# **Pre-Coding Essentials (Component: .gitignore, Version/FormulaID: VM-ENGINE v0) — 5/89**

## **1) Goal & Success**

Goal: Ignore build artifacts, caches, and local/IDE noise while **tracking** all normative inputs (schemas, fixtures, vendor).

Success: git status shows only source/doc/spec changes; no accidental commits of target/, artifacts/, UI build output, or OS clutter.

## **2) Scope**

In scope: workspace-wide ignore rules for Rust, Tauri UI, CI artifacts, OS/IDE files.

Out of scope: line-ending normalization (.gitattributes), editor formatting (.editorconfig).

## **3) Inputs → Outputs**

Inputs: Cargo workspace, Tauri UI subproject, Makefile output locations.

Outputs: Clean VCS state; reproducible clones (no missing required files like vendor/, schemas/, fixtures/).

## **4) Entities/Tables**

## **5) Variables**

## **6) Functions**

(None.)

## **7) Algorithm Outline (rules to include)**

Add the following patterns, in this order (specific → generic), with comments:

gitignore

CopyEdit

# --- Rust / Cargo ---

/target/

/\*\*/target/

\*\*/\*.rs.bk

# Coverage / profiling (if used)

\*.profraw

\*.gcda

\*.gcno

\*.lcov

# --- Workspace artifacts (transient) ---

/artifacts/

/dist/

/tmp/

/.cache/

# --- Tauri (Rust side) ---

/crates/vm\_app/src-tauri/target/

/crates/vm\_app/src-tauri/.tauri-build

/crates/vm\_app/src-tauri/.cargo-lock-backup

# --- Frontend (Vite/Node) ---

/crates/vm\_app/ui/node\_modules/

/crates/vm\_app/ui/.vite/

/crates/vm\_app/ui/dist/

/crates/vm\_app/ui/npm-debug.log\*

/crates/vm\_app/ui/yarn-error.log\*

/crates/vm\_app/ui/pnpm-lock.yaml # keep lock if you decide to pin; otherwise ignore

# --- OS / editors ---

.DS\_Store

Thumbs.db

Desktop.ini

\*.log

\*.tmp

\*.bak

\*~

\*.swp

\*.swo

.idea/

.vscode/

# --- Test run byproducts (safety) ---

\*\*/\*.assert.out

\*\*/\*.assert.err

# --- DO NOT IGNORE (must be tracked) ---

# (Documentation comments only; no patterns needed.)

# - vendor/ (keep for offline builds)

# - schemas/ (normative JSON Schemas)

# - fixtures/ (Annex B test data)

# - crates/vm\_app/ui/public/map/tiles/\*.mbtiles (bundled tiles)

## **8) State Flow**

Developers run builds/tests → outputs land in ignored folders → repo stays clean.

## **9) Determinism & Numeric Rules**

N/A (supports determinism by ensuring canonical inputs are versioned and transient outputs are not).

## **10) Edge Cases & Failure Policy**

If you later **vendor** dependencies, ensure vendor/ is **not** ignored (leave as tracked).

If CI needs to diff generated reports, write them outside artifacts/ or temporarily remove that rule in CI-only .gitignore overrides.

Keep lockfiles (Cargo.lock, UI lockfile if chosen) **tracked** for reproducibility.

## **11) Test Checklist (must pass)**

Fresh clone + make ci → git status clean.

Create dummy files in each ignored dir → git status still clean.

Verify schemas/, fixtures/, vendor/ remain **unignored** (e.g., add a file and see it appear in git status).