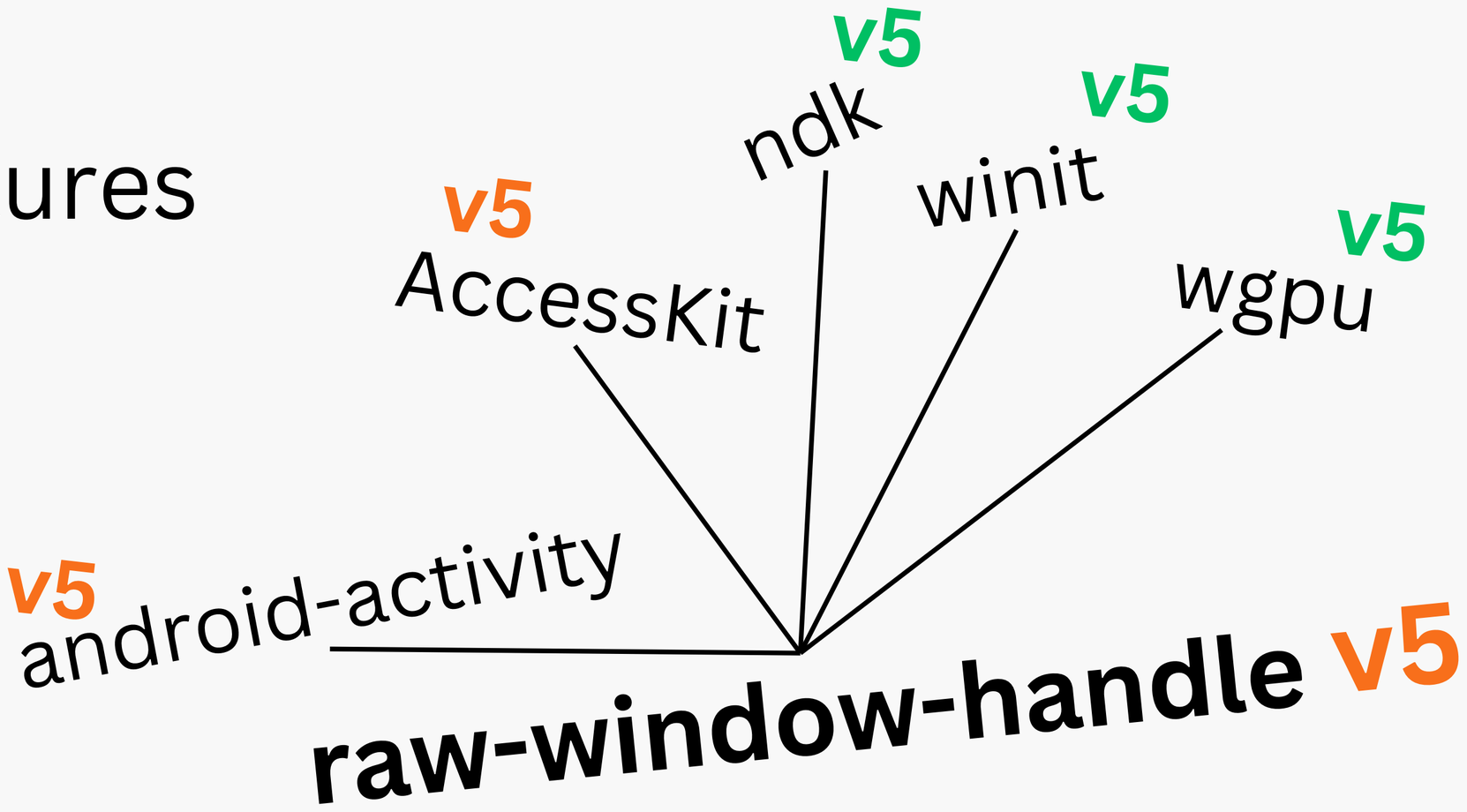
# winit update

- cargo deny
- “cargo tree -i”



# winit update

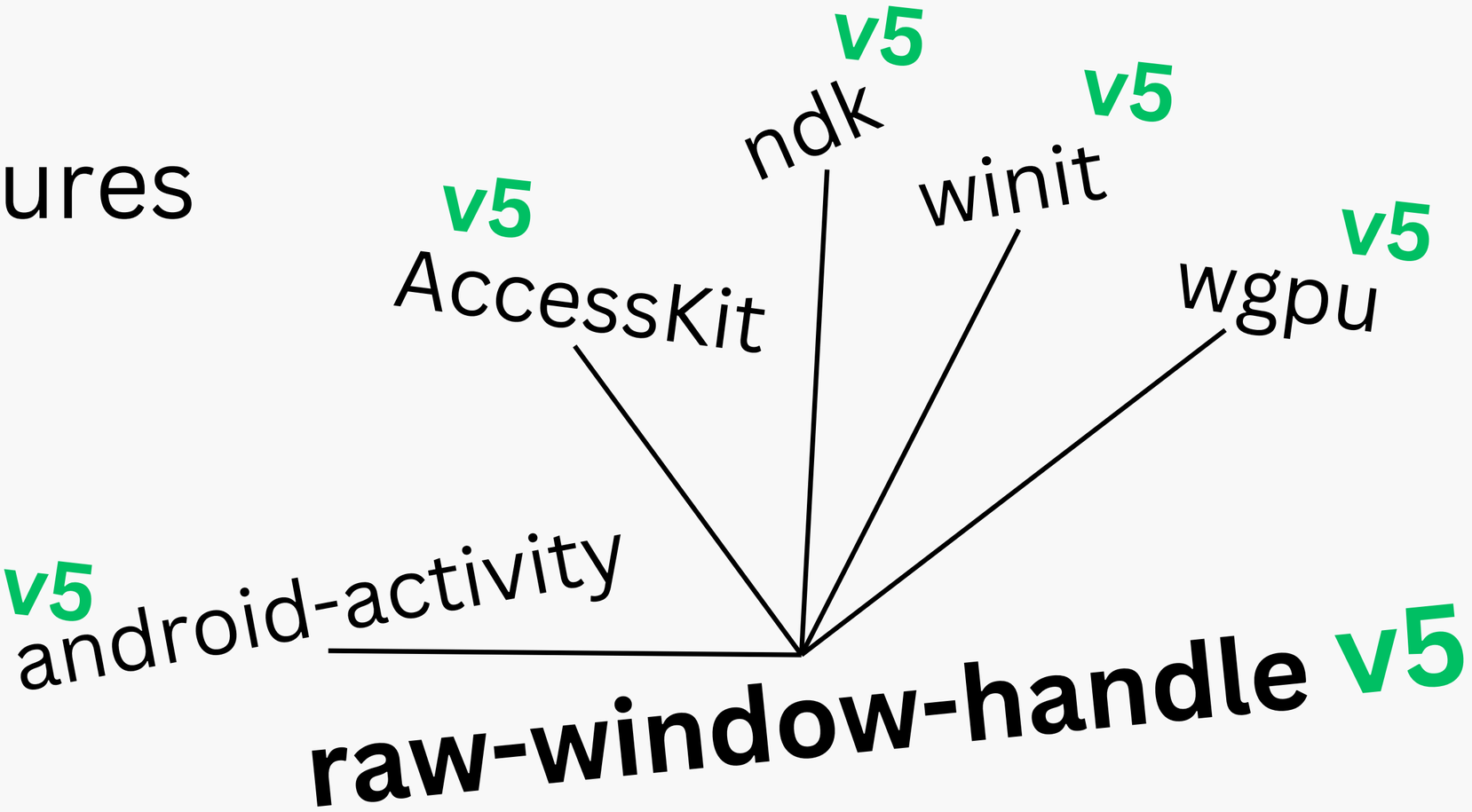
- cargo features




https://github.com/rust-mobile/ndk/pull/434

# winit update

- cargo features




https://github.com/rust-mobile/android-activity/pull/142

https://github.com/AccessKit/accesskit/pull/319

# winit update

- Update
- Profit

One focus at a time!

https://github.com/bevyengine/bevy/pull/10702

# winit update

- Bug fixes

CI

scale factor

Android

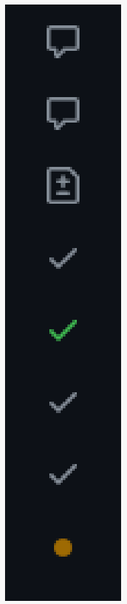
documentation

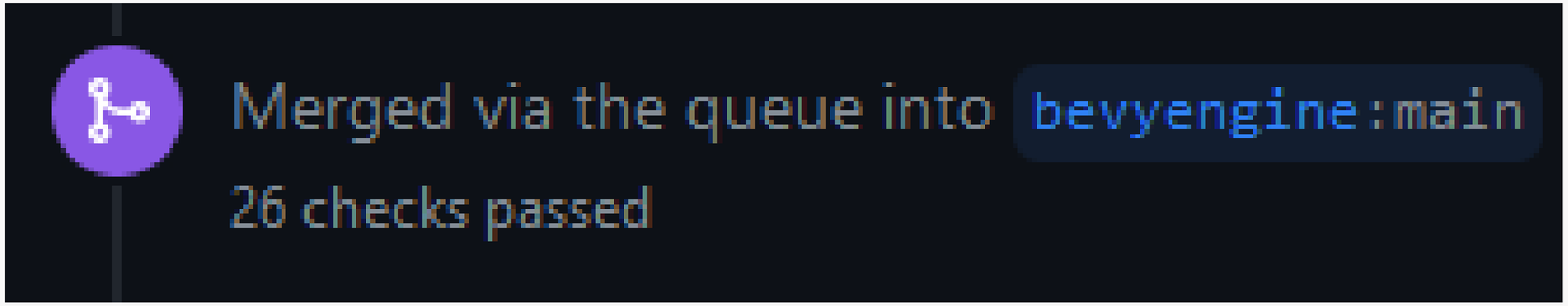
web canvas size

https://github.com/bevyengine/bevy/pull/10702

# winit update

- Changelog






https://github.com/bevyengine/bevy/pull/10702

# Profit ?

- *Update*
- **Profit**

**One focus at a time!**

https://github.com/bevyengine/bevy/issues/11052

# Follow ups

Physical key / logical key mapping

clipboard

documentation

smooth resizing

more keypress info

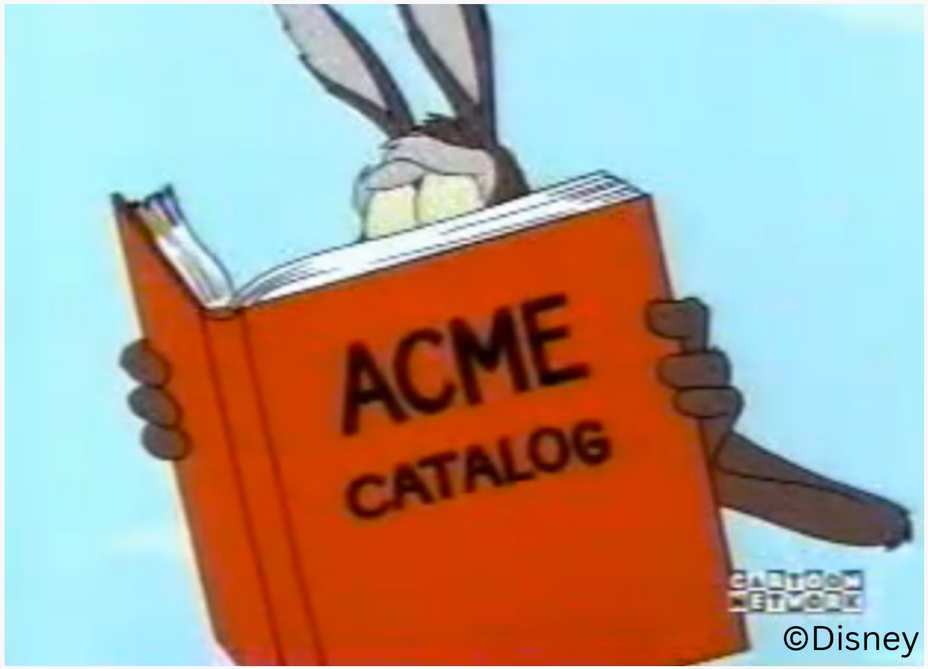
custom cursors

examples

close and reopen a window

https://github.com/bevyengine/bevy/issues/11052

# Plug things together



©Disney

EMAIL@DOMAIN

PASSWORD

CONNECT

@ + clipboard + WEB

# Recap

cut/copy/paste

- Hook to javascript events

Command/Ctrl

- Detect mac on web via user agent

https://github.com/mvlabat/bevy_egui/pull/178

# Recap

- Hook to javascript events ✅ cut/copy/paste
- Detect mac on web via user agent Command/Ctrl

https://github.com/mvlabat/bevy_egui/pull/178

# Recap

- Hook to javascript events ✅ cut/copy/paste
- Detect mac on web via user agent ✅ Command/Ctrl

https://github.com/mvlabat/bevy_egui/pull/178

# Recap

Mistakes happen

and that's ok!

- winit is updated

https://github.com/rust-windowing/winit

# Is it fixed yet ?

- Hook to javascript events
- We detect mac on web via user agent
- We should be able to detect logical key

STAY TUNED

https://github.com/mvlabat/bevy_egui/pull/178

# Open source

ASK!

Check other projects

Everybody can help

Mistakes happen

One focus at a time!

*It's not only code*

https://thierryberger.com/blog/contribution-story-winit/