Subject: Re: Application Crashes Due to Duplicated Concurrent INSERT Transactions
Posted by AJM on Tue, 20 Sep 2016 09:59:14 GMT
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Firstly, you should train your users not to keep repeatedly pressing the submit button in the hope that it will make things go faster. This issue is not limited to the Radicore framework as it is eactly the same for *ALL* web applications.

Secondly, you are missing an option. I have seen some websites which, when a submit button is pressed, use javascript to disable the button. The button is not enabled until the operation started by that button is completed and the form is refreshed.

Thirdly, using an option which requires comparing a value in the form with a value stored in the session data would still not be foolproof as the second submission could read the session data before the first submission has updated it.

In all the years that the Radicore framework has been used this issue has never appeared. It sounds like the only sure-fire option would be to lock the entire table before each unsert so that concurrent inserts are then impossible. However, the side effect of this would be to slow down the system for all those users who are adding records to the same table.