

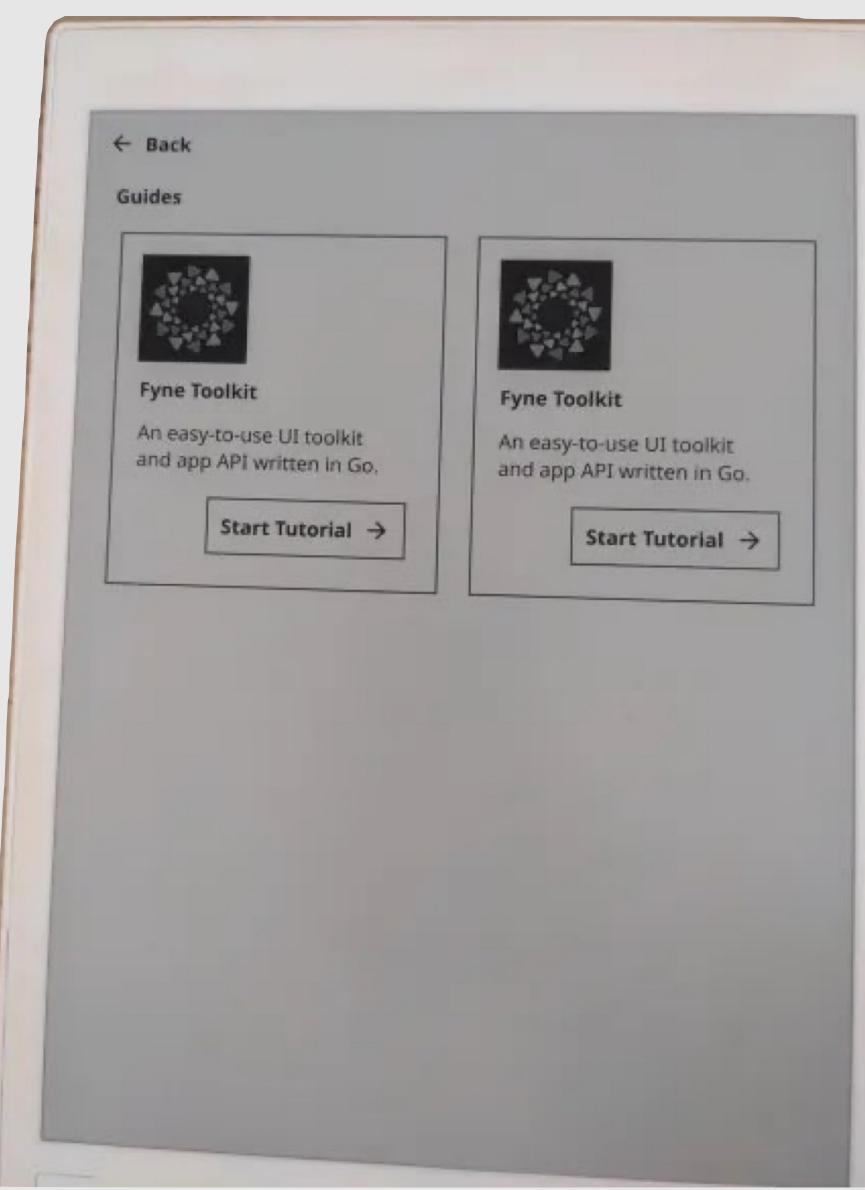
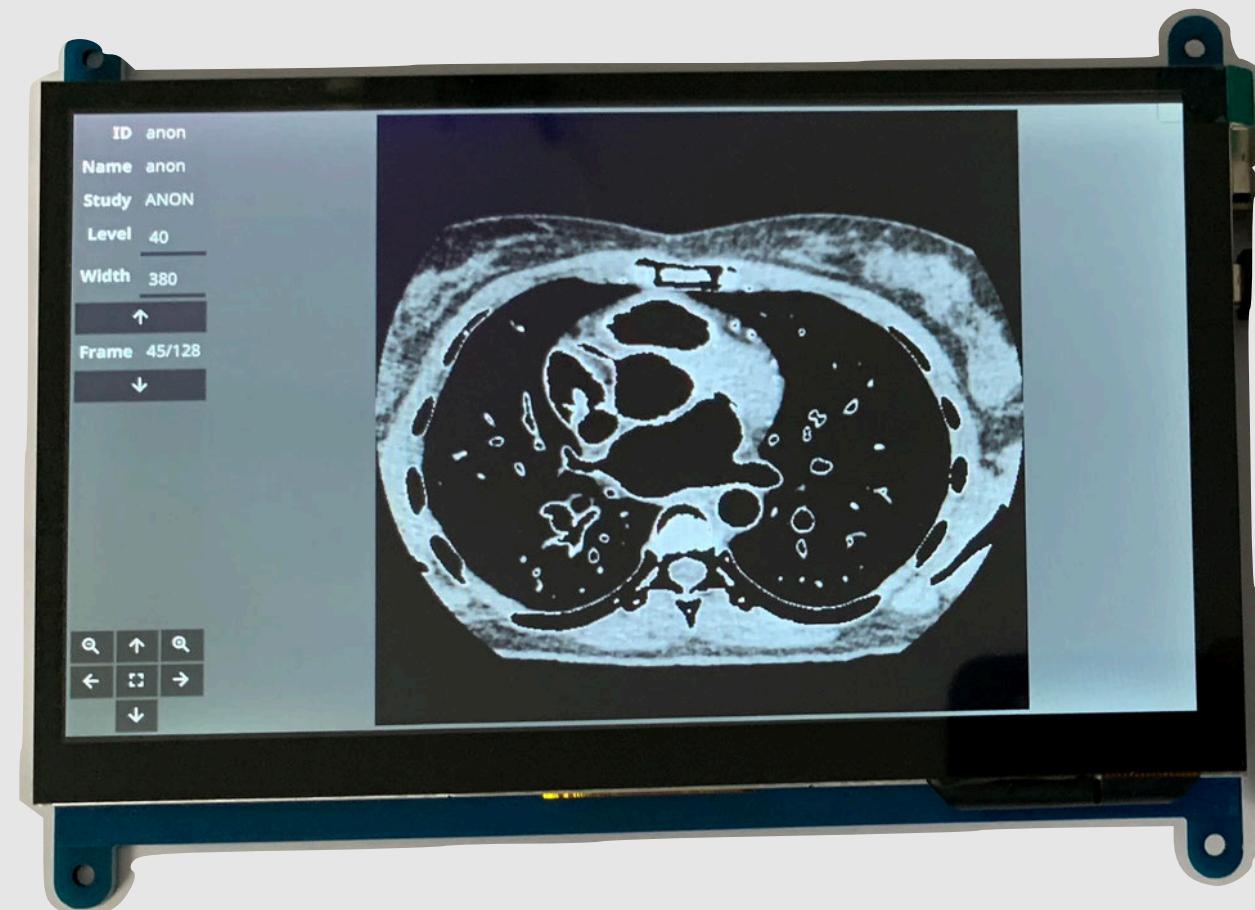
fyne
conf
2025

Welcome

September 19th 2025



I just want to build an app...





UNIVERSAL



Photo by [Hanna Busing](#) on [Unsplash](#)

Fyne Vision



“To be the best toolkit for easily developing beautiful, native graphical applications for desktop, mobile and beyond.”

Fix app development
for everyone, forever

<https://fyne.io/>

Welcome to Fyne Conf 2025!



- Morning of contributor planning and discussions
- An afternoon of great presentations
- AMA session with the team
- Ask questions as we go
 - In person or on YouTube Live

Sponsored by:



Apptrix.ai - Universal App Studio



Apptrix.ai: calculator

File Help

calculator

Windows

MAIN

Container (Grid)

out: Label

Container (Grid)

b7: Button

b8: Button

b9: Button

bm: Button

Container (Grid)

+ Add Window

Other Files

README.md

go.mod

img

main.go

+ Add File

main.go main.gui

```
func (g *gui) makeUI() fyne.CanvasObject {  
    g.bbo = widget.NewButton("(", func() {})  
    g.b9 = widget.NewButton("9", func() {})  
    g.b1 = widget.NewButton("1", func() {})  
    g.ba = widget.NewButton("+", func() {})  
    g.bc = &widget.Button{Text: "C", Importance: fyne.ImportancePrimary}  
    g.bbc = widget.NewButton(")", func() {})  
    g.b7 = widget.NewButton("7", func() {})  
    g.b6 = widget.NewButton("6", func() {})  
    g.bs = widget.NewButton("-", func() {})  
    g.bm = widget.NewButton("*", func() {})  
    g.b3 = widget.NewButton("3", func() {})  
    g.bp = widget.NewButton(".", func() {})  
    g.out = widget.NewLineLabel("0")  
    g.bd = widget.NewButton("/", func() {})  
    g.b8 = widget.NewButton("8", func() {})  
    g.b4 = widget.NewButton("4", func() {})  
    g.b5 = widget.NewButton("5", func() {})  
    g.b2 = widget.NewButton("2", func() {})  
    g.b0 = widget.NewButton("0", func() {})  
  
    return container.NewGridWithColumns(1,  
        g.out,  
        container.NewGridWithColumns(4,  
            g.bc,  
            g.bbo,  
            g.bbc,  
            g.bd),  
        container.NewGridWithColumns(4,  
            g.b7,  
            g.b8,  
            g.b9,  
            g.bm),  
        container.NewGridWithColumns(4,  
            g.b4,  
            g.b5,  
            g.b6,  
            g.bs),  
        container.NewGridWithColumns(4,  
            g.b1,  
            g.b2,  
            g.b3,  
            g.ba),  
        container.NewGridWithColumns(2,  
            container.NewGridWithColumns(2,  
                g.b0,
```

Feedback Run Install Preview Deploy

Type Container

ID

Layout Grid

Count 4

Arrange in Columns

Add Widget (Search)

Widgets

Accordion

Button

Card

Check

DateEntry

Entry

Form

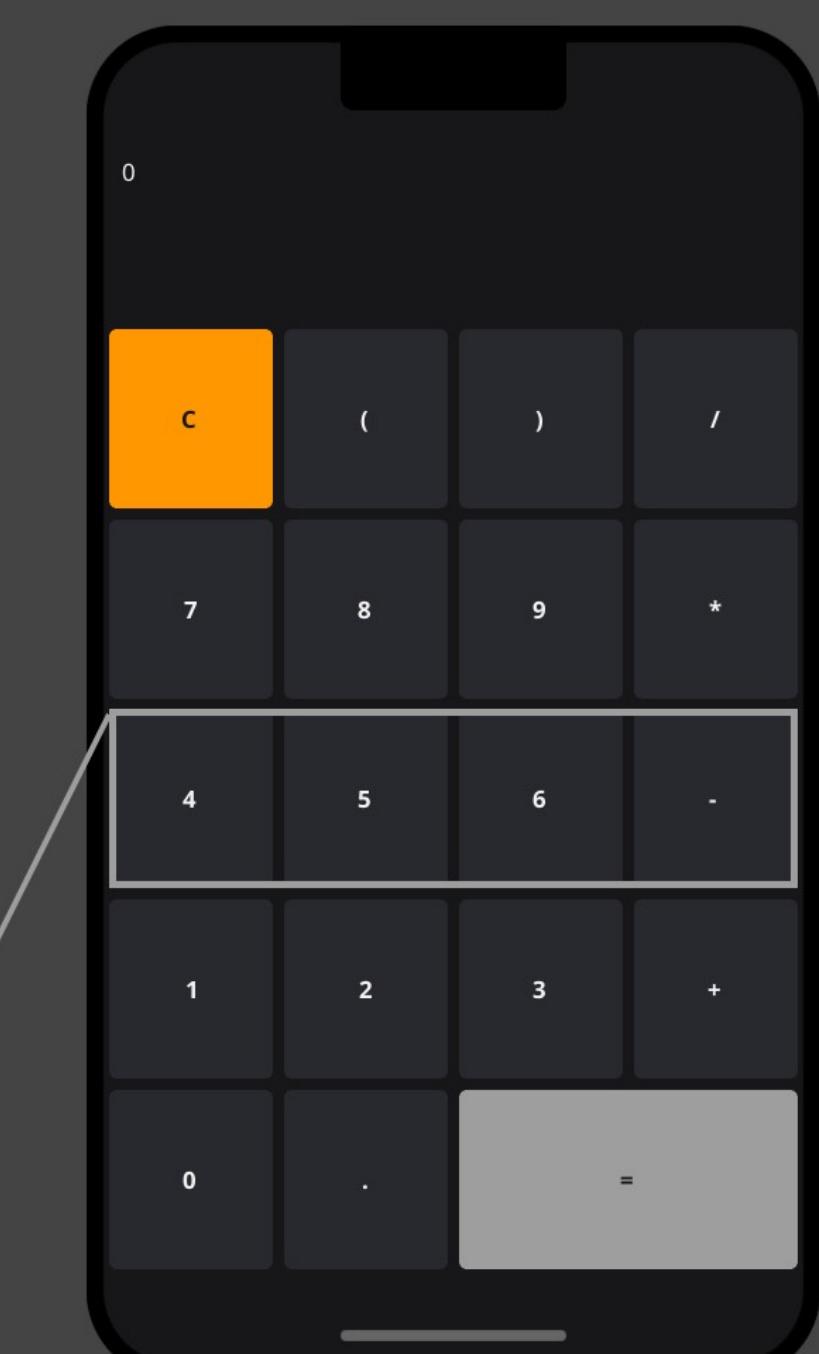
Hyperlink

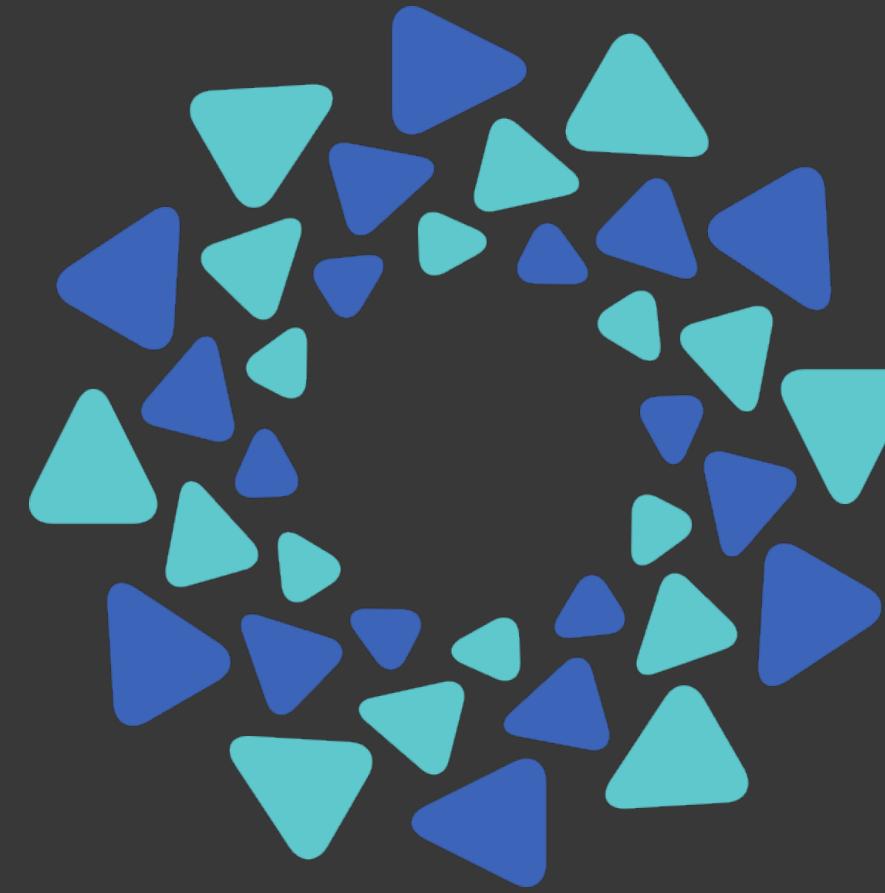
Icon

Label

MultiLineEntry

+ Insert





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Building Better Apps, Everywhere

A Fyne update



Popularity of Fyne!?

- Over **27000** GitHub ⭐s
- Top 1000 OSS projects of all time
- Multiple courses and tutorials
- Present at all major Go conferences



An expanding community!

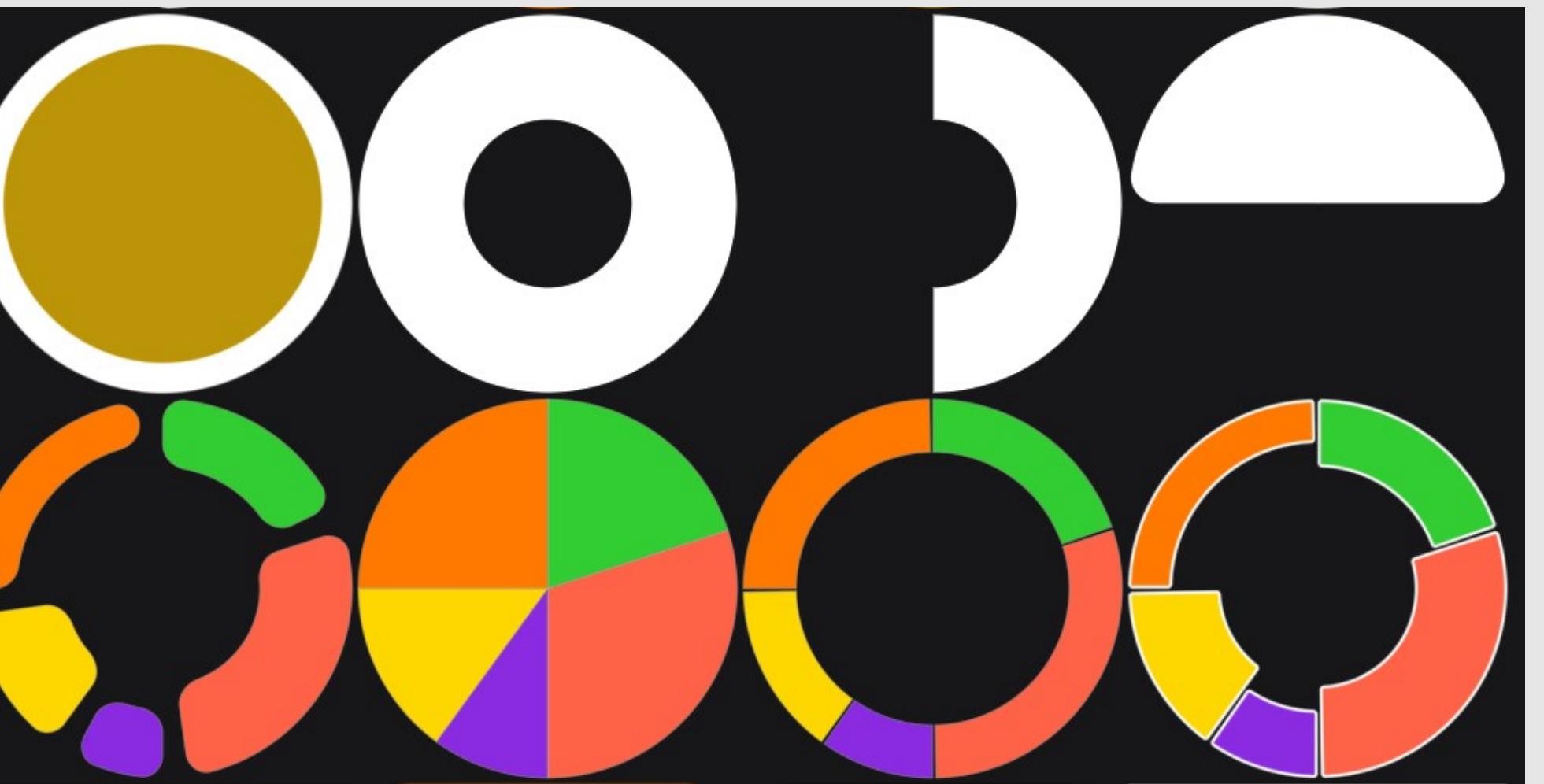
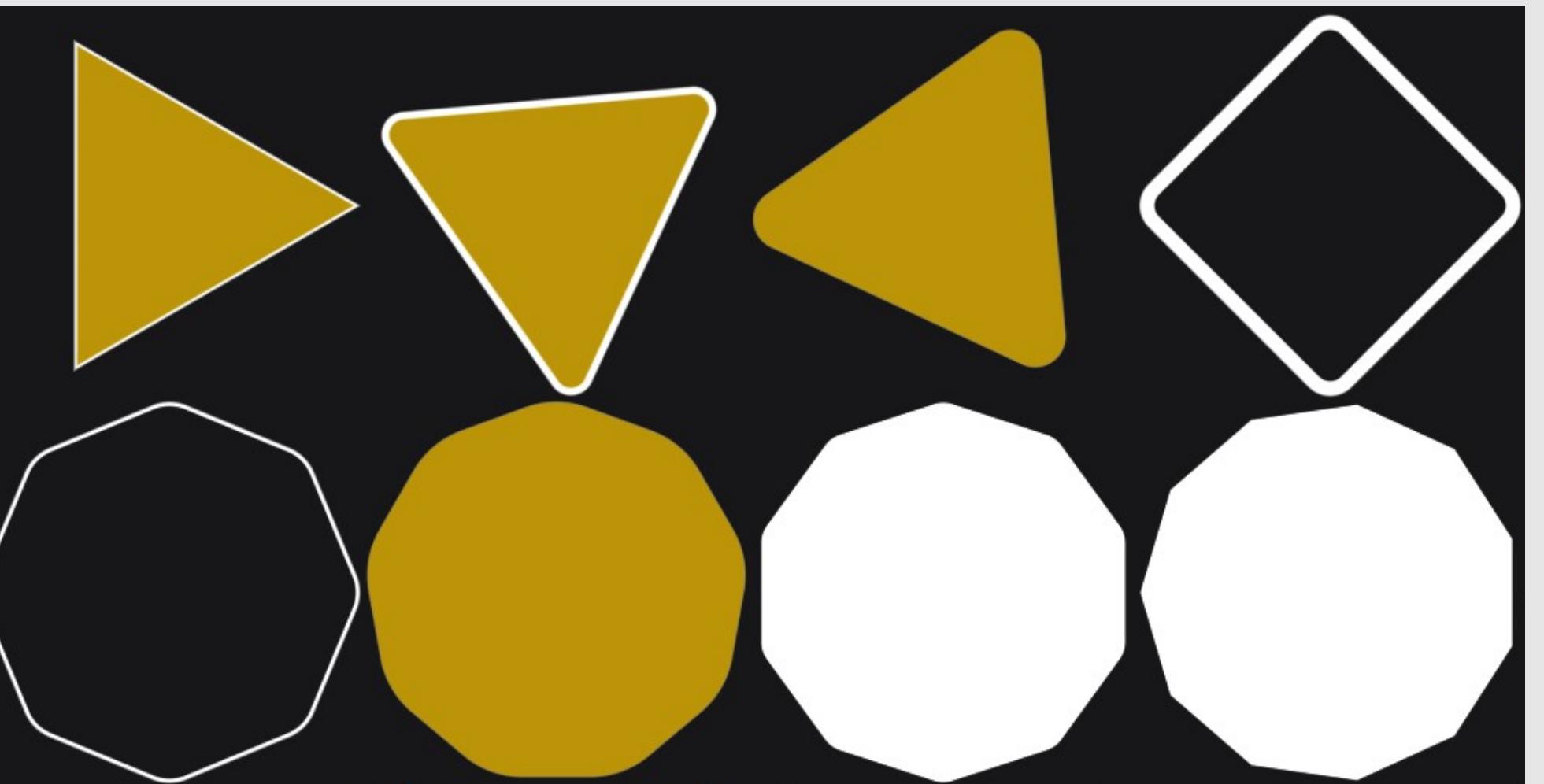
- New core contributors
 - Great new features
 - Massive optimisations
- Interest from around the globe
- Many production apps rolling out
- Even Google is interested 😊
- Giving back to the community

What's new?

Great things across v2.6 and v2.7

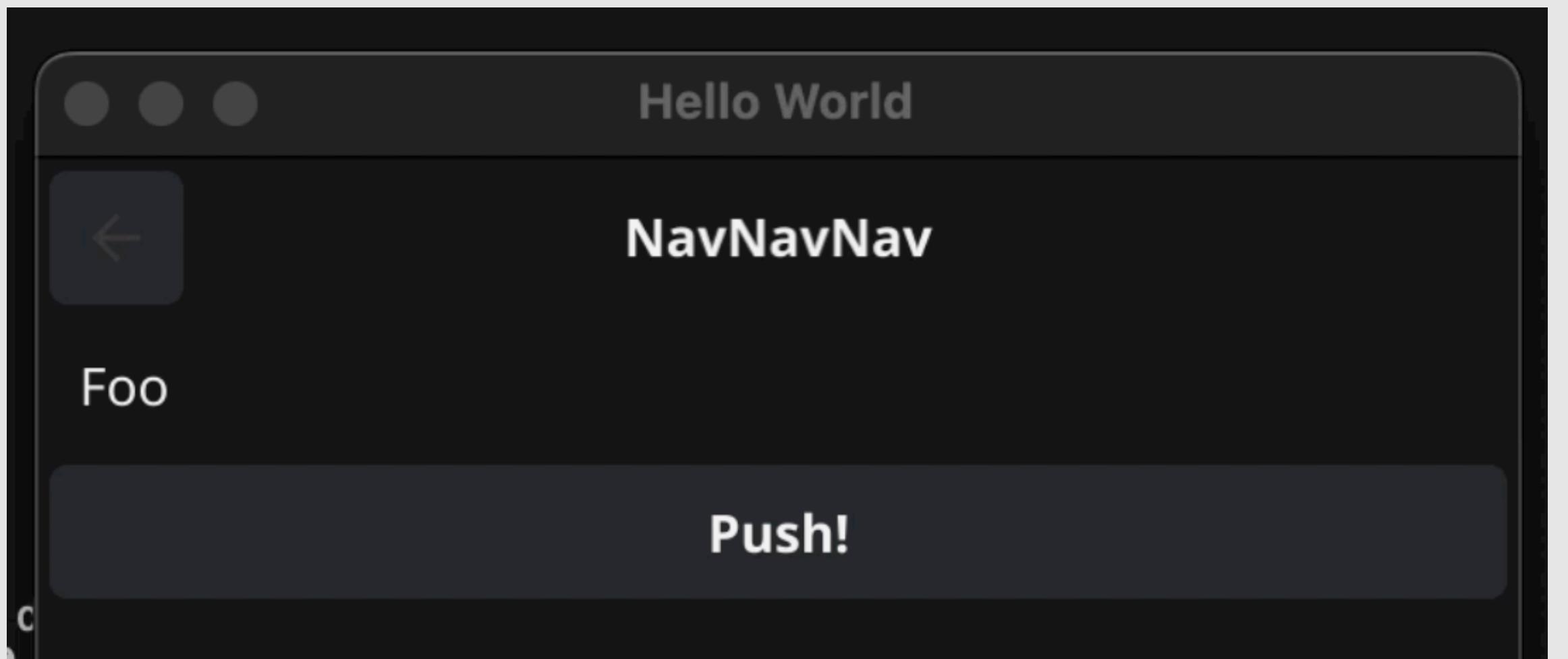
Canvas Objects

- Polygon
- Arc
- Square (& Rectangle.Aspect)
- “Cover” image fill
- “Pill” rectangles with RadiusMaximum
- Image corners



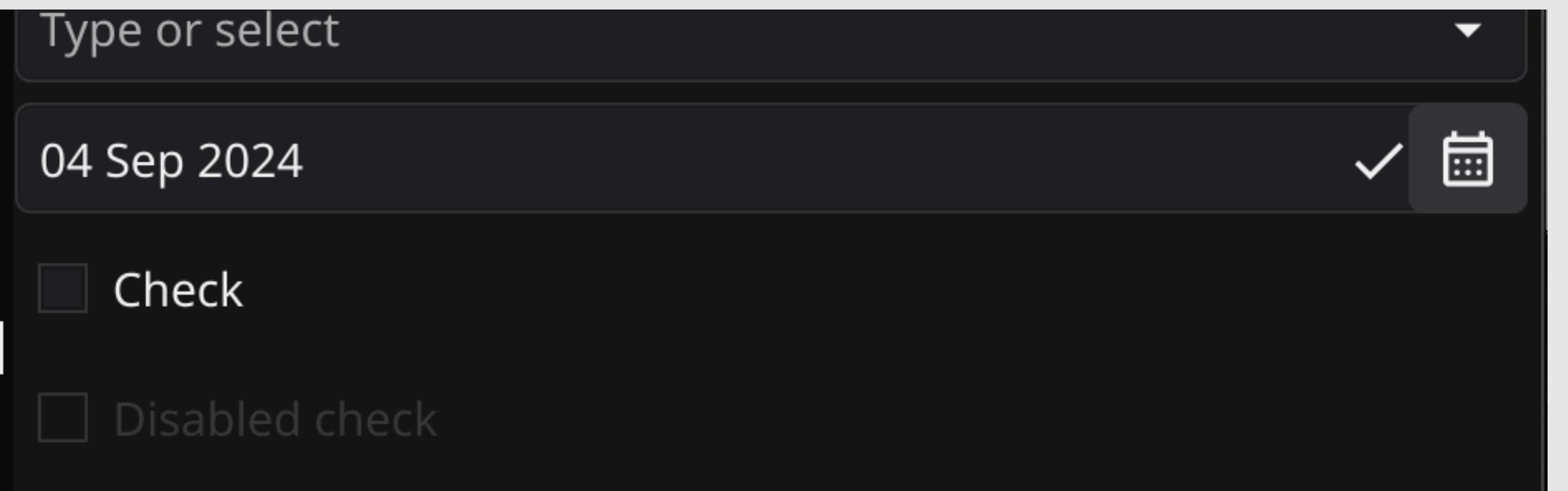
Containers

- Navigation
- Clip
- Additional scroll APIs
- Enhancements for inner window



Widgets

- Calendar, DateEntry
- Partial Check
- Selectable Label
- Entry cursor handling
- Text size for Label widget
- RichText list start number
- Option to always show Entry validation



Enhancing Concurrency

- Improving performance for complex code
- Eliminating possible race conditions
- Simplifying custom widgets
- Handled automatically for simple apps
- New API `fyne.Do` & `fyne.DoAndWait`

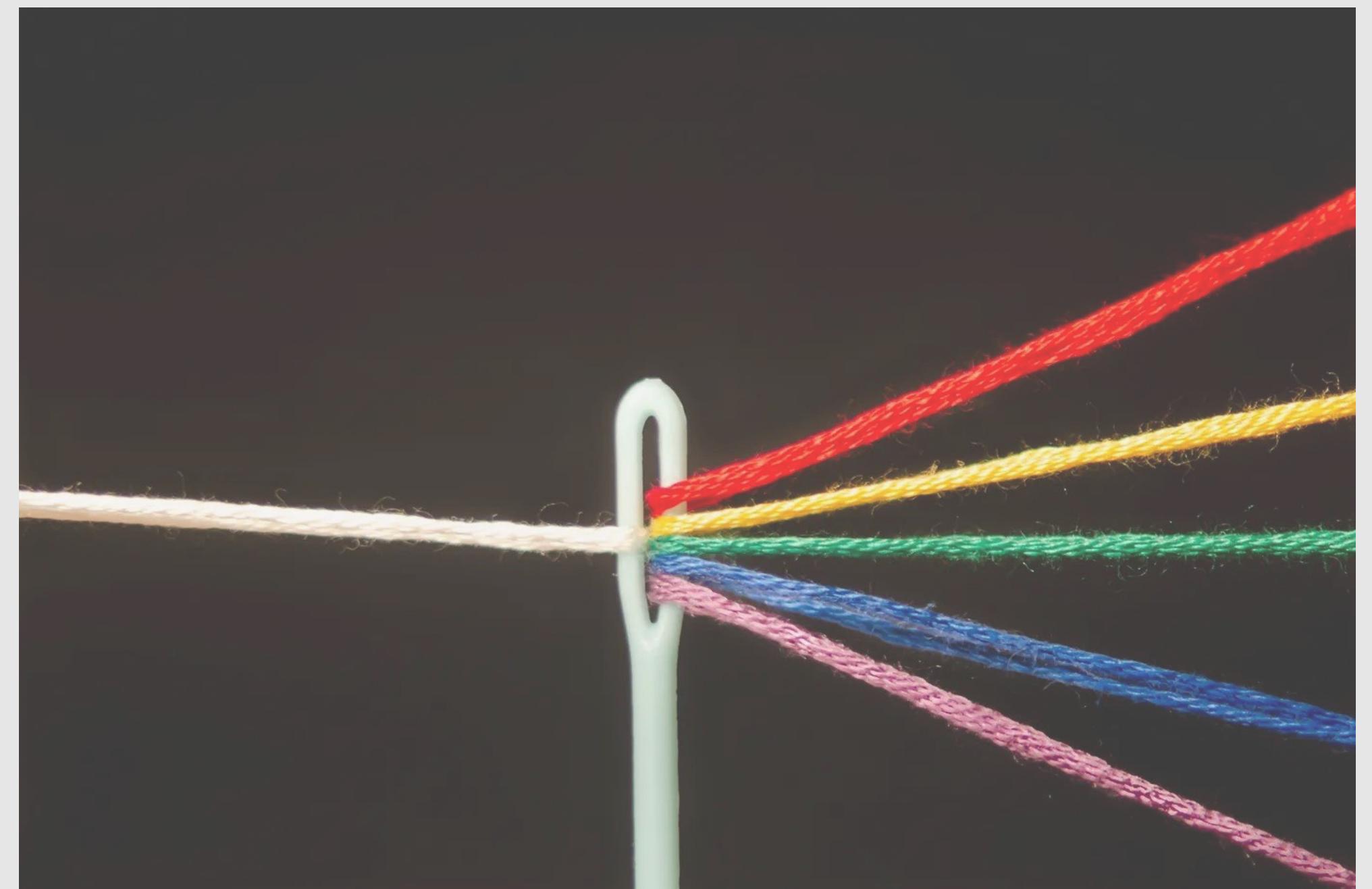


Photo by [John Anvik](#) on [Unsplash](#)

Enhancing Concurrency



```
timeStr := time.Now().Format(time.TimeOnly)
out := widget.NewLabel(timeStr)

go func() {
    for range time.NewTicker(time.Second).C {
        newTime := time.Now().Format(time.TimeOnly)
        fyne.Do(func() {
            out.SetText(newTime)
        })
    }
}()
```

Migrations

- Inspired by Go's metadata approach
- Opt in to new features
- Items will become default over time
- For fyne.Do migration:
 - Test with -tags migrated_fynedo
 - Stronger warnings on 2.8
 - 2.9 likely will be on by default

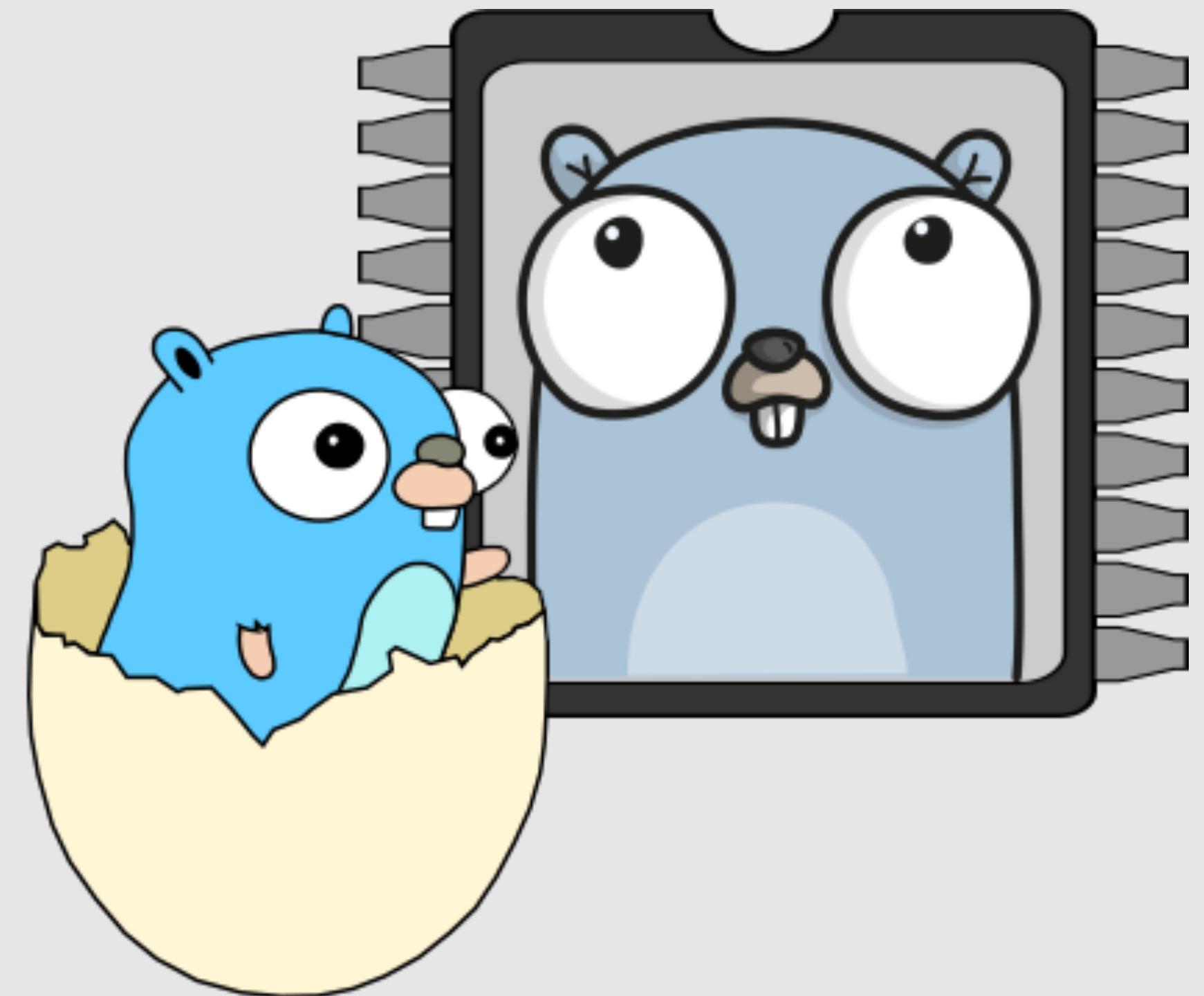


```
[Details]
Icon = "img/logo.png"
Name = "Hello World"
...

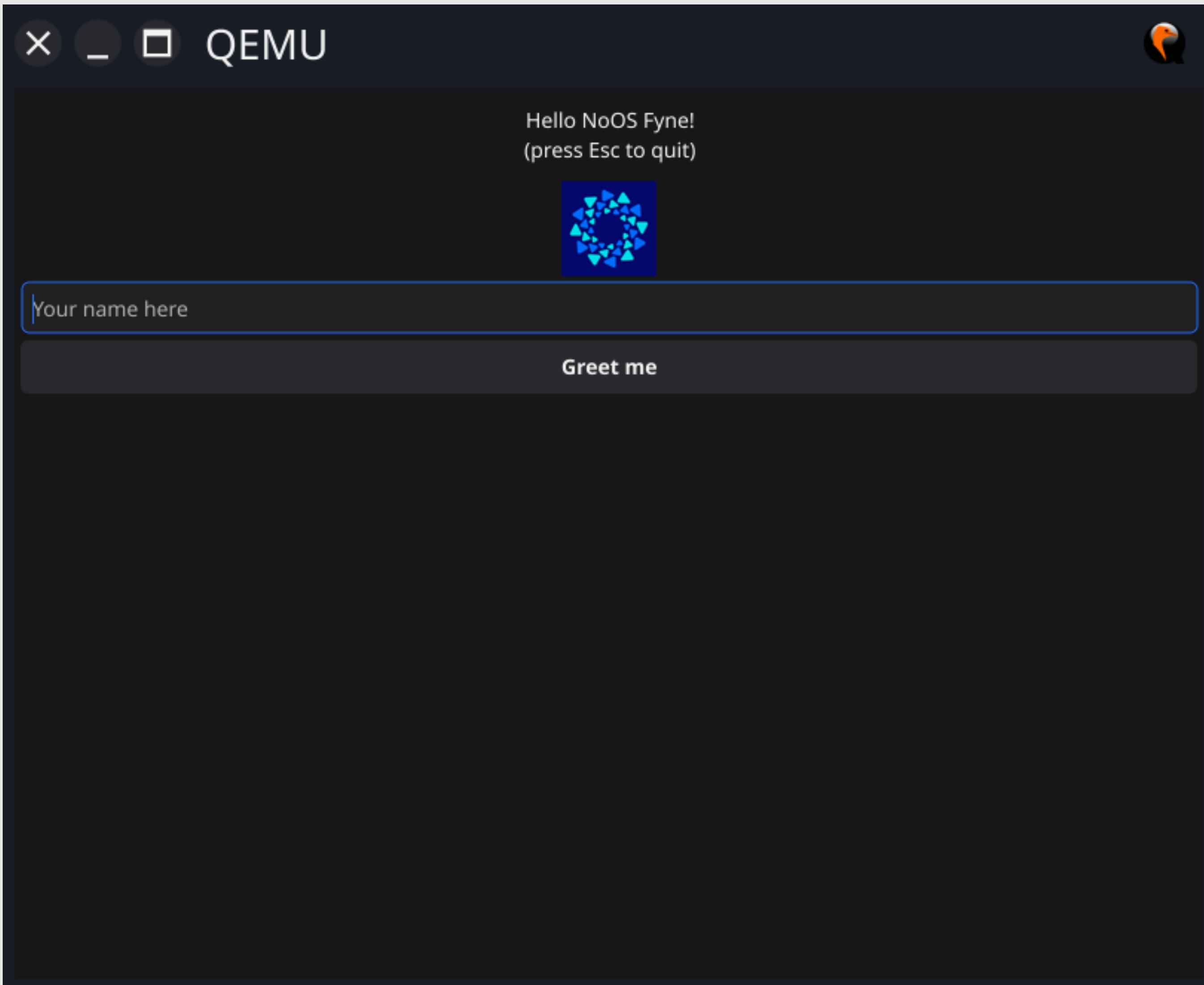
[Migrations]
fyneDo = true
```

New “tiny” usages of Fyne

- Support for Tamago and TinyGo
- Addition of “Embedded” Driver
- Define how the rendered frame is displayed
- Provide an event channel and device info
- Call `app.SetDriverDetails`
- Common drivers available in `fyne-x`

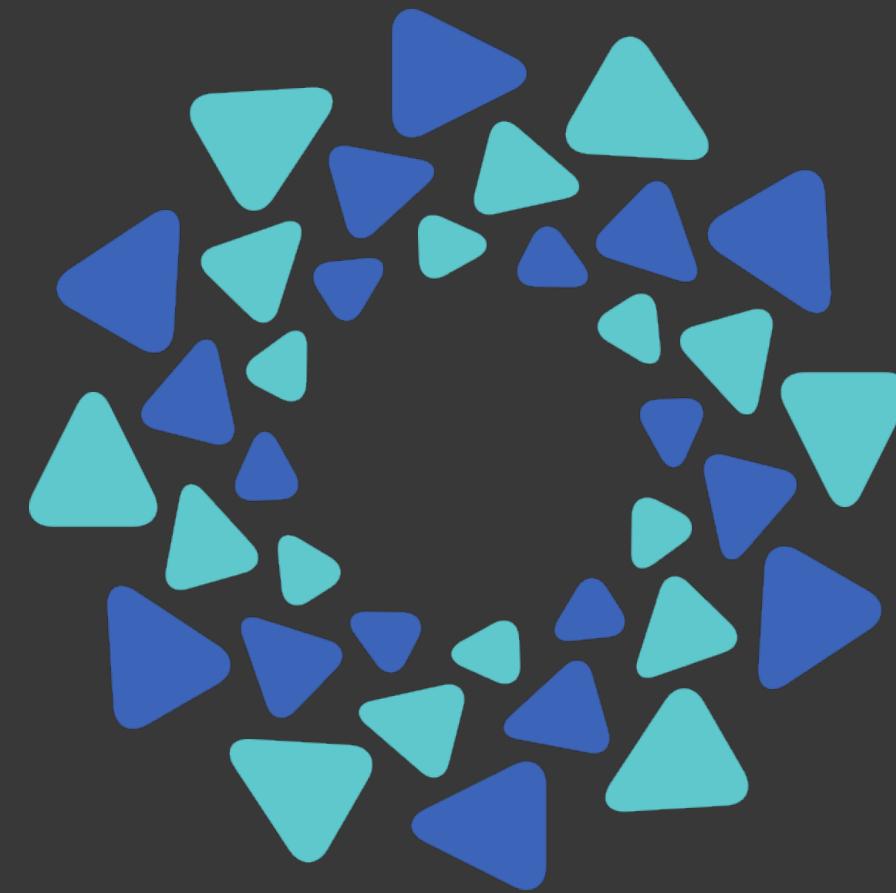


New “tiny” usages of Fyne



Plus

- Mobile scroll speed and “momentum”
- Massive performance increases on rendering and many widgets and data APIs
- Storage for web driver
- Generic APIs for data binding
- Add RowWrap layout
- Support left-tap systray show window
- Translations including Portuguese, Greek, Chinese (Simplified) - **14 total**



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Thank you - everyone!

You make this possible

