Pattern: Chain of responsibility

Here, given application is to process a request when exact handler is not known in advance.

One pattern that could be utilized to solve the main design problem of processing a purchase order request is the **Chain of Responsibility** pattern

If a lower-level authority cannot handle a purchase order request due to exceeding its approval limit, it can forward the request to the next higher-level authority in the chain. This allows for dynamic decision-making based on the context of the request.

It supports separation of concerns and promotes maintainability by encapsulating the handling logic within individual handler classes. Changes or updates to the handling logic can be localized to specific handler classes without affecting others.