

Intro to CS Course Website CSCI 127

rvante

2019-10-17

Constraints

- free hosting

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- no fine print

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- familiar

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- mobile friendly
- Screen-Reader Friendly (accessibility)

Github-centered Workflow

- GitHub Pages

GitHub Markdown

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- GitHub Pages
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- Open Source

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GitHub Markdown

- superset of HTML

Github-centered Workflow

- GitHub Pages
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- Open Source

GitHub Markdown

- superset of HTML
- reduces our maintenance complexity

- Losslessly convert between HTML and Markdown using Pandoc

- `_posts/labs/` stores the labs

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- `_posts/readings/` stores the readings

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- `etc...`

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- Push to master...

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- etc...
- Push to master...
- Everything autopopulates in 5 minutes or less.

- Adding a Lab¹

¹<https://github.com/Hunter-Open-Source-Club/CSCI-127-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

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- `bundle clean (no --force)`

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- `bundle install`

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Local Deployment

Then, initialize the local development environment using

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

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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/>

³<https://github.com/jekyll/github-metadata/blob/master/docs/configuration.md#configuration>

- Setting up a Jekyll site with GitHub Pages²
- Configuring GitHub Metadata³ to work properly when developing locally and avoid No GitHub API authentication could be found. Some fields may be missing or have incorrect data. warnings.

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

³<https://github.com/jekyll/github-metadata/blob/master/docs/configuration.md#configuration>