

1. Define the Scope
 - Identify what you're renaming: database columns, API fields, log identifiers, etc.
 - Clarify the target audience: business analysts, executives, auditors, or end-users.
 - Decide the format: glossary, data dictionary, or inline documentation.
2. Collect Context-----HIGHLY IMPORTANT-----
 - Gather metadata: schema descriptions, table relationships, data types.
 - Include sample values: e.g., `cust_id = 12345` → helps AI infer "Customer ID."
 - Add business rules or domain vocabulary: e.g., "We say 'Client' not 'Customer.'"
3. Prepare Training Material
 - Build a **controlled vocabulary** (preferred business terms).
 - Create examples of mappings: `acct_num` → Account Number`, `txn_dt` → Transaction Date`.
 - This acts as a reference set for AI to mimic.
4. Design the Prompting Strategy
 - Use **few-shot prompts**: show AI 5-10 examples of technical → business names.
 - Add explicit instructions: "Use business-friendly language, avoid abbreviations, follow glossary."
 - Example prompt:

```
```
Convert technical field names into business-friendly names.
Follow these rules:
- Expand abbreviations
- Use glossary terms
- Keep names concise
Examples:
cust_id → Customer ID
txn_dt → Transaction Date
```
```
5. Run Generative AI
 - Feed batches of technical names with context into the model.
 - Generate candidate names.
 - Capture multiple suggestions if ambiguity exists.
6. Human-in-the-Loop Review-----HIGHLY IMPORTANT-----
 - Business analysts validate AI outputs.
 - Resolve conflicts (e.g., "Client" vs "Customer").
 - Approve final glossary.
7. Iterate & Fine-Tune
 - Collect feedback from reviewers.
 - Refine prompts or fine-tune the model with corrected mappings.
 - Build a reusable pipeline for future datasets.
8. Integrate into Workflow
 - Store approved names in a **data catalog** or metadata repository.
 - Automate renaming in ETL pipelines, dashboards, or API documentation.
 - Keep glossary versioned for audit and compliance.
9. Governance & Maintenance
 - Establish rules: every new technical field must be mapped before use.
 - Periodically retrain AI with updated glossary.
 - Monitor for drift (AI suggesting inconsistent names).

If you skip **context** or **human review**, this will fail. AI is powerful at pattern recognition, but business language is nuanced. Treat AI as a **draft generator**, not the final authority.

