

Backend Development

WebDevWeeks – ScottyLabs – Andrew Benson

If you haven't set up your laptop, do it NOW

<http://scottylabs.org/webdevweeks/backend/>

We are ScottyLabs

- We help people make their dream projects come to life.
- Also, TartanHacks – that's us.
- <http://www.scottylabs.org>



Web Dev Weeks

- September 4
 - [Frontend](#), 8:00pm - 10:00pm, WEH 5202 (Windows Cluster)
 - [Backend](#), 7:30pm - 9:30pm, PH 125B
- September 5
 - [HTML/CSS](#), 5:30pm - 7:30pm, WEH 5201 (Mac Cluster)
- September 6
 - No sessions
- September 7
 - [Design](#), 2:30pm - 4:30pm, WEH 5421
- September 8
 - No sessions
- September 9
 - [Backend](#), 7:30pm - 9:30pm, WEH 5201 (Mac Cluster)
- September 10
 - [Design](#), 8:30pm 10:30pm, PH 126A
- September 11
 - [HTML/CSS](#), 5:30pm - 7:30pm, CFA 317
- September 12
 - [Frontend](#), TBA
- September 13
 - [Deployment](#), TBA
- September 15
 - [Deployment](#), TBA

Startup Tour

- Meet Pittsburgh startups. For free.
- First one: September 19, application deadline: September 10
- Alphalab, Blue Belt Technologies, Project Olympus

Hack+

- Semester long hackathon
- Awesome mentors
- Hackplus.acmatchmu.org

Like us on Facebook



Webpages are just files

- HTML = content

`<!DOCTYPE html>...`

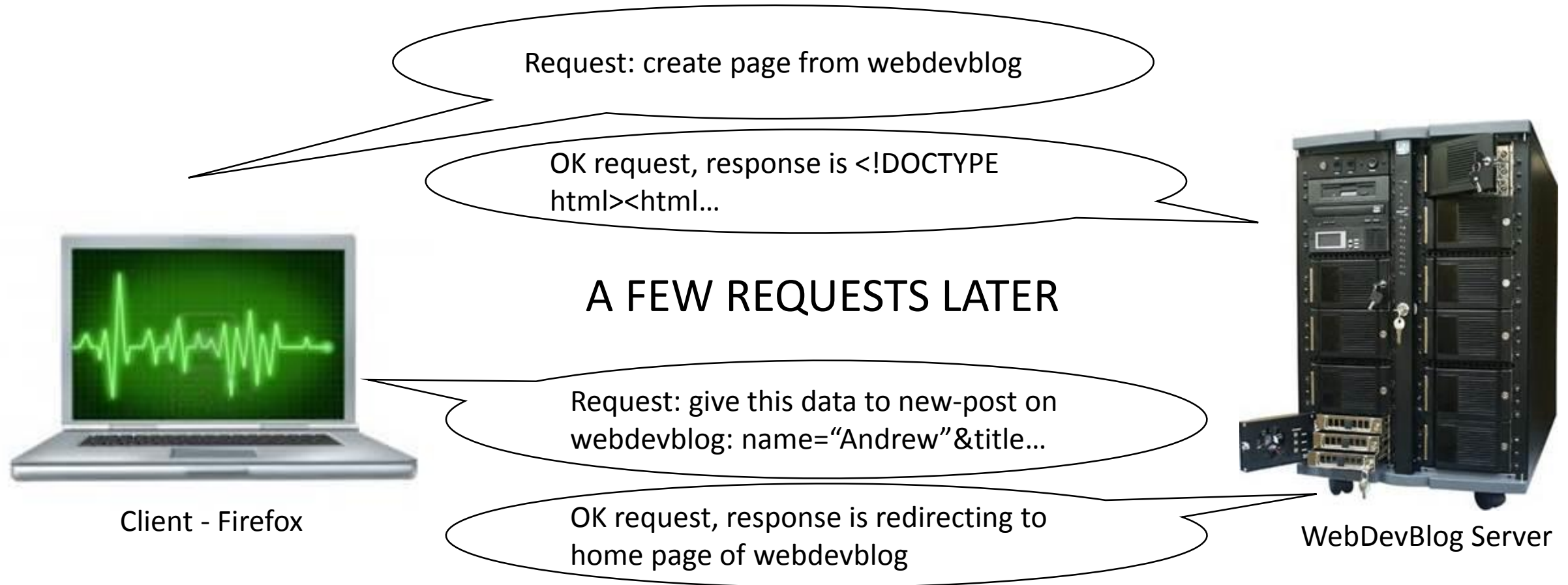
- CSS = styling and looks

`body { background:...`

- JavaScript = interactivity

`document.onload(function(){...`

Webpage files are requested from servers



Webpage files are requested over HTTP

GET /create HTTP/1.1
Host: webdevblog.herokuapp.com...

HTTP/1.1 200 OK...
<!DOCTYPE html><html...

A FEW REQUESTS LATER

POST /newpost HTTP/1.1
Host: webdevblog.herokuapp.com...
name="Andrew"&title...

HTTP/1.1 302 FOUND...



Client - Firefox



WebDevBlog Server

GET vs POST

- GET is used when clients request that the server sends them data
- POST is used when clients request that the server takes their data
- HEAD
- PATCH
- DELETE

Start Lab

- <https://docs.google.com/document/d/1dUa36KFGPPwruOIOxDfKkVyqf5ZboZ0AiHdyNYniFWA/edit>
- <http://goo.gl/8eEqYc>