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

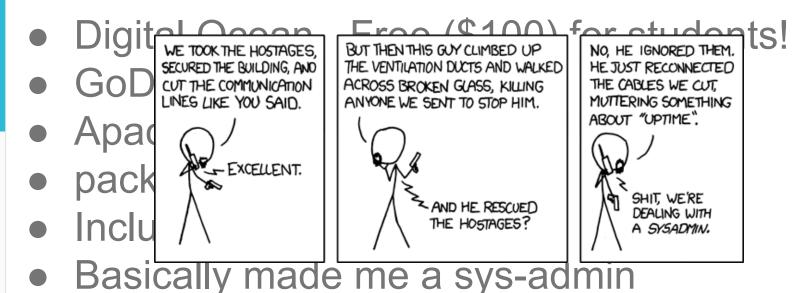
features

- 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



mysql database

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

frontend development

- No bootstrap
- Rendering CSS and Javascript
 - o pj1 home page: linked relative to main url (/server)
 - o 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