**Question 4:**

How will you handle the logging of processing workflow information, including detailed load statistics?

**How this will guide the architecture:**

* **Defining Logging Mechanisms:** We need to determine how to effectively log events, errors, and performance metrics throughout the file processing pipeline. This will involve:
  + **Log Levels:** Defining different log levels (e.g., DEBUG, INFO, WARNING, ERROR) to control the amount of logged information.
  + **Log Formats:** Choosing a suitable log format (e.g., plain text, JSON) for easy parsing and analysis.
  + **Log Destinations:** Deciding where to store logs (e.g., file system, database, cloud-based logging services).

Proper logging is crucial for monitoring, debugging, and improving the performance of your file processing framework.

By addressing this question, we can start to think about how to integrate logging into your Hexagonal Architecture, ensuring that logging concerns are separated from the core domain logic.