

blomoe

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blo.moe

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what is blomoe?

- blo.moe is an independently-run website for users to shorten long URLs
- named after Jim

features

- Hosted on Digital Ocean
- MySQL Backend
- Dynamically scaling CSS
- Integration with Google Analytics

self hosting

- Digital Ocean - Free (\$100) for students!
- GoDaddy Domain (.moe)
- Apache is hard...
- packages + venv integration
- Included MySQL issues
- Basically made me a sys-admin

self hosting

- Digital Ocean Free (\$100) for students!
- GoDaddy
- Apache
- pack
- Inclu
- Basically made me a sys-admin

WE TOOK THE HOSTAGES,
SECURED THE BUILDING, AND
CUT THE COMMUNICATION
LINES LIKE YOU SAID.



EXCELLENT.

BUT THEN THIS GUY CLIMBED UP
THE VENTILATION DUCTS AND WALKED
ACROSS BROKEN GLASS, KILLING
ANYONE WE SENT TO STOP HIM.



AND HE RESCUED
THE HOSTAGES?

NO, HE IGNORED THEM.
HE JUST RECONNECTED
THE CABLES WE CUT,
MUTTERING SOMETHING
ABOUT "UPTIME".



SHIT, WE'RE
DEALING WITH
A SYSADMIN.

mysql database

- Handled basic stats
 - Top 3 sites bloomed
 - Top 3 most accessed bloomed
 - Total number of links bloomed
- Allowed for multithreaded access
- Gave our site the ability to scale (to a point)

frontend development

- No bootstrap
- Rendering CSS and Javascript
 - pj1 home page: linked relative to main url (/server)
 - pj1 error page: /server/short
 - base URL: blo.moe
- Javascript validations: regex, char limit
- Integrating data from database to webpage

google analytics

- Opted for Google Analytics for in-house data analytics
- provides dashboards and views that help us see user activity
- ex: can make decisions based on where users are accessing (web, mobile, etc.)
- blo.moe/ga

future work

- Add custom reporting and analytic tools
- Mobile optimization
- User accounts integration

demo