

A photograph of the TU Delft campus under a blue sky with white clouds. In the foreground, there's a modern building with a grey facade and a red brick walkway. In the middle ground, a large green lawn with several trees and a paved path. In the background, a tall, modern glass building with a red vertical stripe and a clock tower is visible.

CSE1500

Web & Database Technology

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Code Issues 22 Pull requests 0 Actions Projects 0 Security

Branch: master Web-Teaching / README.md

chauff Update README.md

6 contributors

430 lines (330 sloc) | 34.5 KB

CSE1500: Web and Database Technology

build passing

The Web technology materials and resources of the 2019/20 Web and Database Tech listed here.

They were initially created for the 2018/19 edition of the course. Lectures with a 🚧 the 2019/20 edition and small changes are possible.

The database materials (lectures/assignments) are not included here! You can find them many code examples in the web technology lectures we opted to maintain the material

Table of Contents

- Course instructors
- Web technology course book
- Tooling
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- Web technology tutorials
- Sample exams

all available
right now;

linked to
from Brightspace

demo project

Exploding balloons

A two player word game

PLAY

World Wide Web vs. Internet

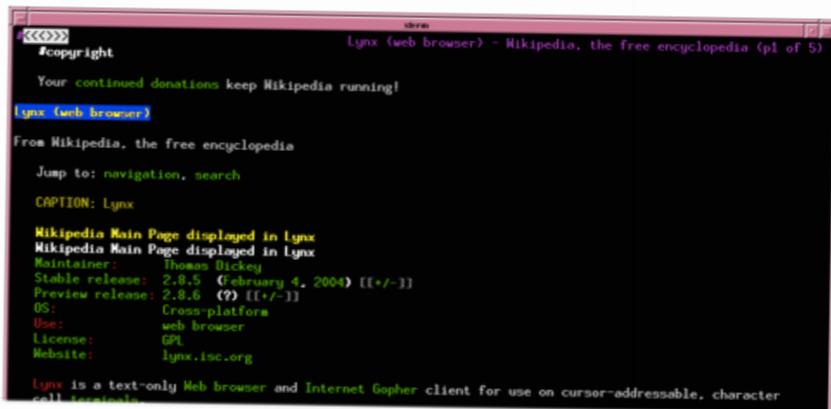
A brief history of the web

The vision of the World Wide Web was already developed in the 1940s by Vannevar Bush, an American engineer who described his idea of a *memex* (a combination of memory and index) in the article [As We May Think](#). The web can simply be described as a system of interconnected hypertext documents, available via the Internet.

In the 1960s, the first steps from vision to reality were made by DARPA, the Defense Advanced Research Projects Agency of the US department of defense. The so-called ARPANET was built for mail and file transfer and designed to withstand the loss of a portion of the network; as long as some connections remain, the remaining connected parties should still be able to communicate.

It took about 30 years before the Internet was opened to the public (in the late 1980s) and among the first non-military participants were universities and organizations such as [CERN](#), the European Organisation for Nuclear Research. In fact, at CERN, Tim Berners-Lee created the World Wide Web: he was the first to successfully implement client-server communication on the Internet via the hypertext transfer protocol (or HTTP). Tim Berners-Lee remains an important figure in the web community today, in fact, he is the [current director of the Word Wide Web Consortium](#).

In the early days of the web, browsers looked nothing like they do today; one of the earliest one was Lynx, a text-based browser. Here is an example of such a text-based browser, [Lynx](#), which you can still use today:



lecture transcripts

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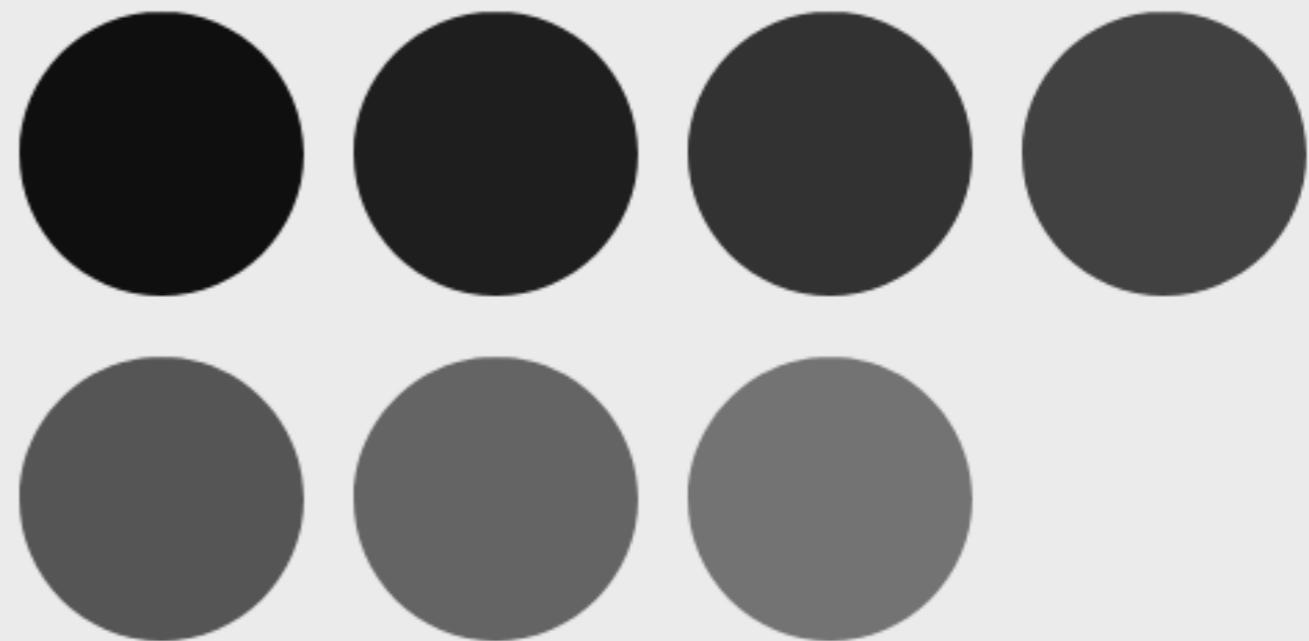
W

X

Y

Z

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If you are stuck, look at the example code!!



Learning Web App Development

BUILD QUICKLY WITH PROVEN JAVASCRIPT TECHNIQUES

Semmy Purewal

The Web course book covers the basics. The lectures go beyond it.





We focus on the basics.

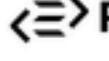
flickr@preppybyday



Out of scope!

flickr@kathryn-wright



 React / Redux  RealWorld example app Star 3.6k Fork 1.2k	 Angular  RealWorld example app Star 3.4k Fork 1.5k	 Node / Express  RealWorld example app Star 2.1k Fork 892	 Go + Gin  RealWorld example app Star 944 Fork 195
 Vue  RealWorld example app Star 2.4k Fork 649	 React / MobX  RealWorld example app Star 929 Fork 205	 Laravel  RealWorld example app Star 763 Fork 298	 Django  RealWorld example app Star 763 Fork 222
 PureScript + Halogen  RealWorld example app Star 407 Fork 36	 AngularJS  RealWorld example app Star 324 Fork 247	 NestJS + TypeORM  RealWorld example app Star 529 Fork 105	 Flask  RealWorld example app Star 456 Fork 120
 Angular + ngrx + nx  RealWorld example app Star 235 Fork 66	 Aurelia  RealWorld example app Star 170 Fork 20	 Rails  RealWorld example app Star 313 Fork 107	 Slim  RealWorld example app Star 312 Fork 78
 AppRun  RealWorld example app Star 75 Fork 19	 ClojureScript + Keechma  RealWorld example app Star 46 Fork 6	 Rust  RealWorld example app Star 222 Fork 19	 Rust / Rocket  RealWorld example app Star 203 Fork 14
 Stencil.js  RealWorld example app Star 32 Fork 3	 Dojo 2  RealWorld example app Star 21 Fork 4	 Clojure / Polylith  RealWorld example app Star 131 Fork 12	 Go Clean Architecture  RealWorld example app Star 128 Fork 20
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 Riot.js v3  RealWorld example apps		 CakePHP  RealWorld example app Star 82 Fork 18	 GCP Cloud Functions + Datastore  RealWorld example app Star 80 Fork 25



Email:

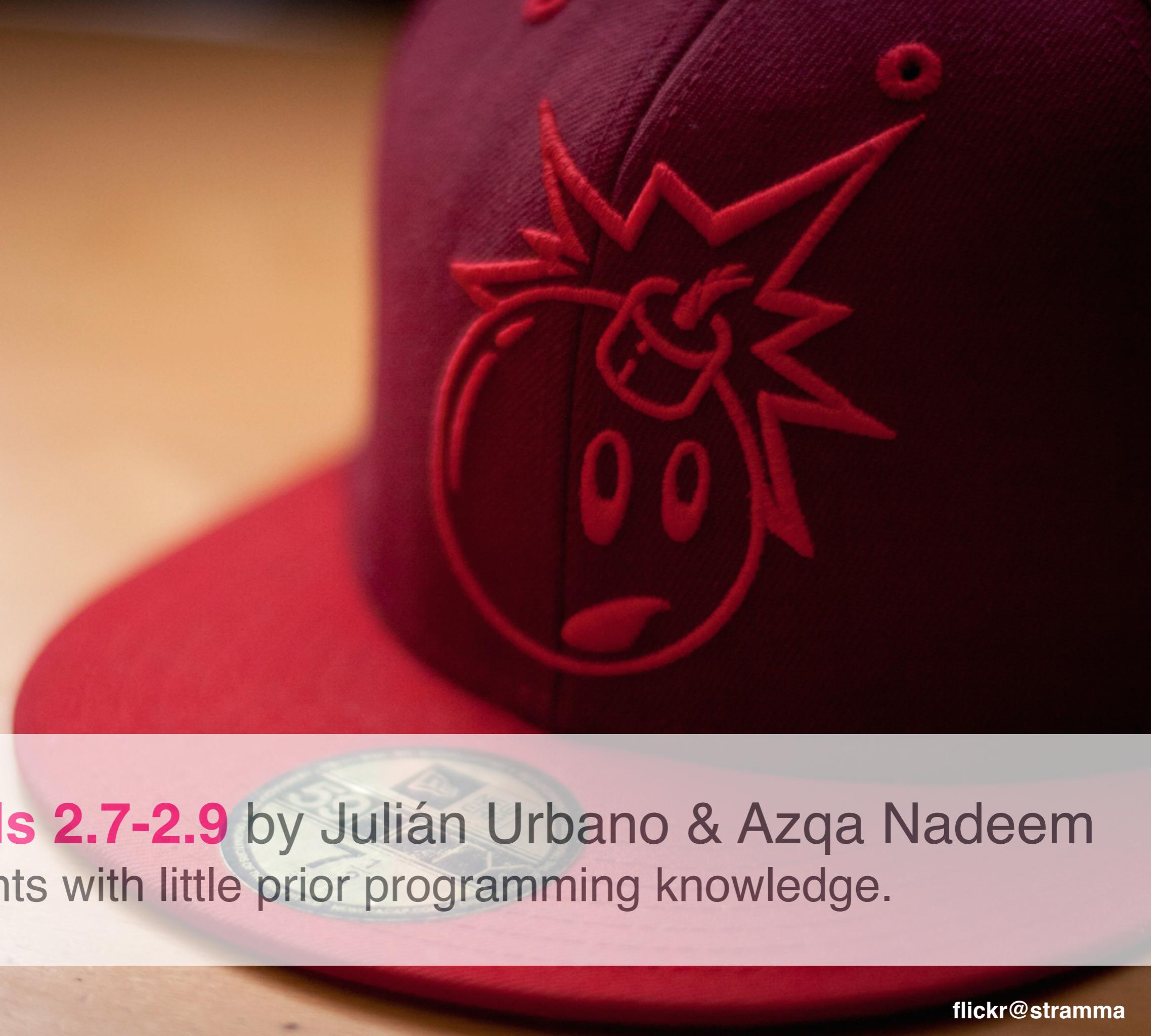
cse1500-ewi@tudelft.nl

Office hours:
(weeks 2.6-2.9)

Monday 14.00-15.00

Thursday 14.00-15.00

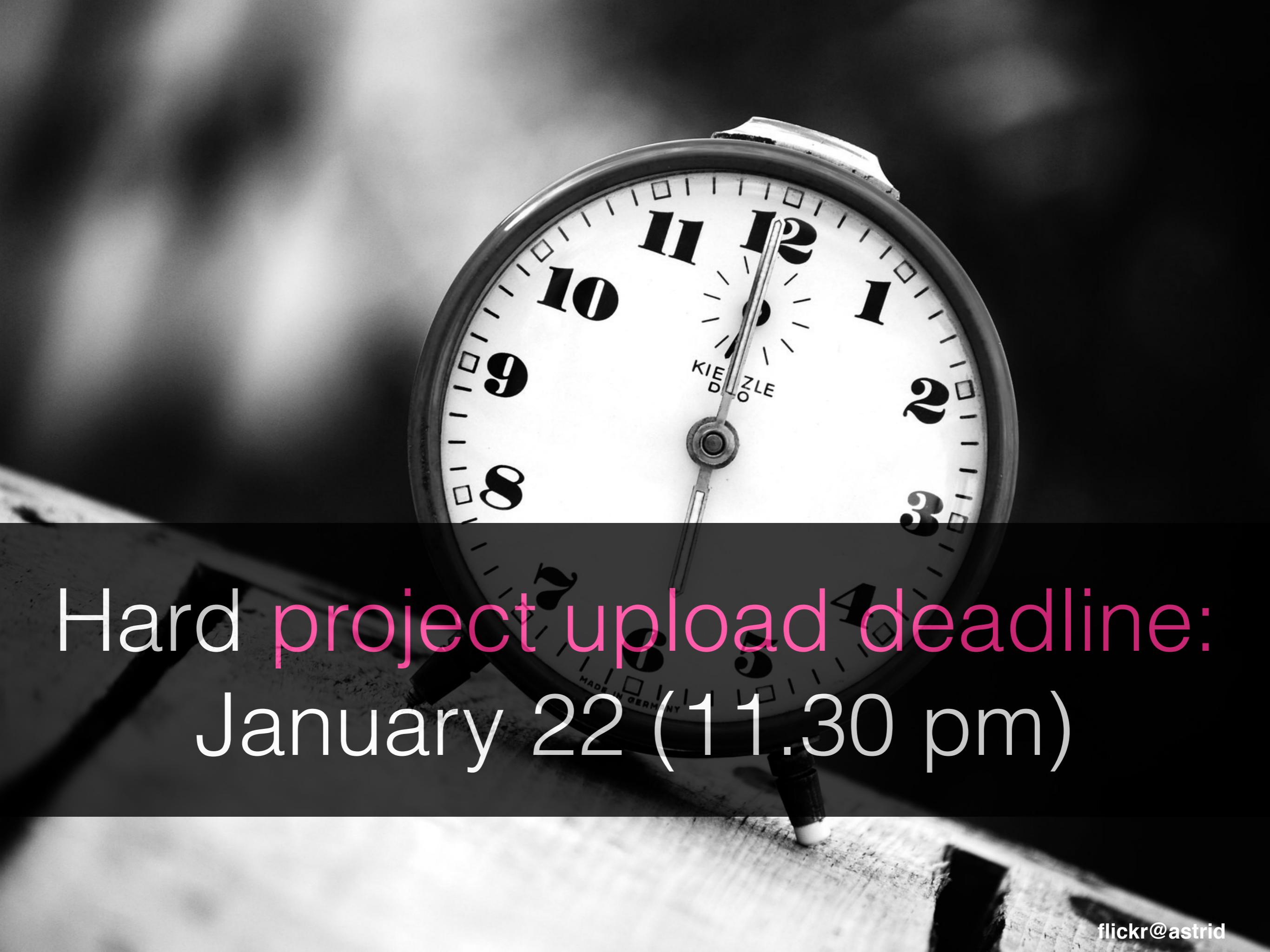
Depending on demand!



Tutorials 2.7-2.9 by Julián Urbano & Azqa Nadeem
for students with little prior programming knowledge.



3 Web assignments = 1 project
Implement a **classic board game!**



Hard project upload deadline:
January 22 (11.30 pm)



This is a technology course!

HTTP

HTML

JavaScript

Node.js

CSS

