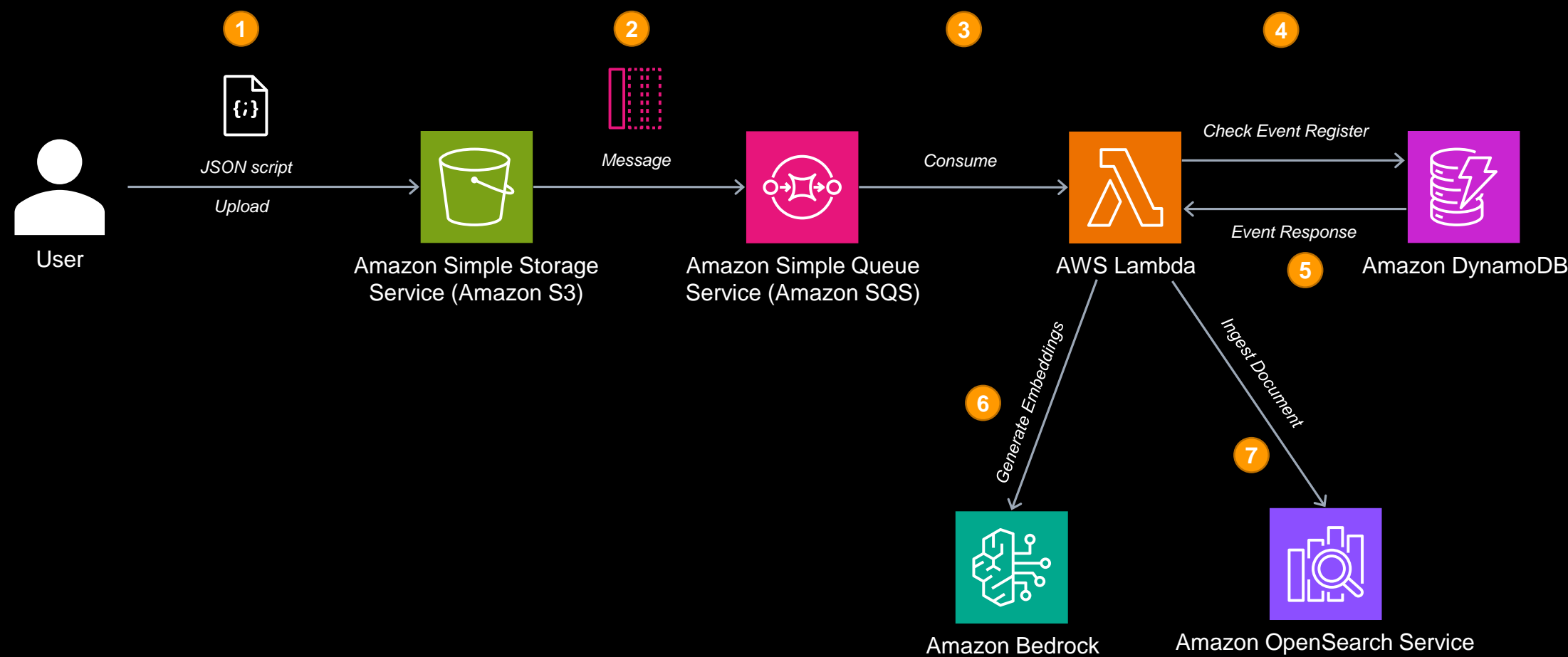
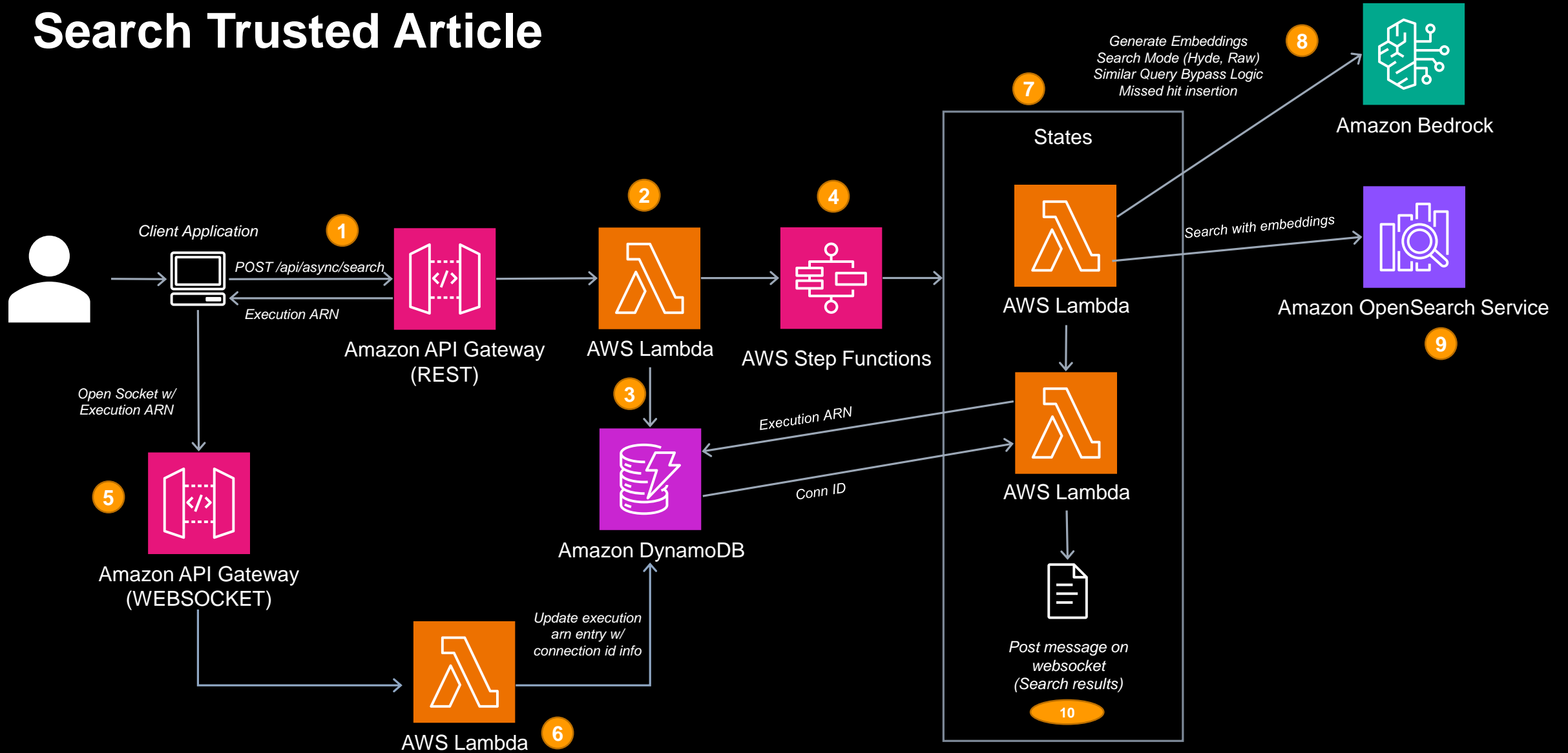


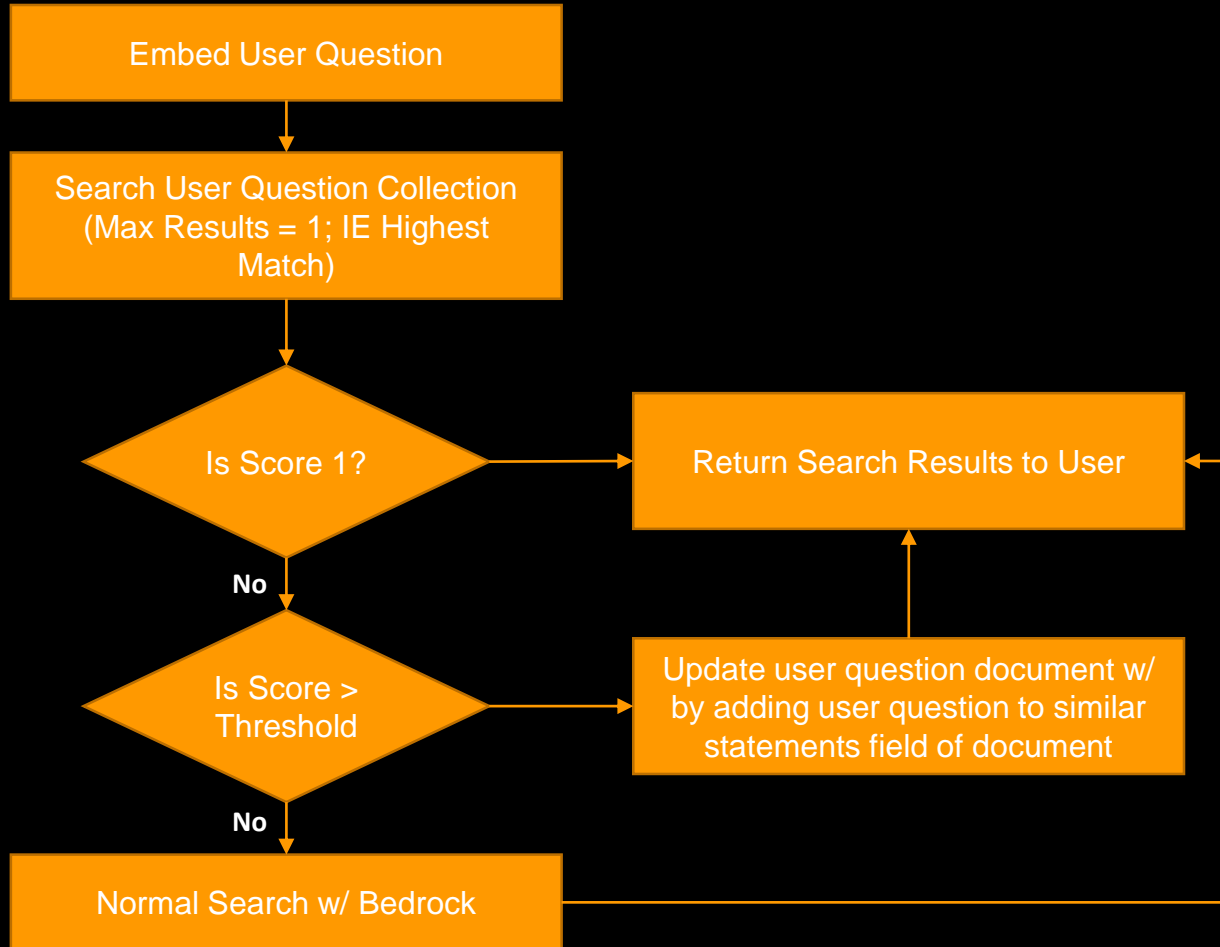
Ingest Trusted Article



Search Trusted Article



Similar Query Bypass Logic



Note: in production we will want to optimize this workflow as well as the data that is stored.

Currently, user query also includes the document results of matches.

We could strip these and perform a regular search for documents (but bypass Bedrock).

Improvement: We can utilize caching with Amazon ElastiCache to provide the user with even better response times as well as bypass reads/writes on Amazon OpenSearch Serverless

Consideration: Document results when new documents are ingested when pertaining to similar query bypass logic. Possible check would be stored mappings of doc ids in our query versus top 3 that search returned. Mismatches mean we must regenerate Bedrock response and restore accordingly.

Consideration: OpenSearch is eventually consistent; have potential to address these mismatch "timings" of documents through clean up routines or address through a processed queue of data (SQS) instead.