Headers & Footers

- OpenTransitTools has a Headers & Footers module. The idea being that the Header & Footer (html) should reside separately from underlying application. The goal being that the header & footer is written one-time, rather than copied and pasted into each web app.
- The need grew out of having multiple web apps—sometimes written in a different language and/or using a different template engine—requiring a uniform page header & footer.
- Rather than re-implement the header & footer across multiple apps, the header & footer is packaged separately and reused. Write once, single version of the truth...

Headers & Footers – Pyramid App

view_header_footer.git

view.git

Scenario #1

Via setup.py, *view_header_footer.git* is a dependency of the *view.git* project. We run Pyramid via the *view.git* project, and inherit the header & footer mako templates and logic via dependency.

Scenario #2

Extending things a step further, we can override the *view_header_footer.gi*t templates with a totally different look and feel, via a 2nd set of templates that are customized to an agency. We still get a lot of value out of the original *OTT* app, and only override a sub-set of templates to change the look & feel. In this scenario, trimet_view.git is the project where Pyramid is run. See Stops

view_header_footer.git

view.git

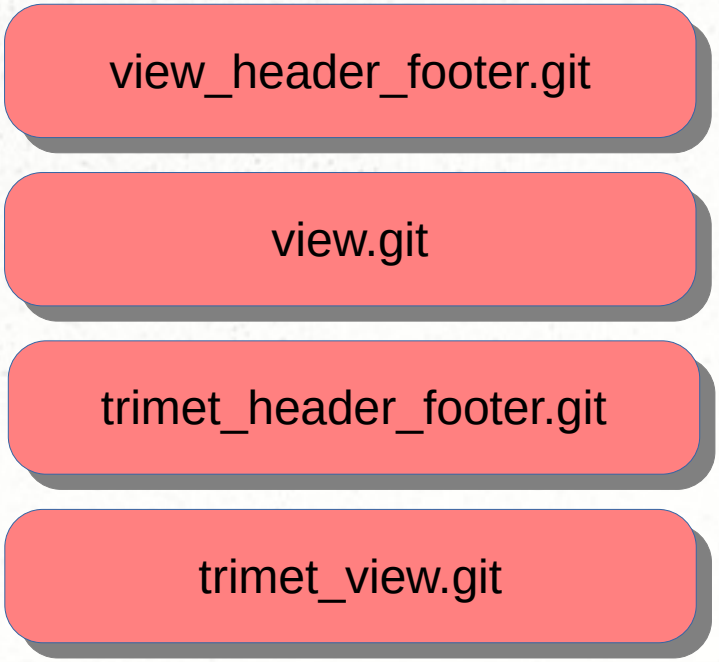
trimet_header_footer.git

trimet_view.git

Headers & Footers – Pyramid App

Scenario #1

Scenario #2



Headers & Footers – Sandwich

Python / Pyramid / Mako

view_header_footer.git

trimet_header_footer.git

Java / Play!

fieldtrip.trimet.org

H&F + *Play!* static template file

- We start with the java-based fieldtrip app, and a *Play! Framework* template that lacks a header and footer (fieldtrip form).
- With a command-line app (sandwich.py), we call the header and footer service, and get the major pieces of the TriMet look and feel (in python, these are two strings)
- Our command-line app then pulls in the entire Play! template via a simple file I/O read (string #3), and sandwiches everthing together, and writes a 2nd *TriMetized* Play! template.

fieldtrip.trimet.org = TriMet header + Fieldtrip Form + TriMet footer

See http://fieldtrip.trimet.org

Headers & Footers – Realtime Comp.

Python / Pyramid / Mako

view_header_footer.git

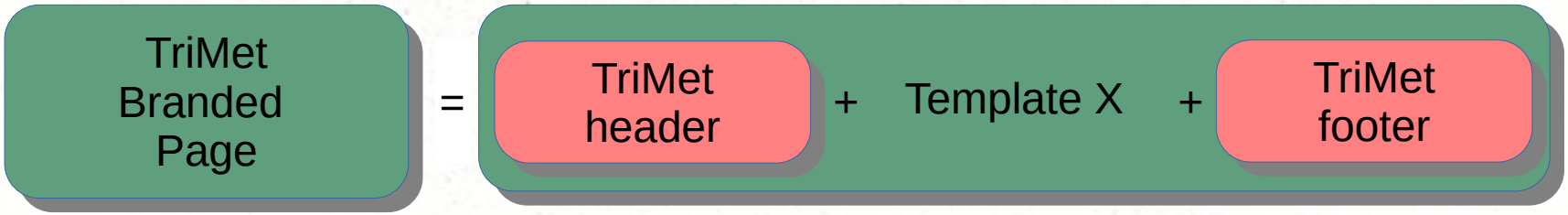
trimet_header_footer.git

TBD Template System

Template X

Template pulls in H&F on demand:

- Similar to the sandwich example above, we pull in the header and footer as separate strings, and then assemble the page.
- The difference here is the template system pulls in the header & footer via HTTP request when the page is built (slight benefit is when the H&F change, this page will change automatically, as opposed to having to re-run sandiwch.py)
- If I wanted to get into a lot of Play! programming, I could have done this for fieldtrip.trimet.org.



Headers & Footers – Edit Workflow