Redis Data Structures

In order to implement Redis to store and quickly access the reseller's search criterias, I will use Redis Hashes. A single Redis Hash will be used for each reseller's search criteria. The key for each hash will be structured as search_criteria:reseller_id, where reseller_id is a unique identifier for each reseller. The fields within the hash would represent the search criteria.

In order to use Redis for managing user sessions, allowing for efficient maintenance of reseller preferences and login states, I will use Redis strings. The key will involve the pattern session:session_id, with session_id being a unique identifier for each session.

In order to use Redis to queue scraping tasks, allowing for a systematic processing of scraping actions based on the reseller's criteria, I will use Redis lists. Each scraping task will be serialized as a JSON string. The key for the list will be scraping_tasks_queue.