

Data Engineering

Blake Vente

Constraints

- free hosting

Constraints

- free hosting
- no fine print

Constraints

- free hosting
- no fine print
- familiar

Constraints

- free hosting
- no fine print
- familiar
- easy to maintain

Constraints

- free hosting
- no fine print
- familiar
- easy to maintain
- mobile friendly

Constraints

- free hosting
- no fine print
- familiar
- easy to maintain
- mobile friendly
- Screen-Reader Friendly (accessibility)

Github-centered Workflow

- GitHub Pages

GitHub Markdown

Github-centered Workflow

- GitHub Pages
- GitHub Markdown

GitHub Markdown

Github-centered Workflow

- GitHub Pages
- GitHub Markdown
- Open Source

GitHub Markdown

Github-centered Workflow

- GitHub Pages
- GitHub Markdown
- Open Source

GitHub Markdown

- superset of HTML

Github-centered Workflow

- GitHub Pages
- GitHub Markdown
- Open Source

GitHub Markdown

- superset of HTML
- reduces our maintenance complexity

- Losslessly convert between HTML and Markdown using Pandoc

- `_posts/labs/` stores the labs

- `_posts/labs/` stores the labs
- `_posts/readings/` stores the readings

- `_posts/labs/` stores the labs
- `_posts/readings/` stores the readings
- etc...

- `_posts/labs/` stores the labs
- `_posts/readings/` stores the readings
- etc...
- Push to master...

- `_posts/labs/` stores the labs
- `_posts/readings/` stores the readings
- etc...
- Push to master...
- Everything autopopulates in 5 minutes or less.

- Adding a Lab¹

¹<https://github.com/Hunter-Open-Source-Club/CSCI-135-Site>

Dependencies

- Install ruby, ruby-bundler, and nodejs. on Ubuntu `sudo apt install ruby-dev ruby-bundler nodejs`. On Arch, `sudo pacman -S ruby ruby-bundler nodejs`.

Local Deployment

Then, initialize the local development environment using

Dependencies

- Install ruby, ruby-bundler, and nodejs. on Ubuntu `sudo apt install ruby-dev ruby-bundler nodejs`. On Arch, `sudo pacman -S ruby ruby-bundler nodejs`.

Local Deployment

Then, initialize the local development environment using

- `bundle clean (no --force)`

Dependencies

- Install ruby, ruby-bundler, and nodejs. on Ubuntu `sudo apt install ruby-dev ruby-bundler nodejs`. On Arch, `sudo pacman -S ruby ruby-bundler nodejs`.

Local Deployment

Then, initialize the local development environment using

- `bundle clean (no --force)`
- `bundle install`

Dependencies

- Install ruby, ruby-bundler, and nodejs. on Ubuntu `sudo apt install ruby-dev ruby-bundler nodejs`. On Arch, `sudo pacman -S ruby ruby-bundler nodejs`.

Local Deployment

Then, initialize the local development environment using

- `bundle clean (no --force)`
- `bundle install`
- `bundle exec jekyll serve`

Dependencies

- Install ruby, ruby-bundler, and nodejs. on Ubuntu `sudo apt install ruby-dev ruby-bundler nodejs`. On Arch, `sudo pacman -S ruby ruby-bundler nodejs`.

Local Deployment

Then, initialize the local development environment using

- `bundle clean (no --force)`
- `bundle install`
- `bundle exec jekyll serve`
- Visit `localhost:4000` to see the site on your local server. Kill the server using `CTRL+C` in the appropriate terminal.

- Setting up a Jekyll site with GitHub Pages²

²<https://jekyllrb.com/docs/github-pages/>