



CSE1500

Web & Database Technology

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## 5 weeks: Web Technology

8 lectures

midterm

multiple choice

## 5 weeks: Database Technology

8 lectures

final

multiple choice

Midterm

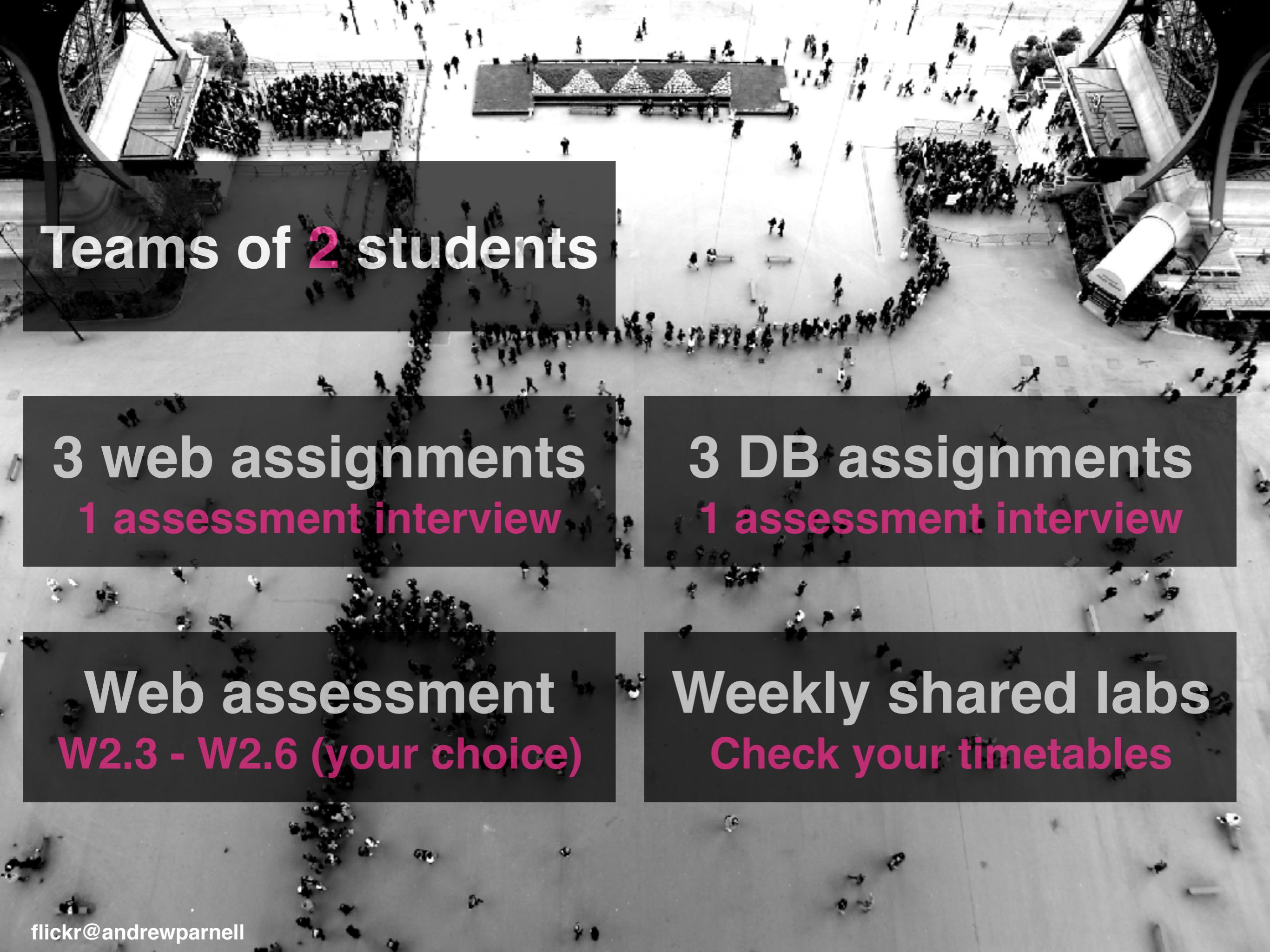
40%

Final

40%

To pass: overall  $\geq 5.8$  && midterm  $\geq 5$  && final  $\geq 5$

Labs 20%



**Teams of 2 students**

**3 web assignments**  
**1 assessment interview**

**3 DB assignments**  
**1 assessment interview**

**Web assessment**  
**W2.3 - W2.6 (your choice)**

**Weekly shared labs**  
**Check your timetables**



3 Web assignments = 1 project

Implement a **classic board game!**

The screenshot shows the GitHub repository page for 'Web-Teaching'. At the top, there are navigation links: 'Code', 'Issues 7', 'Pull requests 0', 'Projects 0', 'Wiki', and 'Insights'. Below these are sections for 'Branch: master', 'Web-Teaching / README.md', 'chauff format update', '2 contributors', and '318 lines (236 sloc) | 28 KB'. A red arrow points from the text 'add an issue if you encounter a problem' to the 'Issues' link.

add an issue if you encounter a problem

## CSE1500: Web and Database Technology

build passing

The Web technology materials and resources of the 2018/19 Web and Database Tech listed here.

The database materials are not included here!

### Table of Content

- Contact
- Web technology course book
- Tooling
  - Recommended
  - Required
- Course grading
- Course topics
- Sample exams
- Assignments
- Demo application
- Interactive web technology exercises
- Twitter accounts to follow
- Web development resources

all available right now;

linked to from Brightspace



### World Wide Web vs. Internet

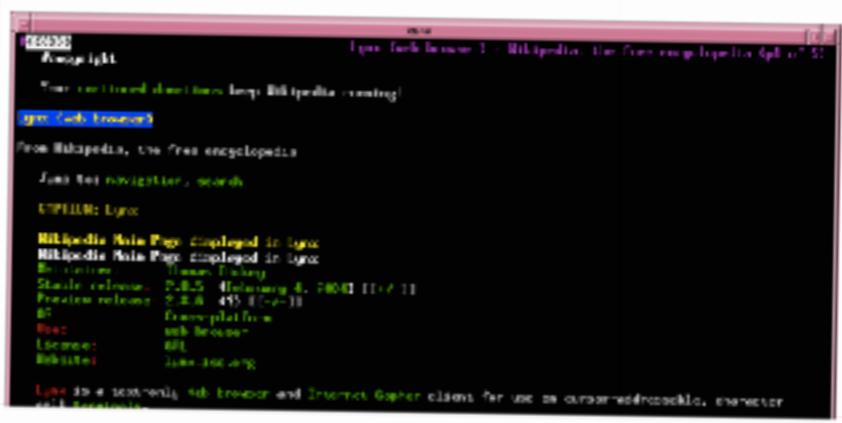
#### A brief history of the web

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](#), he described 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 World Wide Web Consortium.

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



demo project

lecture transcripts



For those knowing almost all of this already ... here is  
a challenge for you!

<https://itch.io/jam/game-off-2018>



# Learning Web App Development

BUILDING WEB APPLICATIONS WITH PHOENIX AND Elixir

Semmy Puroval

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





Email:  
(responsible instructors)

cse1500-ewi@tudelft.nl

Office hours:  
(web technology, weeks 2.1-2.5)

Monday 14.45-15.45  
Thursday 13.45-14.45

I need a deadline extension or exception.

→ Study advisor

I think something in a lecture transcript is wrong.

→ GitHub issue

I need help with an assignment.

→ Shared lab

I have a question about my grades.

I have an issue with my lab partner.

I want my web project to be something else.

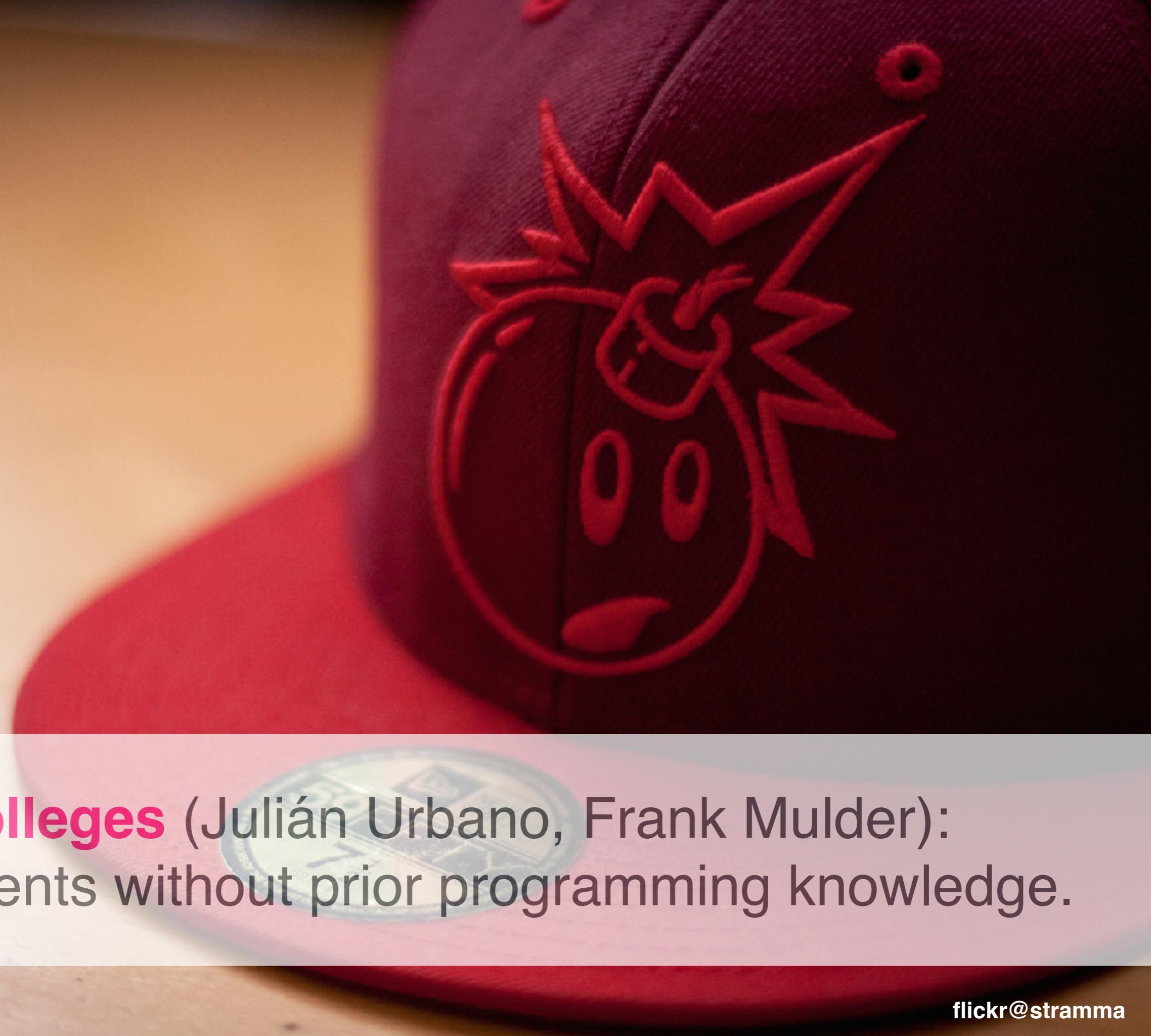
→ cse1500-ewi@tudelft.nl / office hour

I want to do the assignments alone.

→ Not possible!

I need to find a lab partner.

→ Brightspace discussion forum

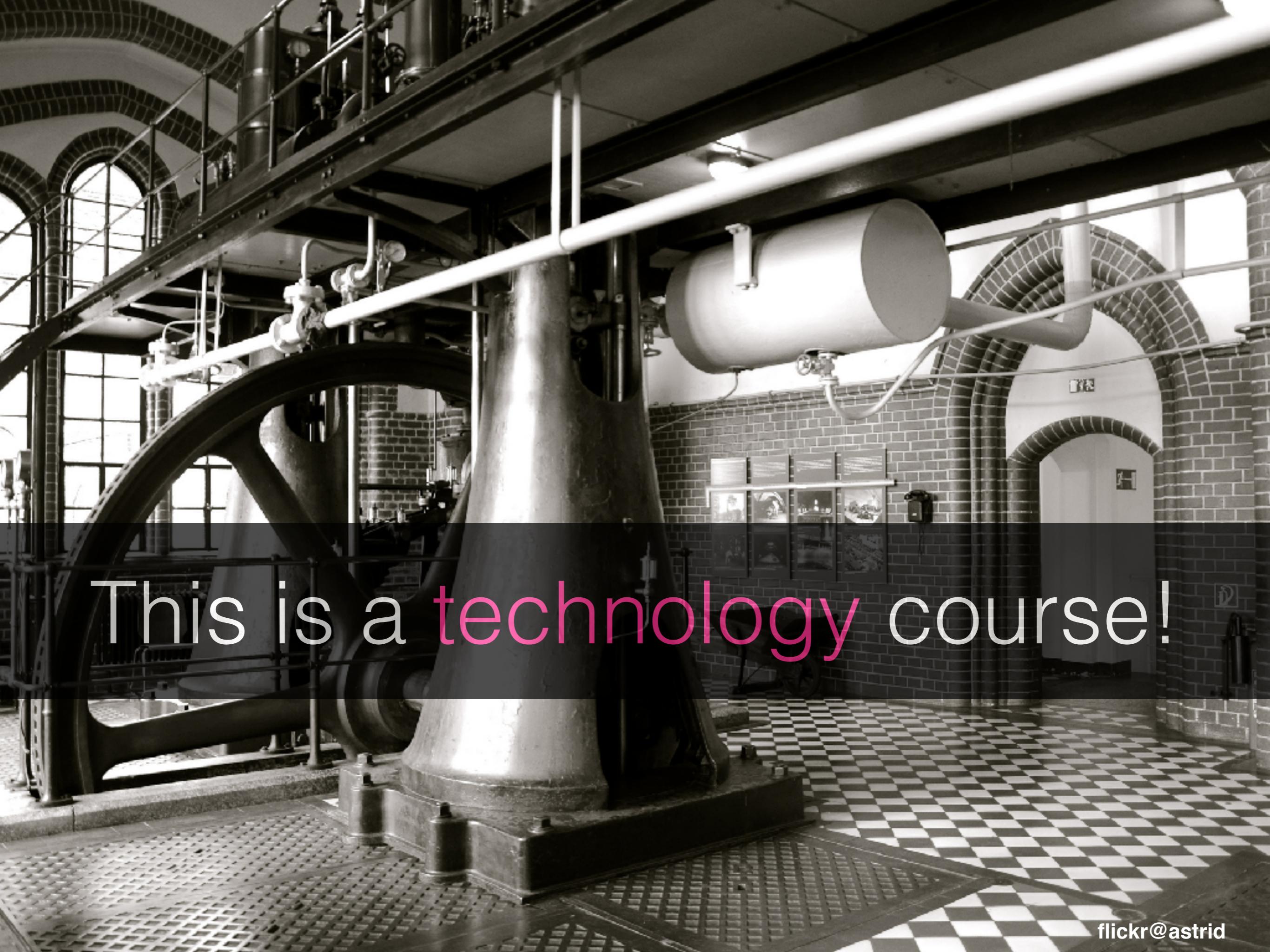


**Werkcolleges** (Julián Urbano, Frank Mulder):  
for students without prior programming knowledge.



IMPORTANT  
MESSAGE

We use **Brightspace**. We do not use CPM.



This is a technology course!



To Feedback

Web Images Videos News

About 50,900 results (0.05 seconds)

**Micky Ward - Wikipedia**[https://en.wikipedia.org/wiki/Micky\\_Ward](https://en.wikipedia.org/wiki/Micky_Ward)

George Michael "Micky" Ward Jr. (born October 4, 1965), often known by his nickname of "Irish" Micky Ward, is an American former professional boxer who competed from ...  
0 0 0

**Micky Ward's Official Website - Junior welterweight ...**[officialmickyward.com](http://officialmickyward.com)

Micky Ward's official website. Click to enter and find out about the latest news, watch videos, view Micky's fight record and check out the online store.

0 0 0**The Fighter (2010) - IMDb**[www.imdb.com/title/tt0964517](http://www.imdb.com/title/tt0964517)

Directed by David O. Russell. With Mark Wahlberg, Christian Bale, Amy Adams, Melissa Leo. A look at the early years of boxer "Irish" Micky Ward and his brother who

10 2 3 6:22:48 PM

A

**The Fighter True Story - Real Micky Ward, Dickie Eklund ...**[www.chasingthefrog.com/reelfaces/thefighter.php](http://www.chasingthefrog.com/reelfaces/thefighter.php)

Discover The Fighter true story behind the movie. Meet the real Micky Ward, boxer Dickie Eklund, Charlene Fleming and mother Alice Ward from the film.

0 0 0**Amazon.com: Irish Thunder: The Hard Life & Times of Mic...**[https://www.amazon.com/Irish-Thunder-Hard-Times-Micky/dp/B0064XBFC0](http://www.amazon.com/Irish-Thunder-Hard-Times-Micky/dp/B0064XBFC0)

Irish Thunder: The Hard Life and Times of Micky Ward is a great biography of the blue collar boxer from Lowell, MA. Bob Halloran does an excellent job chronicling ...

0 0 0**Micky Ward - Topic - YouTube**<https://www.youtube.com/channel/UC2Dz00Ox0octaJpWfEMkg>

George Michael "Micky" Ward Jr., often known by his nickname of "Irish" Micky Ward, is an American former professional boxer who competed from 1985 to 2003. ...

0 0 0**Tragic end to ring rivalry: 'Irish' Micky Ward mourns ...**[https://www.irishcentral.com/tragic-end-to-ring-rivalry-irish...](http://www.irishcentral.com/tragic-end-to-ring-rivalry-irish...)

Tom Deignan: After boxing legend Arturo Gatti was found dead in a Brazilian hotel room last week, his ring rival and friend "Irish" Micky Ward said that part of ...

0 0 0

B

**QUERY HISTORY**

- 7:01:04 PM Bob marley death
- 6:44:21 PM Irish Micky Ward
- 6:34:24 PM album released may 1984
- 6:33:56 PM [album released 1984](#)
- 6:33:16 PM Bob marley death

C

**BOOKMARKS**

- ★ Legend (Bob Marley and the Wailers ...) [https://en.wikipedia.org/wiki/Legend\\_\(Bob\\_Marley\\_and\\_the\\_Wailers\)](https://en.wikipedia.org/wiki/Legend_(Bob_Marley_and_the_Wailers))
- ☆ The Fighter (2010) - IMDb <http://www.imdb.com/title/tt0964517/>
- ☆ Mark Wahlberg Tattoo Removed | Ma... <http://www.thefriskys.com/wp-content/uploads/2013/07/mark-wahlberg-tattoo-removed.jpg>
- ☆ Bob Marley - Wikipedia [https://en.wikipedia.org/wiki/Bob\\_Marley](https://en.wikipedia.org/wiki/Bob_Marley)

D

fighter!

15:35 **Micah:** Mark Wahlberg was the actor

15:36 **Micah:** It's a photo of bob marley!

15:37 **Riley:** Bob marley's death was in May 1981 right?

15:37 **Riley:** so we should be looking for an album released in May 1984

15:39 **Riley:** it's the album called "legend"!

*Micah has stopped typing*

**Message**

**Puzzle 1**

What album was released three years after the death of the artist that's tattooed on the upper left arm of the actor who played "Irish" Micky Ward in a 2010 film?

# SearchX: a collaborative search engine

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Now you can choose your course and you're on your way.

66

0:48 / 2:20

Speed 0.75x

HD

CC

IntelliEye: attention-tracking through the webcam