Subject: Re: How to deal with multiple inserts in ADD1 pattern
Posted by AJM on Mon, 19 Sep 2016 18:17:22 GMT
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According to the MySQL manual it is simply not possible for multiple inserts into a table which has an auto-increment primary key to fail with a duplicate key error. Each insert will increment the number, so it is not possible for the same number to be returned for different inserts. I cannot duplicate this supposed bug in my system.

the logs you have provided show a primary key with the value "ABC123" so as it is not pure numeric it cannot be an auto-increment column.

If using an ADD1 pattern the user presses the SUBMIT button more than once then the insert will be attempted more than once. If the primary key is a user-supplied value then this will result in a "duplicate key" error.

If different users try to insert a record with the same primary key at the same time then the first insert will succeed and all others will fail. This is expected behaviour. Each INSERT operation is surrounded by a START TRANSACTION and a COMMIT/ROLLBACK during which the database is locked. Perhaps you need to examine your locking strategy.