Project Structure

Campaign Setup

Configuration all components
per campaign
notification thresholds
enable / disable features,
locations of components per
campaign (with sensible
conventions, formats, etc.

Marks

Direct

Assets

/app/assets/stylesheets/campaign
/app/assets/javascripts/campaign

Emit Campaign
/Notification

Mailers

.app/mailers/campaign/<mailer>
(e.g. phishcampaign.rb)

Abstracted

/app/assets/images | /app/assets/files
• /email/campaign
• /web /campaign

.app/views/phishemail/campaign

./public/assets/
• /web/campaign
• /email/campaign

Realtime

Views

Helpers
.app/helpers/campaign/<helper>
(e.g. phishcampaign_helper.rb)

Events

layouts

Controllers

.app/controllers/campaign
controller.rb

Mail Hook:
• ./app/views/layouts/campaign.html.erb
• ./app/views/layouts/campaign.text.erb
• ./app/views/layouts/campaign.mjml
Awareness Mail Notification:
./app/views/postnotification/campaign
Web Hook:
./app/views/controller

Direct

**CSV seed, rake
tasks**

Advanced

**Active Seed
/db/active_seed/data/campaign**

Routes

**Reporting rake
tasks**

Database

**Schedule
Jobs**

Consume Actions

Marks

```
├─── app
│    ├─── assets
│    │    ├─── images
│    │    │    ├─── emails                       # setup for mail
│    │    │    │    └─── campaign_tr             # per campaign images
│    │    │    │         ├─── logo1.png
│    │    │    │         └─── logo2.png
│    │    │    ├─── web                          # setup for web intake
│    │    │    │    └─── campaign_tr             # per campaign images
│    │    │    │         └─── wstlogo.png
│    │    ├─── javascripts
│    │    │    ├─── application.js
│    │    │    └─── campaign_tr                  # per campaign JS
│    │    │         └─── trnotifications.js
│    │    └─── stylesheets                       # per campaign styles
│    │         ├─── application.css.scss
│    │         ├─── campaign_tr
│    │         │    └─── trnotifications.css.scss.erb
│    │         └─── email.css.scss               # style for email (html). mjml is not
governed by theis
│    ├─── controllers
│    │    ├─── application_controller.rb
│    │    ├─── concerns
│    │    └─── trnotifications_controller.rb     # campaign controller
│    ├─── helpers
│    │    ├─── application_helper.rb
│    │    └─── campaign_tr
│    │         └─── phishcampaign_helper.rb      # phish mailer helper per campaign
│    ├─── jobs
│    │    └─── campaing_tr                       # per campaign notification jobs
│    │         ├─── delayed_notification_job.rb
│    │         └─── realtime_notification_job.rb
│    ├─── mailers
│    │    └─── campaign_tr                       # per campaign mailers
│    │         └─── phishcampaign.rb
│    ├─── models                                 # models
│    │    ├─── concerns
│    │    ├─── mark.rb
│    │    ├─── stat.rb
│    │    └─── visit.rb
```

```
|       └─── views
|       ├─── layouts
|       |    ├─── application.html.erb
|       |    └─── campaign_tr.html.erb              # per campaign layout (web)
|       ├─── phishemail                             # per campaign content (email:phish)
|       |    └─── campaign_tr
|       |    ├─── content.html.erb
|       |    ├─── content.mjml
|       |    └─── content.text.erb
|       ├─── postnotification
|       |    └─── campaign_tr                       # per campaign content
(email:notification)
|       |    ├─── content.html.erb
|       |    └─── content.text.erb
|       └─── trnotifications                        # per campaign controller views for
web
|            ├─── _disclaimer.html.erb
|            ├─── enotify.html.erb
|            ├─── index.html.erb
|            ├─── show.html.erb
|            ├─── status_fail_logon.html.erb
|            ├─── status_locked_submissions.html.erb
|            ├─── status_locked_visits.html.erb
|            └─── status_thank_you.html.erb
├─── bin
|    ├─── bundle
|    ├─── rails
|    ├─── rake
|    └─── spring
├─── config
|    ├─── application.rb
|    ├─── boot.rb
|    ├─── configatron                               # Configuration per campaign
|    |    ├─── defaults.rb
|    |    ├─── development.rb
|    |    └─── production.rb
|    ├─── cronotab.rb                               # Scheduled tasks (cron)
|    ├─── database.yml
|    ├─── environment.rb
|    ├─── environments
```

```
|   |   ├──── development.rb
|   |   ├──── production.rb
|   |   └──── test.rb
|   ├──── initializers
|   |   ├──── assets.rb
|   |   ├──── backtrace_silencers.rb
|   |   ├──── configatron.rb
|   |   ├──── cookies_serializer.rb
|   |   ├──── filter_parameter_logging.rb
|   |   ├──── inflections.rb
|   |   ├──── log_formatter.rb
|   |   ├──── mime_types.rb
|   |   ├──── premailer_rails.rb
|   |   ├──── session_store.rb
|   |   ├──── sidekiq.rb
|   |   └──── wrap_parameters.rb
|   ├──── locales
|   |   └──── en.yml
|   ├──── routes.rb                          # per campaign routes
|   └──── secrets.yml
├──── config.ru
├──── customlog.log
├──── data
|   └──── marks.csv                          # CSV mark importer (direct)
├──── db
|   ├──── active_seed
|   |   ├──── data
|   |   |   └──── tr_campaign                # per campaign CSV importer
(advanced)
|   |   |       └──── marks.csv
|   |   ├──── development.yml
|   |   └──── production.yml
|   ├──── production.sqlite3
|   ├──── schema.rb
|   └──── seeds.rb
├──── Gemfile
├──── lib
|   ├──── assets
|   └──── tasks                              # useful and common tasks
|       ├──── manage_marks.rake
```

```
|       ├──── read_qs.rb
|       └──── run_phish.rake
├──── log
|   ├──── development.log
|   └──── production.log                              # logs
├──── ops
|   ├──── read_qs.rb
|   └──── reset_data.sh
├──── public
|   ├──── 404.html
|   ├──── 422.html
|   ├──── 500.html
|   ├──── assets
|   |   ├────<dynamic precompiled>
|   |   ├──── emails
|   |   |   └──── campaign_tr
|   |   |       ├──── <dynamic precompiled>
|   |   |       └────<dynamic precompiled>
|   |   └──── web
|   |       └──── campaign_tr
|   |           └──── <dynamic precompiled>
|   ├──── favicon.ico
|   └──── robots.txt
├──── Rakefile
├──── README.rdoc
├──── tmp
└──── vendor
    └──── assets
        ├──── javascripts
        └──── stylesheets
```