

FLUX WIKI

STARTER KIT — TEMPLATE KIT

PLAN

WHAT GOES IN THE TEMPLATE — REUSABLE CODE, EXCLUDED PROPRIETARY SYSTEMS, SAMPLE DATA, .ENV.EXAMPLE, AND REQUIRED DOCS.

flux.dantesisofo.com/wiki/starter-kit-template-plan/

FLUX_WIKI_v2.0

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FLUX DOCUMENTATION SYSTEM Layer 11 – STARTER KIT | starter-kit-template-plan
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STARTER KIT – TEMPLATE KIT PLAN

The exact contents of the eventual student package. The kit is the **geotag walk** → **static project page** → **master hub/map + private portal** slice – and nothing else.

1. REUSABLE CODE (INCLUDED)

The geotag publishing pipeline, which is well-factored and largely path-relative:

- **Worker / draft generation** – image discovery, EXIF/GPS, derivatives, reverse geocoding, stats, route, about text, contact sheet, submission.json.
 - **Publisher** – project page builder, catalog index, master **hub** + **embed** builders, the **canonical-naming** authority, collection tagging, and the single **deploy helper** that keeps hub + embed in sync.
 - **Imaging helpers** – derivatives, contact sheet, EXIF reader, geo/stats, geocoder.
 - **Client-side zine** – the in-browser PDF generator + vendored map/QR/PDF libs.
 - **Private portal** – the Flask app + the project-workflow blueprint + auth + templates (the studio UI).
 - **Deploy** – the s3 sync + CloudFront-invalidation helper.
 - requirements.txt – pinned.
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2. EXCLUDED – PROPRIETARY FLUX SYSTEMS

These stay private; they are not needed to teach the geotag publisher and are specific to the author's larger practice:

- The **chronological issue/zine archive** (the 16k-photo grid generator, issue builder, stream/queue/approve pipeline).
 - **Dispatches** and the separate **/projects/** archive system.
 - The **wiki engine** itself, the **intelligence / keeper / embeddings** layers, the **physical autonomous-print** layer, and **preservation** tooling.
 - The public submission/intake flow (optional; can be added later).
 - All FLUX branding/identity if students should brand their own city archive.
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3. SAMPLE DATA (INCLUDED)

- A sample_walk/ of **6-12 redistributable geotagged JPEGs** (CC0/public-domain), or a small script that synthesizes EXIF+GPS onto sample images.
- An **empty catalog seed**: { "schema_version": "...", "walks": [], "reserved_slugs": [] }.
- An examples/ folder with one **reference published project + hub** so students can see expected output before running their own.

4. .env.example (INCLUDED)

A committed template with **placeholders only** (the real .env is gitignored). It documents: FLUX_BUCKET, FLUX_CF_DIST, FLUX_REGION, FLUX_BASE_URL, FLUX_AUTHOR, the PORTAL_* local-auth vars, and the optional ANTHROPIC_API_KEY + MAIL_SMTP_*. See STUDENT SETUP for the full block.

5. DOCS (INCLUDED)

File	Purpose
README.md	What it is, architecture diagram, quickstart
SETUP_AWS.md	IAM least-privilege policy, S3 bucket, CloudFront + OAC
RUN_LOCAL.md	Python/venv, run the portal, the studio workflow
PUBLISH_PROJECT.md	create → upload → generate → publish; hub auto-update; iframe embed
CONFIGURATION.md	every env var; the canonical-naming rule; the collection/hub concept
TROUBLESHOOTING.md	credentials errors, slow vs stuck generation, CloudFront cache, restart-after-edit, single-portal rule

(These wiki pages are the **source material**; the kit's standalone docs are derived from them.)

6. CONFIG TO EXTERNALIZE (THE REAL WORK)

Sanitizing isn't deletion – it's **parameterization**. The build step replaces the hardcoded bucket / distribution / domain / region / author / home-path values (spread across the working code) with reads from one config module backed by .env. This is the bulk of turning the working system into a template.

7. SUGGESTED KIT LAYOUT

```
cityflux-starter/
  README.md  SETUP_AWS.md  RUN_LOCAL.md  PUBLISH_PROJECT.md
  CONFIGURATION.md  TROUBLESHOOTING.md
  requirements.txt  .env.example  .gitignore
  flux/            # config + canonical naming + cli
  worker/          # draft generation pipeline
  publisher/       # project page + hub + embed + catalog + deploy
```

```
portal/          # private Flask studio (app + blueprint + templates)
zine/            # client-side PDF + vendored libs
data/catalog.seed.json
sample_walk/     # redistributable geotagged photos
examples/        # one reference project + hub
```

Next: ROADMAP for how this gets released.

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