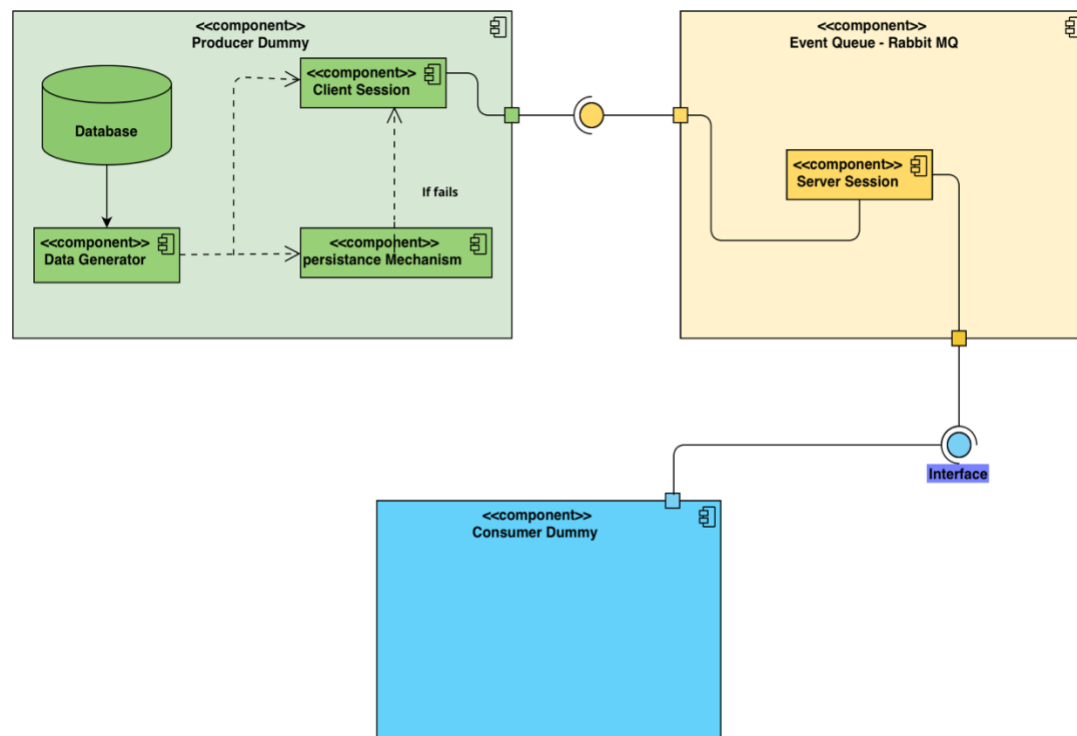


CODE COMPONENT DIAGRAM



We have used component diagram to show different components of our code solution. Our code is basically comprised of 3 major components, producer dummy (client), rabbit MQ (Event Queue) and consumer dummy.

The producer dummy operates through the dependencies among its 3 sub-components database, data generator and persistence mechanism (storage buffer). When the producer dummy is triggered, data generator catches data events (message) from the database then forwards it to the client session and persistence mechanism. Persistence mechanism is a contingent component which stores the last data event and gets triggered in case of any failure.

After the producer dummy successfully generates an event, it goes to rabbit MQ (event queue). Rabbit MQ is a 3rd party program which we are using as a component for queuing events.

Lastly, after rabbit MQ queues events successfully, data event moves to consumer dummy whose details are still in discussions with the industry partner.