Write a short paragraph to explain the below image on synchronous and asynchronous replication.

A diagram of a diagram

Description automatically generated

The data of user 1234 is replicated. One of the replicas is designated as the leader, while the remainder are followers. The leader writes new data updating the user’s picture URL and sends it to the followers. Then the leader waits from an acknowledgement from a follower that they have properly received the data. Once received, the data is written to primary the database. The leader doesn’t need to wait for a second follower, as long as one copies.