



# **Danger System Implementation**

Junan - Thanh - Noor - Rafayet

Growth Session #30 - August 21 2020

# Implement Danger System Nimble Rails Template and In Braive

Making code review easier for Braive and as well as future RoR projects those will be created by Nimble Rails template

# What is Danger?

- Danger is a tool that helps automate common code review chores
- It allows you to set a handful of specified guidelines that every pull request has to follow before getting approved.
- Danger is a powerful tool so you can even create your own custom rules, using the Ruby scripting language

# What is Danger?



- Setup Danger in Nimble Rails Template replacing Pronto
  - Setup Danger in Braive

#### The Reason

- Pronto was selected because of Bitbucket support.
- Support broke last year.
- We migrated to github.
- Better option is Danger that is more powerful and more customizable

#### The Reason

```
# Warn when there is a big PR
if git.lines_of_code > 500

warn("Big PR")

end

# Mainly to encourage writing up some reasoning about the PR, rather than

# just leaving a title

if github.pr_body.length < 5

fail "Please provide a summary in the Pull Request description"

end</pre>
```

#### **Remove Pronto References**

- .gitignore.rb
- .pronto.yml.tt
- .semaphore.yml
- .template/spec/base/template\_spec.rb
- .template/spec/variants/web/gemfile\_spec.rb
- .template/spec/variants/web/template\_spec.rb

- .template/variants/web/.pronto\_eslint\_npm.yml
- .template/variants/web/Gemfile.rb
- .template/variants/web/template.rb
- Gemfile.tt
- README.md.tt
- template.rb

## **Danger Gems**



```
gem 'danger' # Automated code review.
gem 'danger-eslint' # ESLint
gem 'danger-rubocop' # A Danger plugin for Rubocop.
gem 'danger-rails_best_practices' # Analyze code regarding best practices.
gem 'danger-reek' # Detect code smell.
gem 'danger-brakeman_scanner' # Security static analysis scanner in danger.
gem 'danger-suggester' # Suggest code changes based on configured code formatter.
```

## The Dangerfile

```
# Runs rails_best_practices on modified and added files in the PR
rails_best_practices.lint
# Runs Rubocop and submit comments on modified and added files
rubocop.lint(inline_comment: true, force_exclusion: true)
# Runs Brakeman on modified and added files
brakeman.run
# Runs Reek on modified and added files
reek.lint
# Suggests code changes in the PR
suggester.suggest
# Runs ESLint on modified and added files in the PR
eslint.lint
```

## The Danger Bot



- There must be a bot account that can comment on behalf of Danger
- Bot accounts are just regular accounts
- Need to generate a PAT (Personal Access Token)
- Add the PAT as secret environmental variable

#### Project specific Environment Variables

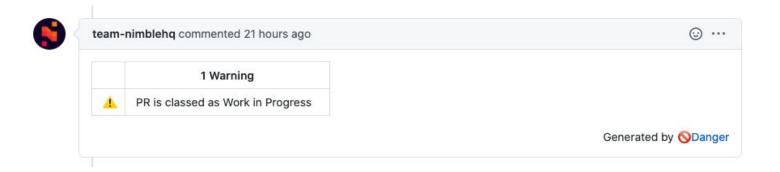
+ Add

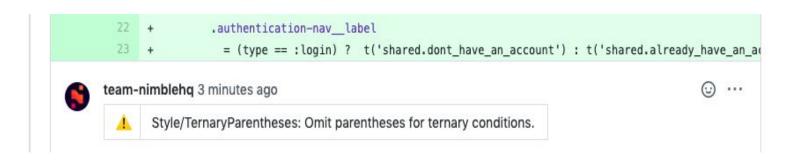
DANGER\_GITHUB\_API\_TOKEN : encrypted, MD5: ef3c5ce30f82e2a3797dbc290ff2a527

Delete

# **Braive Implementation**

# **Braive Implementation**





# Conclusion

Danger makes code review process easier

Let the bot do some work.

# Thanks!

#### **Contact Nimble**

nimblehq.co hello@nimblehq.co

#### Bangkok

399 Interchange 21 Sukhumvit Road, Unit #2402-03, Klong Toei, Wattana, Bangkok 10110, Thailand

#### Singapore

28C Stanley St, Singapore 068737

#### **Hong Kong**

20th Floor, Central Tower28 Queen's Road, Central, Hong Kong

