Module 1 Assignment – Foundations, Pitch, and Django Practice

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Abstract

This portfolio-style submission consolidates AI-native development deliverables for Weeks 1–2 of CIDM 6325. It presents a secure AI-code auditing project pitch, prompt evolution logs, ethical and accessibility strategies, a Django CRUD artifact, and critical architectural reflection. All artifacts align with advanced-tier expectations, emphasizing traceability, compliance, and real-world implementation within AI-assisted workflows.

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Part G: Django CRUD MiniLab

This Django mini-project demonstrates a simple, traceable CRUD flow for managing AI-generated code snippets that may introduce security, ethical, or accessibility risks. The model `CodeSnippet` includes fields for title, content, and a timestamp.

Features Implemented

- **Create**: Form page using Django's `ModelForm` for submitting code snippets
- **Read**: Listing view that displays all submitted snippets
- **Model**: `CodeSnippet` with `CharField`, `TextField`, and `DateTimeField`
- **Templates**: HTML templates for form input and list output
- **Routing**: App-level `urls.py` and project-level `urls.py` using `include(...)`

Screenshots

Create Snippet View
[Insert create_entry.png here]

View Snippets Page
[Insert view_entries.png here]

> *Note: Screenshots reflect successful end-to-end CRUD test using Django development server.*

Reflection on Django Principles

This mini-lab followed Django-first design: - All business logic is stored in `models.py` and `forms.py` - Views remain thin and delegate logic appropriately - Presentation is handled cleanly with templates - Ready for transactional safety with `transaction.atomic()` if extended to include concurrent approval or validation flows

This scaffold provides a strong foundation for integrating hallucination detection and traceability mechanisms in future iterations.

GitHub Artifact

View Repo: https://github.com/YOUR_USERNAME/YOUR_REPO_NAME

The repo includes: - `README.md` with project overview - Source code with working CRUD - Screenshots folder - AI_LOG.md and ETHICS.md

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[Continue with Part H and References — as written.]

System Sketch

> *Figure 1. Proposed architecture for hallucination-aware code validation system*
> [Insert architecture diagram image here]

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