WebDev for Beginners

Lisa Wagner

Lisa Wagner

- 28
- German
- 3 years in NYC
- Bachelor's in Computer Science,
  working on my Master's as of two weeks ago

- Name?
- Why are you here?
- Any experience with programming?

Goals

- A Website from scratch
- Basic understanding of Web Development
- Tools and vocabulary to go on learning

Outline

1. Environment Setup & Tools
2. HTML
3. CSS
4. JavaScript
5. Team Project
6. Team Project

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1. Environment Setup & Tools
2. HTML
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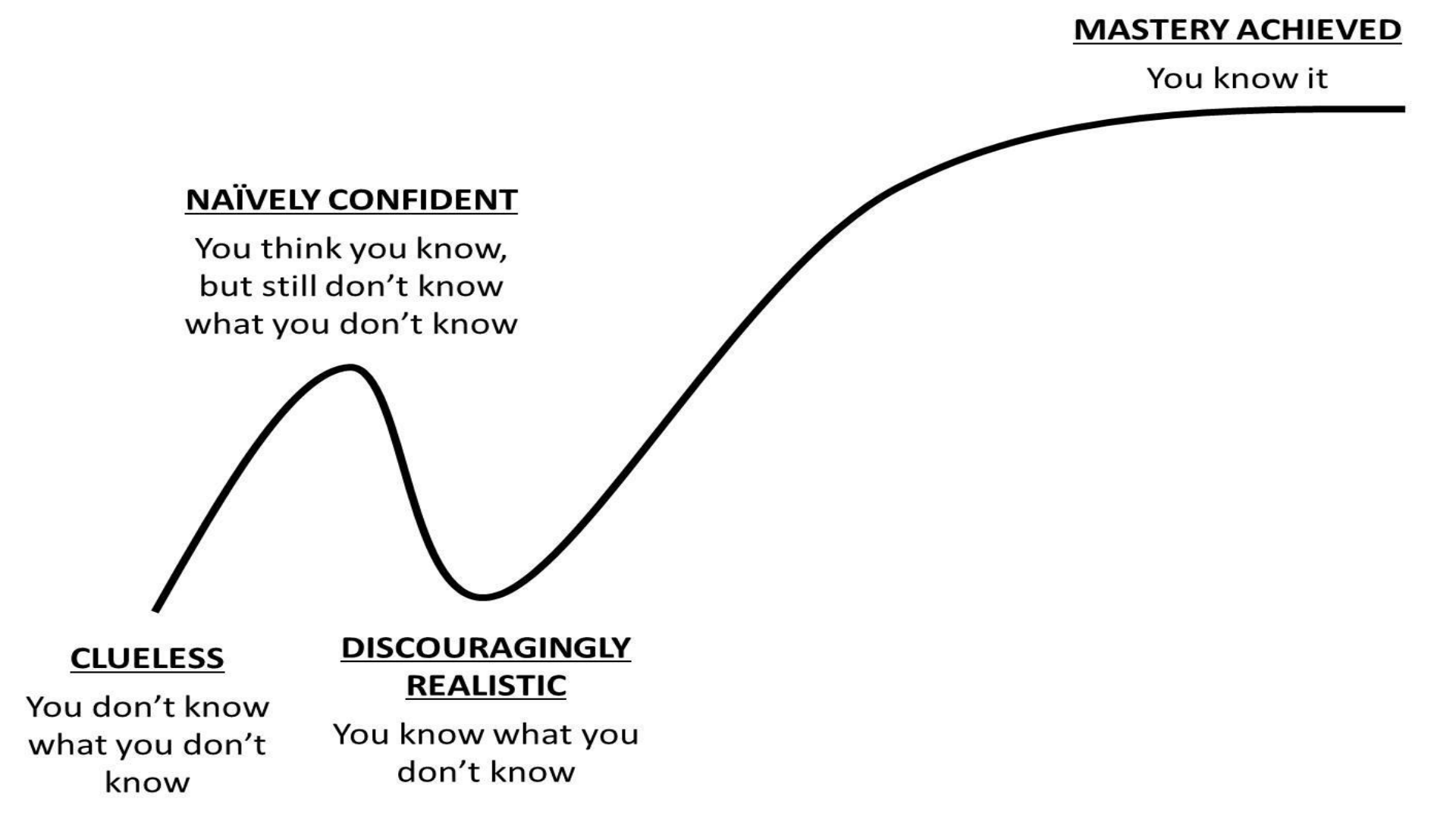
6. Team Project

- Introduction
- Review
- Practice

QUESTIONS


MASTERY ACHIEVED
You know it
NAÏVELY CONFIDENT
You think you know, but still don't know what you don't know
CLUELESS
You don't know what you don't know
DISCOURAGINGLY REALISTIC
You know what you don't know

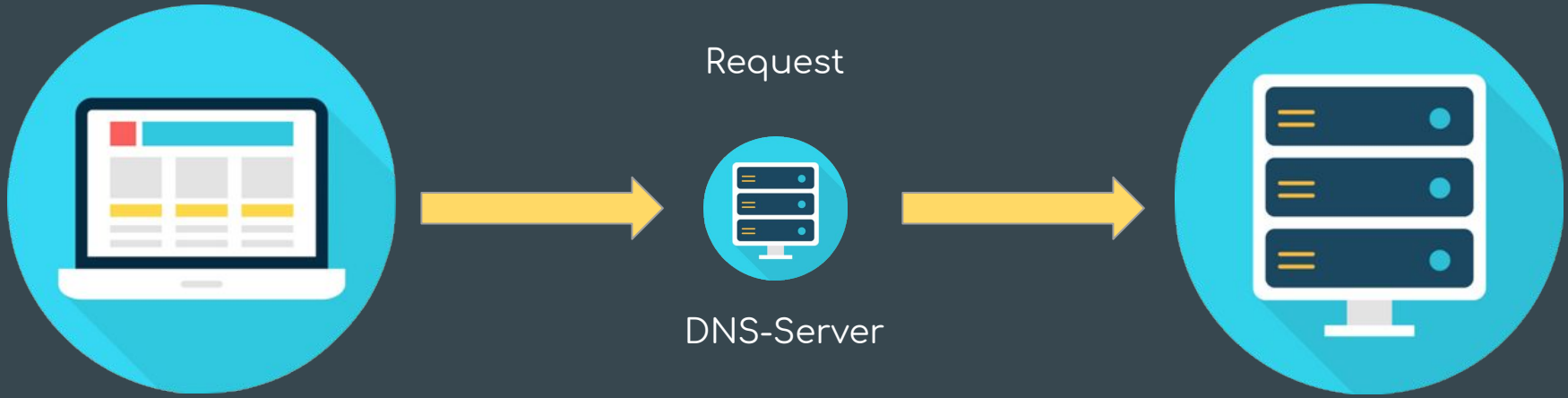
how the web works
Canada
United States
México
Brasil
Россия
中国
Indonesia
Australia
SE
NO
UK
DE
PL
UA
KZ
MN
UZ
TR
IR
SD
NG
ET
VE
CO
CD
KE
PE
AO
BO
NA
PY
ZA
AR
NZ
© Mapbox

Client

- Browser
- indirectly connected to Internet

Server

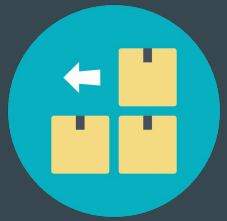
- Websites
- Files
- directly connected to internet



- address lookup
- IP to Domain translation

google.com <=> 172.217.12.206

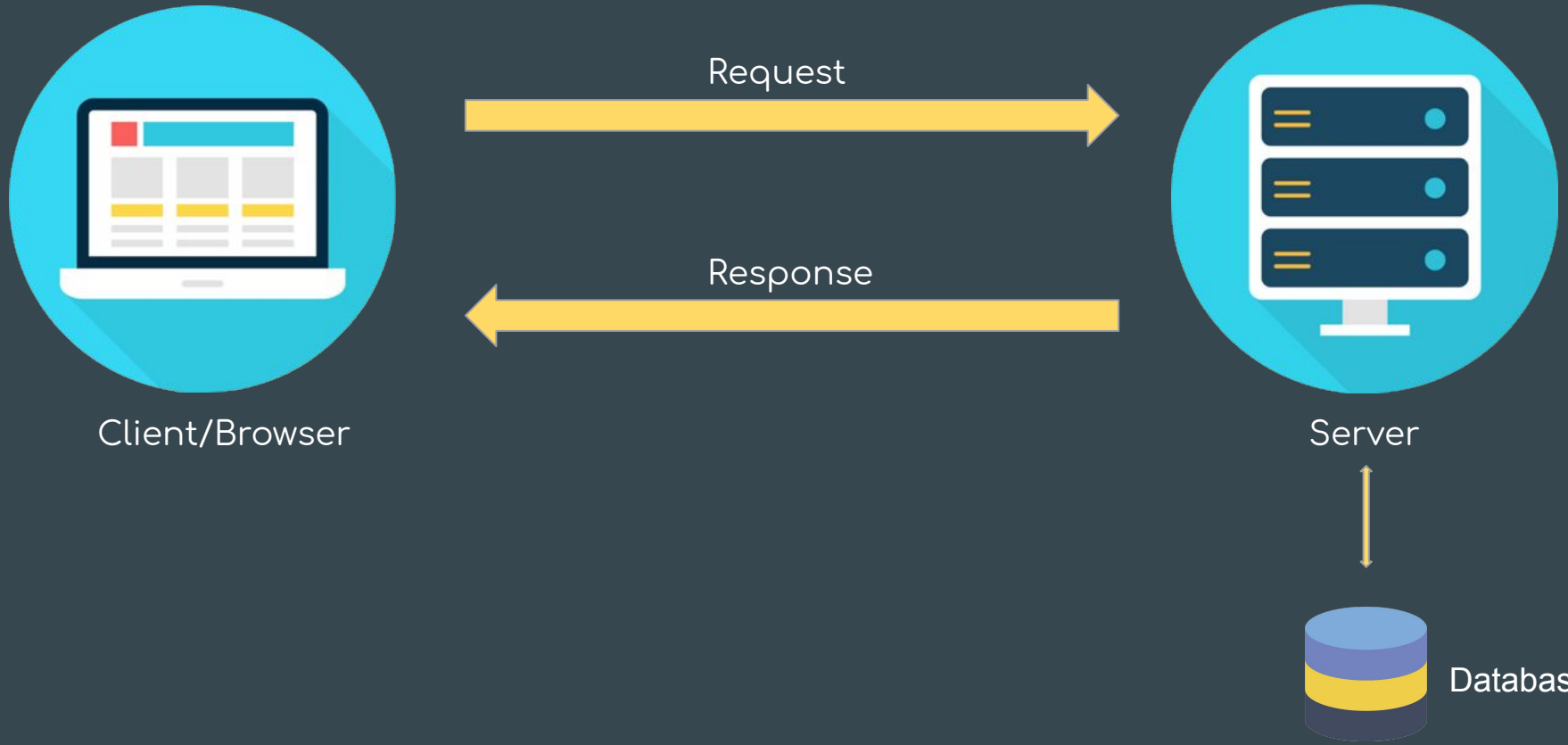
Client



Response

Server

- Websites
- Files
- Videos
- Tweets


Request
Response
Client/Browser
Server
Database

Setting up our Environment

1. Download some tools
2. Setting up project folder and files
3. Start Coding

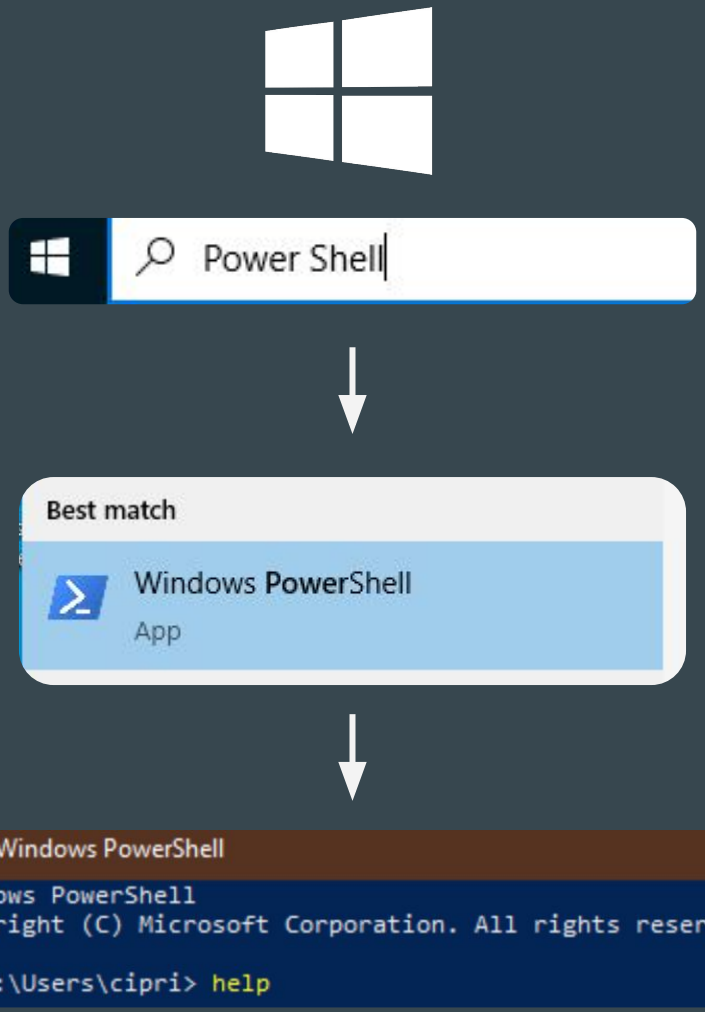
Github

- Distributed Version Control
- Copy *repository*
- Change your copy
- Check in/*commit* changes
- (Merge conflicts)

desktop.github.com

File Structure

1. Using Shell Commands
2. Windows PowerShell and Mac Terminal


Power Shell
Best match
Windows PowerShell
App
Windows PowerShell
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.
PS C:\Users\cipri> help
cmd + space
terminal
TOP HITS
Terminal
lisawagner — -bash — 46×24
Last login: Sat Sep 14 16:13:15 on ttys000
lisawagner@Lisas-MacBook-Pro.local:~$

bash.sh

```bash
pwd                         // show current location

ls                          // list directory contents

cd path/to/myProject        // change directory

cd ..                       // go up one level

mkdir project               // create new directory

touch file.txt              // Mac:     create new file
ni    file.txt              // Windows: create new file

open .                      // Mac:     open current folder
ii .                        // Windows: open current folder

tab key to auto complete or preview
```

FOLDERS

- webDevClass
  - html
    - home.html
  - images
  - styles

Sublime Text

- Code Editor
- Fast & lightweight
- convenient features – when you need them

sublimetext.com/download

Code and Commit

Summary

- Client-Server Model
- Github Repositories, version control and saving progress
- Sublime to write code
- Shell commands, quickly create directories and files

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