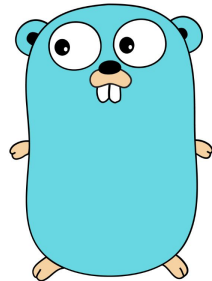# Quick & Dirty Webapps

Using Go

What are we looking at today?

1) We will look at two web-apps.

    a) For each example we will:

        i) Look at the webpage...
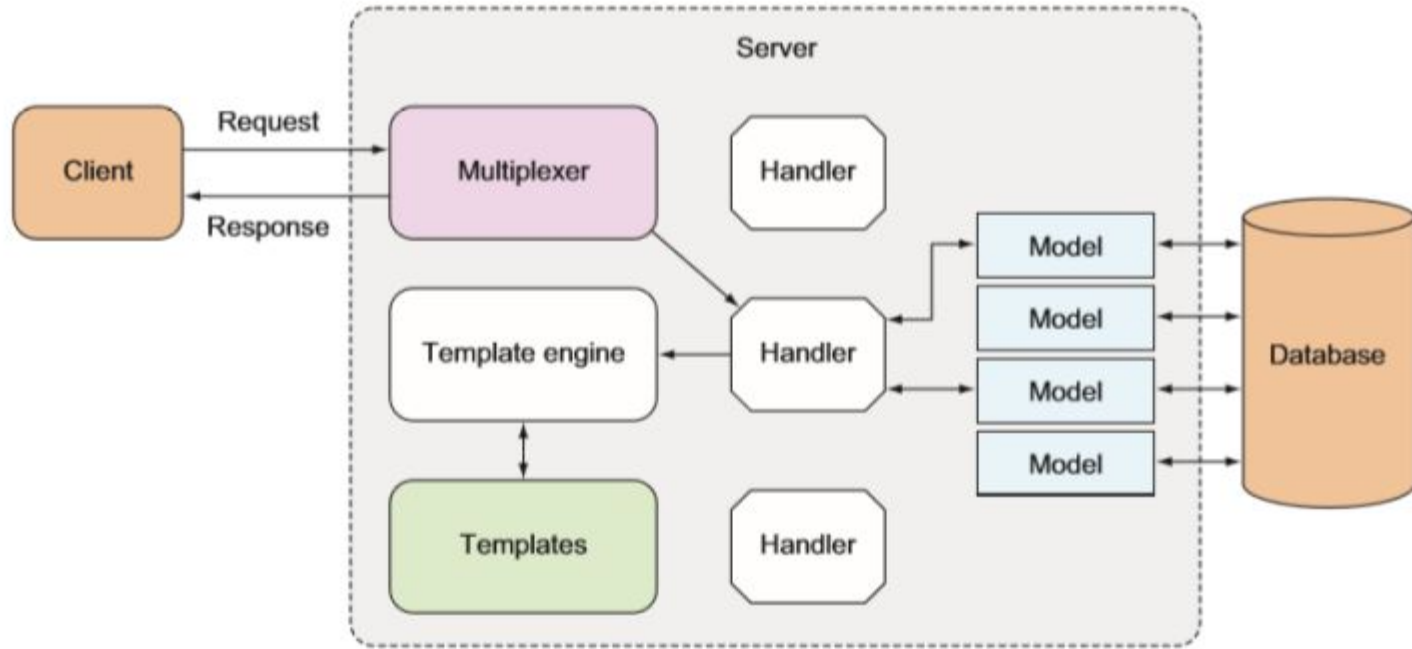   ii) Look at the code!

The Premise(s)

1) You have ~1 year experience programming.
   a) If you write kernels, compilers and OS's and so on - *Sorry!*
   b) If you are new to programming and keen to learn more about Go - *This might be useful!*

2) If it's easy to follow, you will want to learn more!
   a) Maybe you've developed a fancy tool at work, but want to add a simple GUI layer on top?
   b) There are web frameworks i.e **Buffalo** & **Beego** but they are a layer or two more complex than what I will show you. So why not start here then progress up?
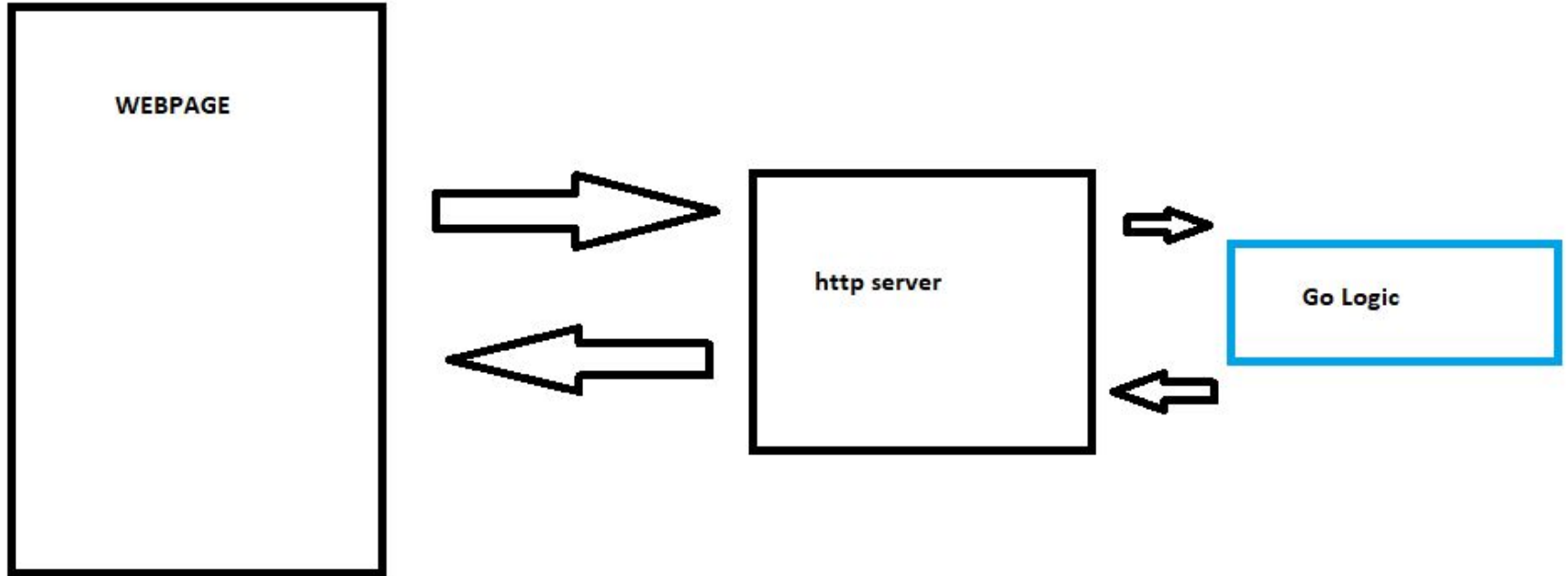
What do you need to know for this content?

1) A bit of ...
   a) HTML knowledge (*forms, buttons, text input, values*)
   b) Go knowledge (< *1 year*)
   c) Understanding of Handlers in HTTP (*"/" and "/dostuff" <- that basically*)

A Go Webserver

What we are looking at today!

Example 1 - Small template

https://github.com/tbal999/tldr-webapp/blob/main/basic.go

This is a webapp example.

This app takes text input and prints it back out to you on the web page.

It demonstrates taking in user input and then processing it and presenting it back to you.

Example 2 - TLDR app

https://github.com/tbal999/tldr-webapp

This app makes use of a free external library (tldr) that can summarize large amounts of text.

You paste in a <7000 character long piece of text and hit submit and it will provide a concise summary of that text!

Or press Exit to quit the application.

What could you do next?

1) Set up your own website!
   a) https://fern91.com <- mine in case you're interested!

2) Build web apps (URL shorteners / photo albums)
   a) Feel free to use the examples as templates!

3) Use JSON to save and load information.
   a) Then move on to using databases!

4) **Most importantly - have fun!!**

Little bit about me...

- https://www.linkedin.com/in/tom-balcombe-91539276/
    - My linkedin

- https://soundcloud.com/tomx3-1
    - Electronic music production

- https://github.com/tbal999
    - Code

Q&A