Application logic description

Since the application involved a hug number of users. There is need to response to each request asynchronously, hence the need to implement Laravel Queue. Queues allow you to defer the processing of a time consuming task, such as sending an email, until a later time.

For my script to bill 10,000 users within or for 1hr., It mean each user will be on queue for 0.36secs, before it send a request to the billing API for processing.

I.e.

Please refer to billUsers() method from my code to see this in action.

For the same script to bill 100,000 users within 4.5hours, each user will have to be on queue for 0.162secs, before sending request to the billing API. i.e.

After a user has been billed successfully, the system stores the user bill details and thereafter send SMS to the user. Please see storeUserBillAndSendSMS() method from my code.

Please note that this is not a working application, it has not been tested. It’s an assumptions.