2019 TECH(K)NOW Day Taipei

Let's GO For Web!

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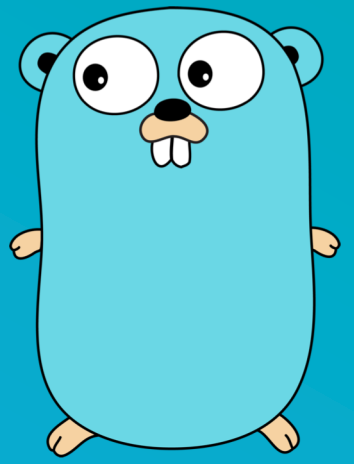


2019.4.20

RESTful API Service

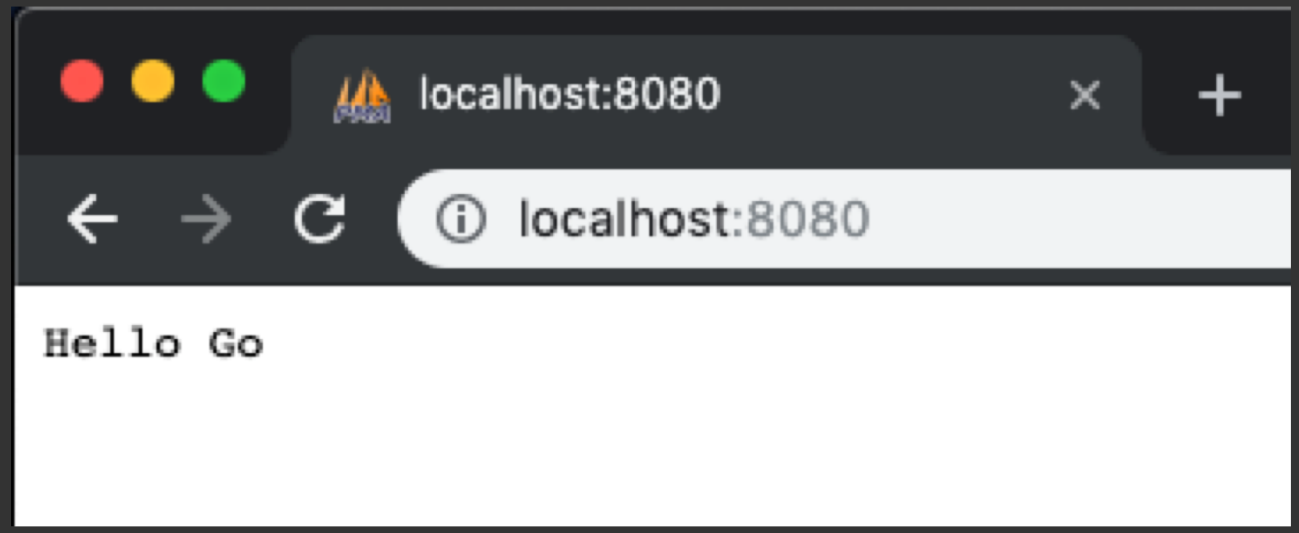
GET POST PUT PATCH DELETE

```
$ go get -u github.com/gin-gonic/gin
```

```go
package main

import (
    "github.com/gin-gonic/gin"
)

func main() {
    log.Println("Start web service")

    r := gin.Default()

    r.Run(":8080")
}
```

```go
package main

import (
    "log"

    "github.com/gin-gonic/gin"
)

func main() {
    log.Println("Start web service")

    r := gin.Default()

    r.Run(":8080")
}
```

```go
func main() {
    log.Println("Start web service")

    r := gin.Default()

    r.GET("/", func(c *gin.Context) {
        c.String(http.StatusOK, "Hello Go")
    })


    r.Run(":8080")
}
```

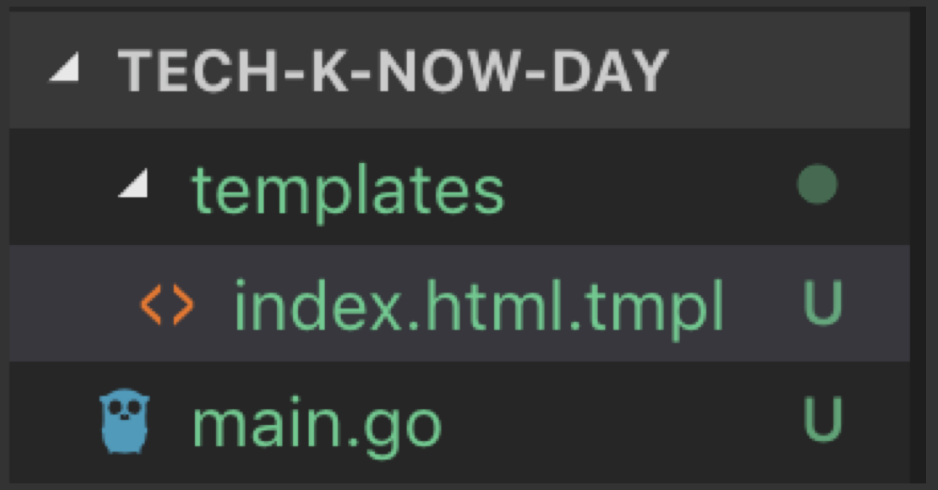



```
[GIN-debug] Listening and serving HTTP on :8080
[GIN] 2019/04/17 - 23:48:16 | 200 |      28.986µs |             ::1 | GET      /
```

https://github.com/ashleymcnamara/gophers

```
    r.GET("/", index)


func index(c *gin.Context) {
    c.String(http.StatusOK, "Hello Go")
}
```

HTML Template




```
<html>
    <head>
        <title>Hello TECH(K)NOW Day</title>
    </head>
    <body>
        <h1>Hello TECH(K)NOW Day</h1>
    </body>
</html>
```

HTML Template extension name

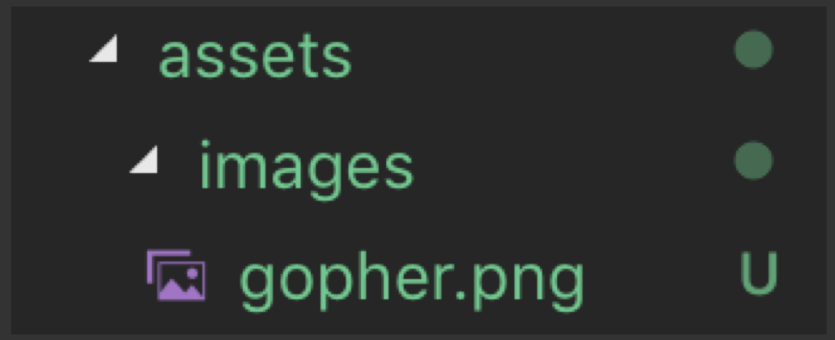
thtml	0%	
gohtml	<1%	
tpl	14%	
tmpl	85%	- html.tmpl

```
func main() {
    log.Println("Start web service")

    r := gin.Default()

    r.LoadHTMLGlob("templates/*")

    r.GET("/", index)

    r.Run(":8080")
}

func index(c *gin.Context) {
    c.HTML(http.StatusOK, "index.html.tmpl", gin.H{})
}
```

```
c.HTML(http.StatusOK, "index.html.tmpl", gin.H{
    "Title": "Hello TECH(K)NOW Day",
})
```

```
<body>
    <h1>{{.Title}}</h1>
```

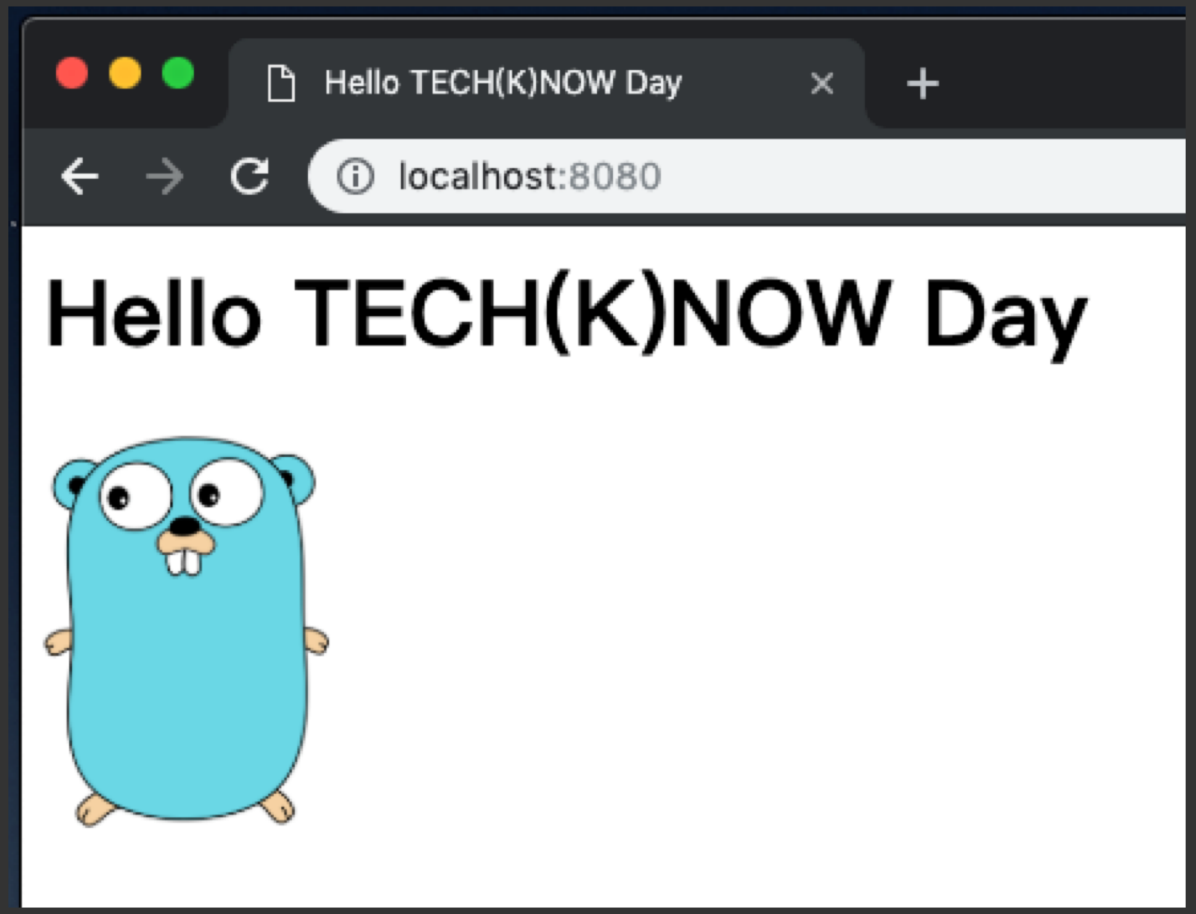
Static Assets




```go
r := gin.Default()

r.Static("/assets", "./assets")

r.LoadHTMLGlob("templates/*")
```

```html
<body>
    <h1>Hello TECH(K)NOW Day</h1>
    <img src="/assets/images/gopher.png" width="100">
</body>
```

https://github.com/golang-samples/gopher-vector

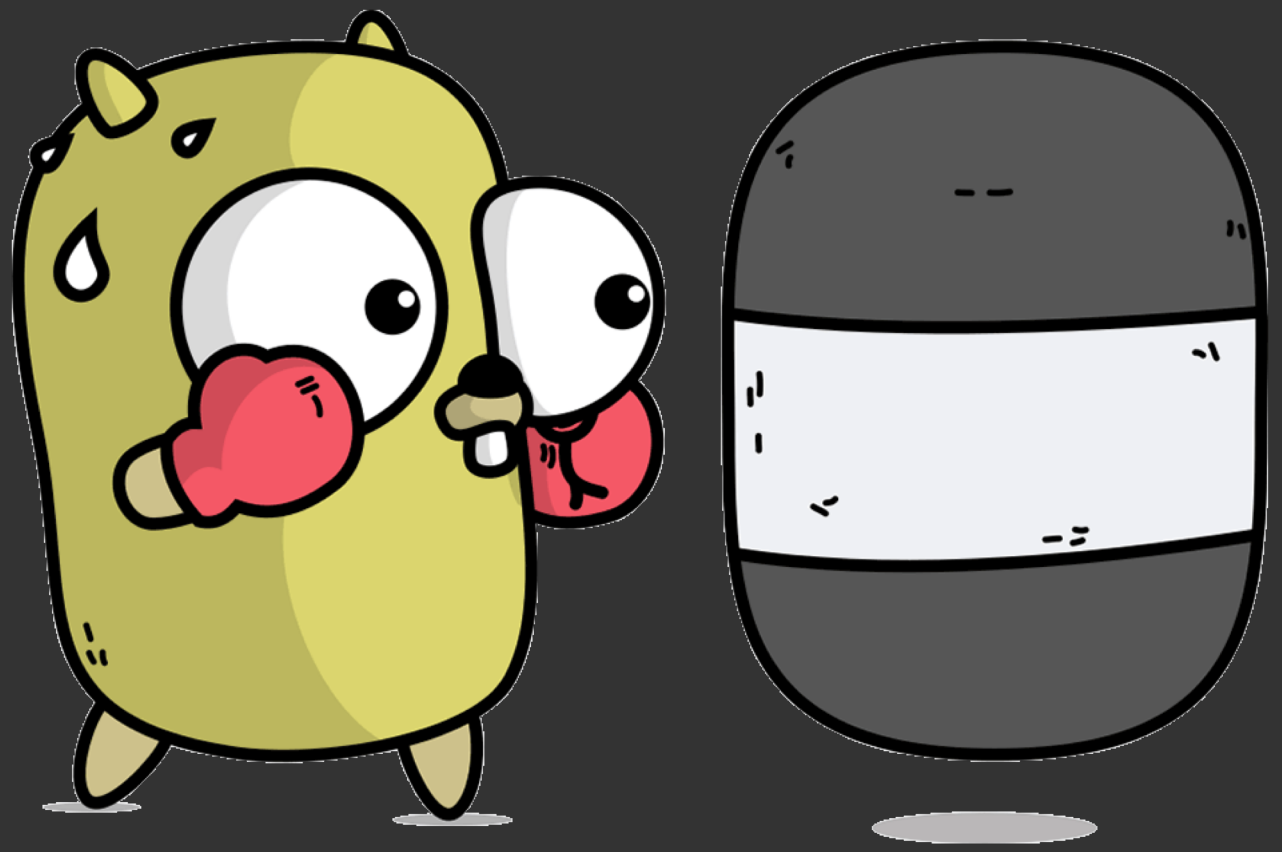

Hello TECH(K)NOW Day
localhost:8080
Hello TECH(K)NOW Day

POST Form

```
r.POST("/login", login)
```

```go
func login(c *gin.Context) {
    username := c.PostForm("username")
    log.Println("username:", username)
    c.String(http.StatusOK, "Hi "+username)
}
```

```html
<form action="/login" method="POST">
    Username: <input type="text" name="username">
</form>
```



https://dev.to/deanveloper/the-gopher-is-not-dead-1m7k