3. E-commerce Product Recommender

Objective:
 Combine recommendation logic with LLM-powered explanations for users.

Scope of Work:

- Input: Product catalog + user behavior

- Output: Recommended products + LLM-generated explanation ("Why this product?")

- Optional frontend dashboard showing recommendations

Technical Expectations:

- Backend API for recommendations

- Database for products & user interaction

- LLM for explanation text

LLM Usage Guidance:

- Example prompt: *"Explain why product X is recommended to this user based on their behavior."*

Deliverables:

- GitHub repo + README

- Demo video

Evaluation Focus:

- Recommendation accuracy, LLM explanation quality, code design, documentation