

#Webdesign

#Lukas Oppermann

UI / UX Designer

#veare

- veare is my agency
- work with agencies & companies like Telekom, Bosch and Congstar on:
 - websites
 - mobile & desktop apps
 - embedded software

#Lukas Oppermann

- Code since high school
- Languages: HTML, CSS, JS, PHP, MySQL
- Current Project: Form&System – an api based cms

#Contact

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[https://github.com/
lukasoppermann/creative-web](https://github.com/lukasoppermann/creative-web)

#Your objectives

What do you want to learn?

#Objectives

- understanding & working with
html, css, js
- intro to tools like wordpress &
google analytics
- learning about UX on the web

#Rules

#Rules

1. **Stop me immediately** when I am to fast or you have a question.
2. **Always ask** questions immediately

#Passing

What do you have to do?

#Attendance

As required by BTK

#Do your work

- always hand in homework
- do your presentation



Short history

of computers & the internet



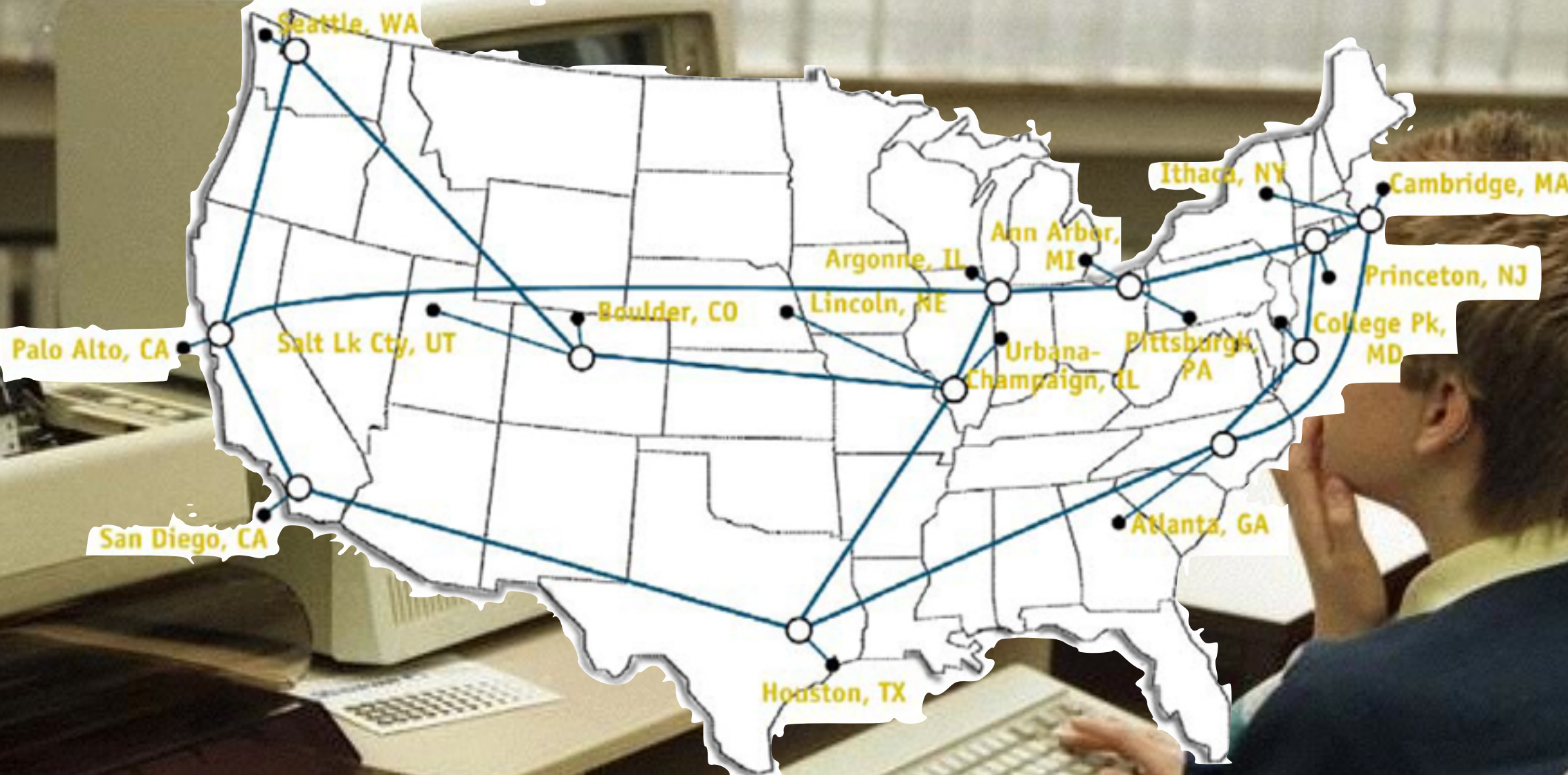
Zuse

first programmable computer 1938



1980s

home computers hit the market



Short history

of computers & the internet

A photograph of Sir Tim Berners-Lee, a middle-aged man with thinning brown hair, wearing a dark suit and a light blue shirt. He is looking thoughtfully to his left, with his right hand raised near his chin. The background is a museum exhibit featuring a large, vertical display of text, likely the original proposal for the World Wide Web, which is out of focus. The lighting is warm and focused on the subject.

Sir Tim Berners-Lee

Invents the Internet of today 1989

Info	r	Mark all	A
Navigate	r	Mark selection	M
Document	r	Link to marked	L
Find	r	Link to New	N
Edit	r	Unlink	Z
Links	r	Link to file...	
Style	r	Help	
Print...	p		
Page layout...			
Windows	r		
Services	r		
Hide	h		
Quit	q		

The World Wide Web project

World Wide Web

The 'WorldWideWeb' (W3) is a wide-area hypertext information retrieval initiative aiming to give universal access to a large universe of documents.

Everything there is online about W3 is linked directly or indirectly to this document, including an executive summary of the project, Mailing lists, Policy, November's W3 news, Frequently Asked Questions.

What's out there?
Pointers to the world's online information, subjects, W3 servers, etc.

Help
on the browser you are using

Software Products
A list of W3 project components and their current state. (e.g. Line Mode, X11 Viola, NeXTStep, Servers, Tools, Mail robot, Library)

Technical
Details of protocols, formats, program internals etc

Bibliography
Paper documentation on W3 and references.

People
A list of some people involved in the project.

History
A summary of the history of the project.

How can I help?
If you would like to support the web..

Getting code
Getting the code by anonymous FTP, etc.

Navigation

< Previous

Back up

Next >

Home

Help

The first website

HTML only

Next App	Frequently	Hypertext	Policy --	Summary --	3211 --



HTML (23y)

HyperText Markup Language



CSS (18y)

Cascading Style Sheets



JS (18y)

JavaScript / ECMA Script

#What is the internet?

A simplified explanation.

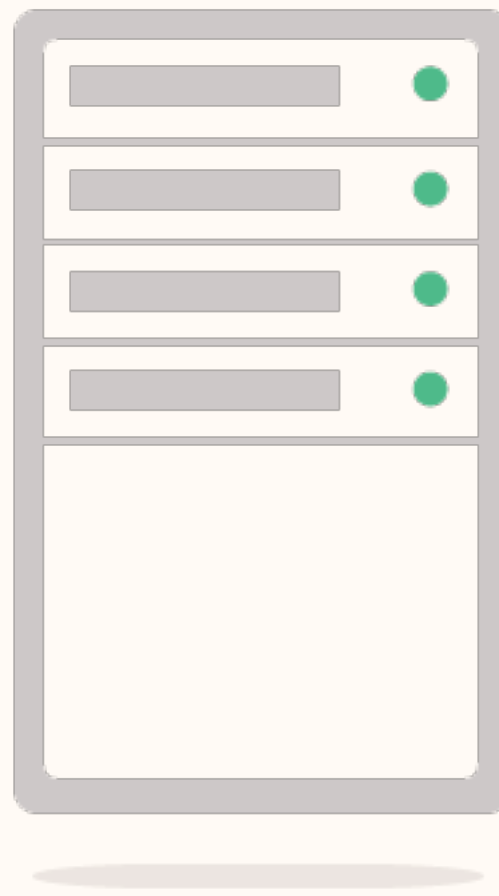
#The internet is...

a network of connected servers.



#A server is...

a computer which is always online
(connected to the network).

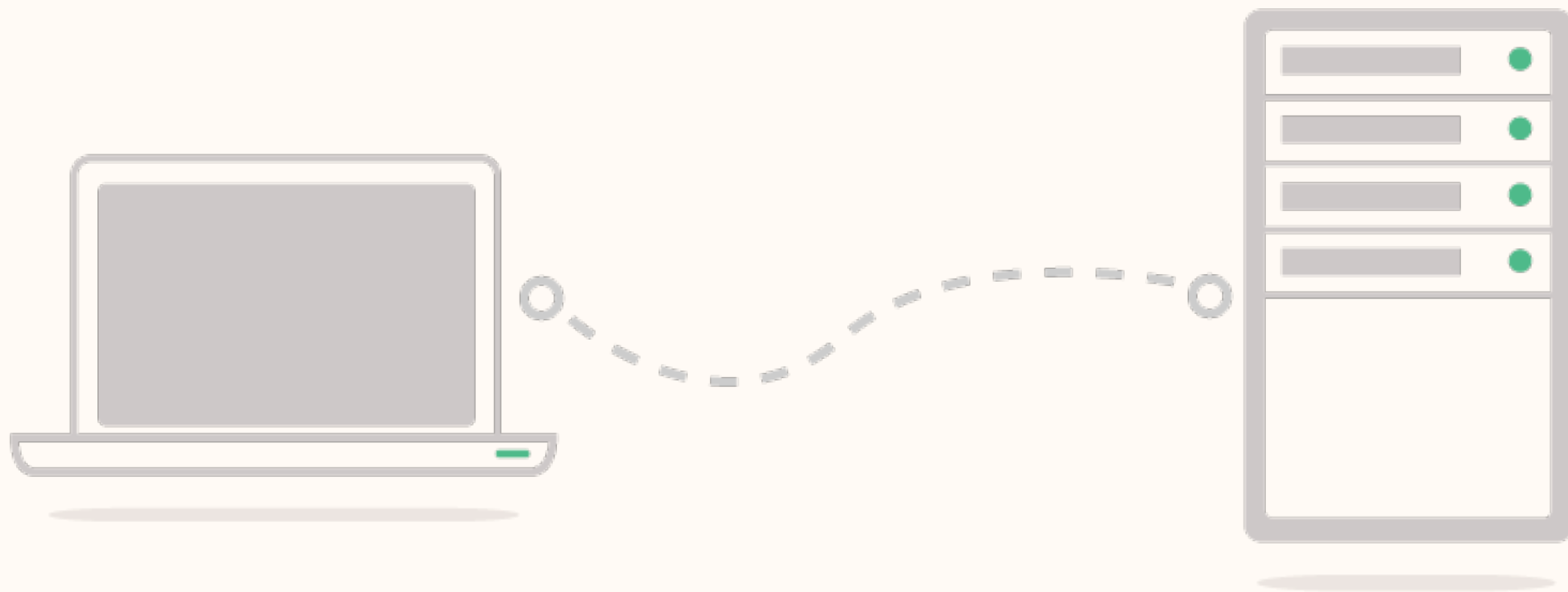




Server Rack

19-inch Rack / Standardised System

#Surfing the web means...
connecting to one of the servers.



#To open a website we use a domain

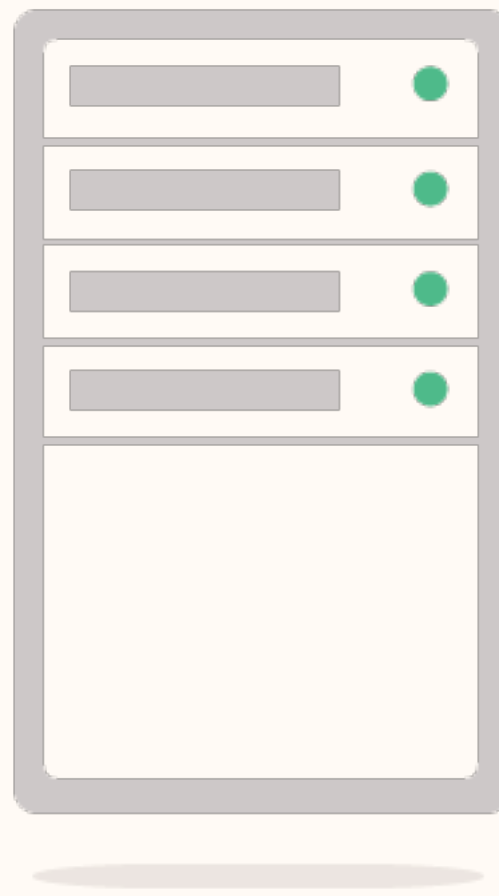
e.g. <http://google.com>

**But how does the browser know
which server to connect to?**

And which website to open?

#Root Name Server

Specific name server for a root zone of the internet (e.g. EU)



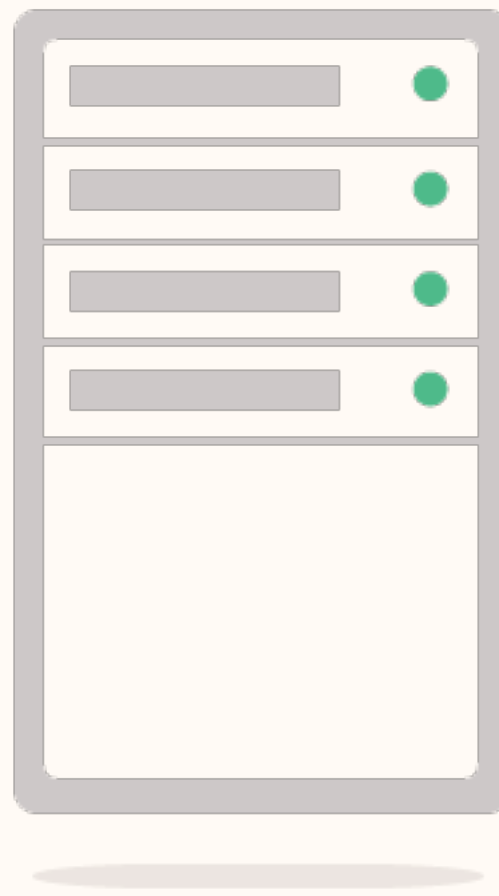
#Nameservers

Specific servers know which IP
belongs to which domain



#IP address

unique address every device on the internet has e.g. 172.16.254.1



#Terms

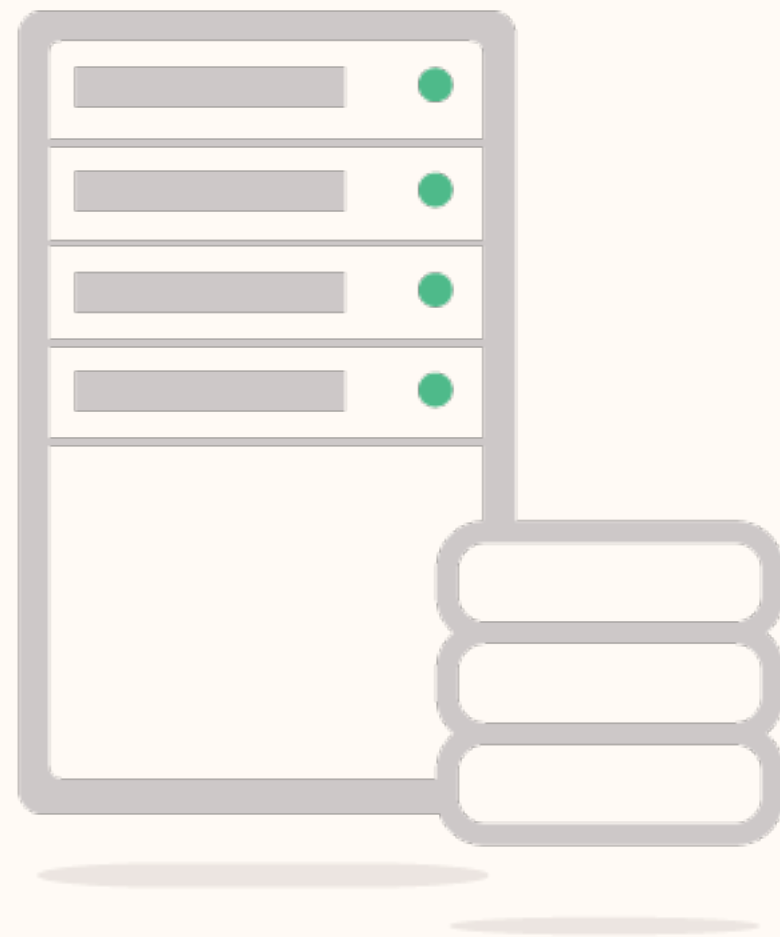
5 minutes to think of terms
you want to know about.

#Technologies.

The adaptive web.

#Backend

PHP, Ruby, .NET, SQL, etc.



#Frontend

HTML, DOM, CSS, JavaScript



#Homework: UX Research

- What is UX?
- What does a UX designer do?
- example of UX problem & solution.

#Presentations HTML & CSS

- explain what the language is & what it is used for
- give a short history of the invention and development of it
- provide code examples with an image or a live demo

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