Homework

Implementing Advanced Design Patterns

Implement a software application that integrates three AI/Resilience design patterns.

Objective

Select and implement three AI patterns or Resilience patterns in a single software application of your choice. The application should solve a (un)real-world problem or address a specific need you've identified. For resilience patterns you will need an API simulation or a real API and the same for AI patterns.

Deliverables

- A brief description of your application idea and the problem or need it addresses.
- Source code for your prototype, clearly highlighting where and how each of the three design patterns is implemented.
- A reflection document discussing your design decisions, the integration of design patterns, and insights gained from this exercise.
- Hand in is possible as a GitHub link to a repository which includes a README.
- You can extend your previous assignments.

Important

No pattern libraries are allowed. Write the patterns from scratch.