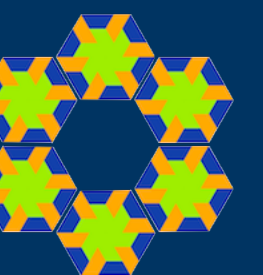


# Go Struct Explorer

An extra debugging tool

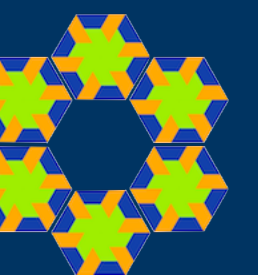
Ernest Micklei, January 17, 2025



Exploring application state ?

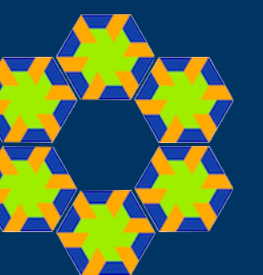
# Logger

- print statements
- `%#v` does not print unexported fields
- hard to explore (grep-ing)



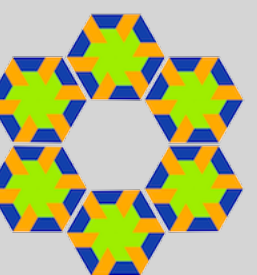
# Debugger

- requires start with breakpoint(s)
- deep UI tree exploration
- watches are only visible in exec context

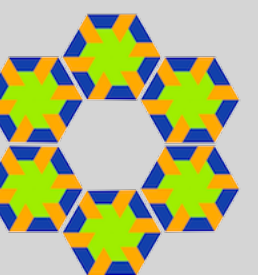


Inject a HTTP service to **explore** it

```
type Album struct {  
    Title      string  
    Artist     string  
    Artwork    *image.Image  
    Genre      *string  
    cachedDuration time.Duration  
}
```

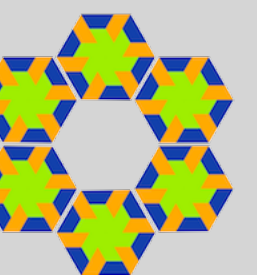
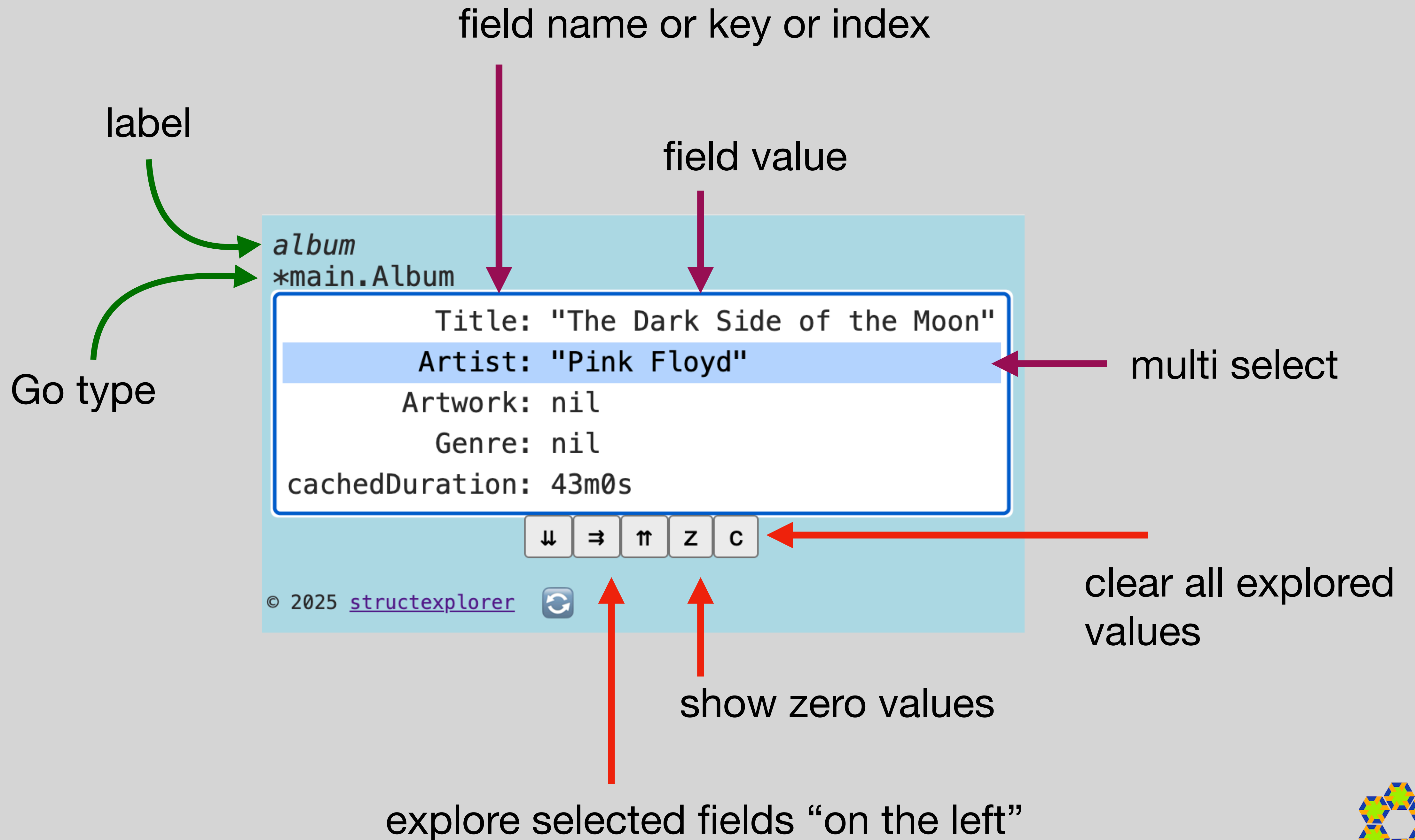


```
func main() {  
    a := &Album{  
        Title:      "The Dark Side of the Moon",  
        Artist:     "Pink Floyd",  
        Genre:      nil,  
        cachedDuration: 43 * time.Minute,  
    }  
    structexplorer.NewService("album", a).Start()  
}
```



<http://localhost:5656>





# DEMO

[github.com/emicklei/structexplorer](https://github.com/emicklei/structexplorer)

