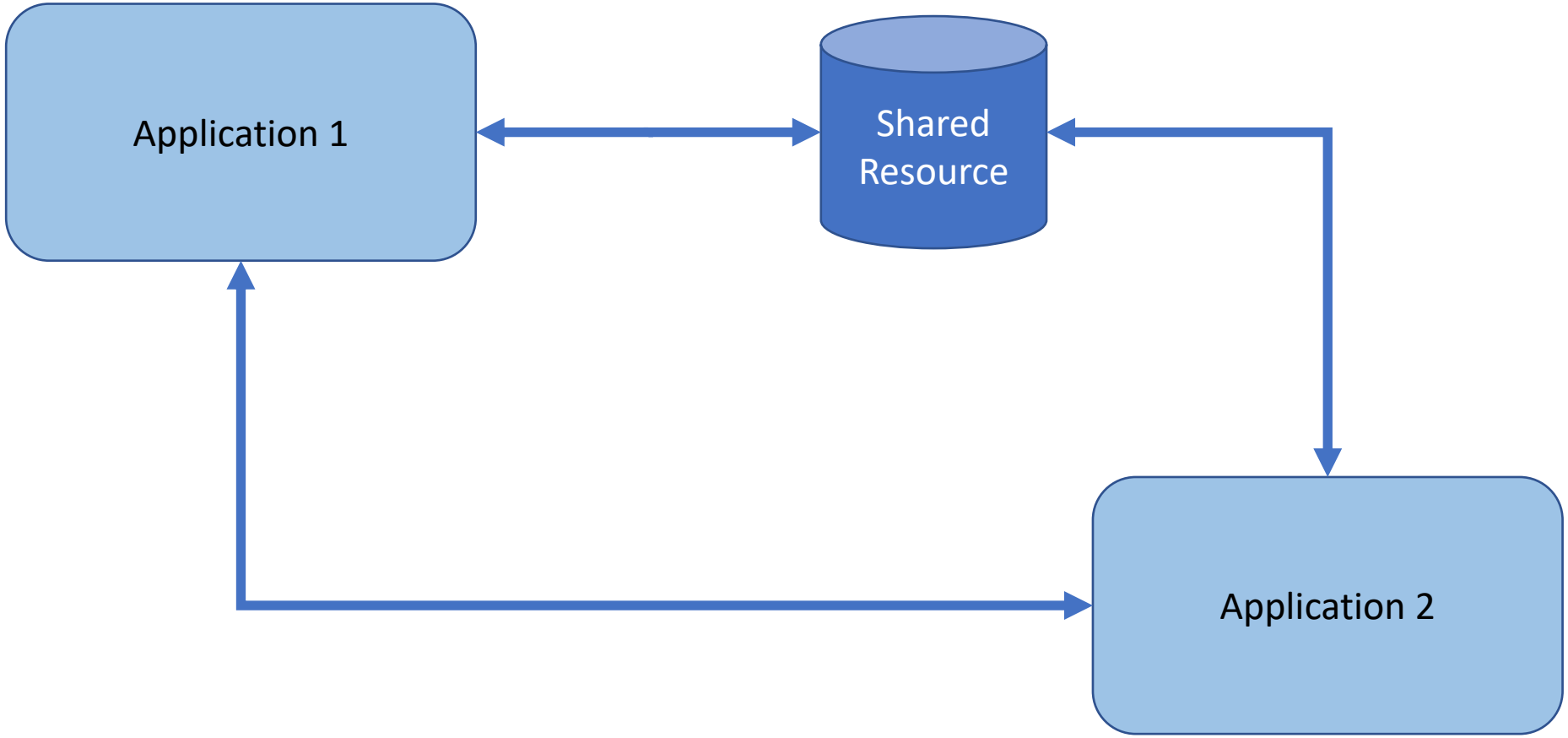

Since application 2 is a blocking process, more assumptions were made (Solution #1) Main Solution

- If there is a shared resource between the two applications (e.g. database, queue, etc.), Application 1 can just periodically check the database for entries from Application 2 via a identification code or marking header. Based on the amount of information queried by Application 1, a progress bar can be displayed based on the amount of entries within the shared Resource. We know how much information was requested because Application 1 sent variables to Application 2.
- This process can also be multithreaded/multi-processed, allow for scalability. For example, if an Application 3 was added to pipeline that also communicated with Application 1, we can just spawn 5 threads that poll the shared resource for Application 3's additions and so on. Making this an efficient and scalable solution that keeps track of application progress.