

Prompt

You are a technical product manager. Write a concise Product Requirements Document for a hackathon project.

The product is an AI car variant comparison system that helps users choose between trim levels of the same car model, for example Swift LXi vs VXi vs ZXi Plus.

Context

Hackathon duration is 7 to 8 days.

UI is built using Streamlit.

Data is stored in ChromaDB or MongoDB.

Use a Kaggle Indian Cars dataset with variant level specifications.

Prices are fixed constants.

No machine learning or prediction is allowed.

LangChain with Gemini is used only for simple response formatting, not reasoning.

User Flow

User selects brand, then model, then variant.

System displays selected variant price and features.

System recommends two higher variants with price difference and added features.

If the selected variant is the top tier, display a fully loaded message.

Data Model

Three level hierarchy: make, model, variant. Each variant includes tier order where 1 is base, 2 is mid, 3 is high, 4 is top.

Agent Behavior

The agent performs minimal orchestration only.

It calls Python functions to query the database and formats results into natural language.

No complex reasoning or decision logic.

Writing Requirements

Audience is developers and technical judges.

Tone is technical and concise.

Each section must be under 100 words.

Clearly separate hackathon MVP features from future enhancements.

Include edge cases such as top variant handling.

Constraints

No resale value prediction.

No cross model comparison.

Use free tier tools only.

The solution must be achievable within 7 days.

Output Sections (use these exact headers):

Product Vision

User Flow

Data Architecture

Agent Logic

Feature Scope (MVP vs Future)

Tech Stack

Success Metrics

Risk Mitigation (top 3 risks only)

Keep the total document under 2000 words.

No fluff.