





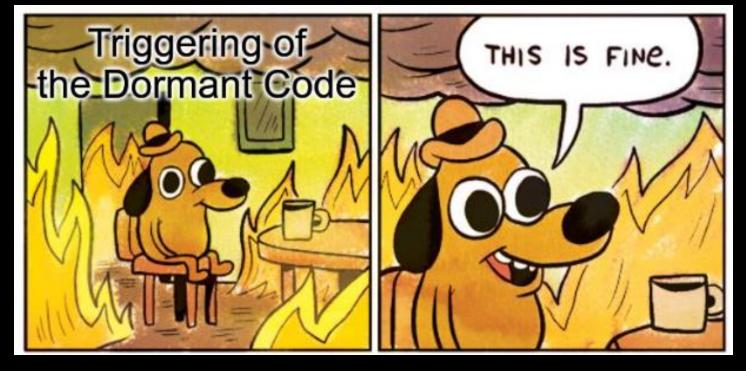
Knight Capital Group was a well-established financial services firm, known for its electronic trading platform. It executed a significant volume of trades daily on the New York Stock Exchange and NASDAQ.

On August 1, 2012, Knight Capital deployed a new software update to their trading system. This update was intended to enhance their platform's performance



The software update inadvertently reactivated an old, unused feature of the system, known as 'Power Peg,' designed to move stock prices up or down.





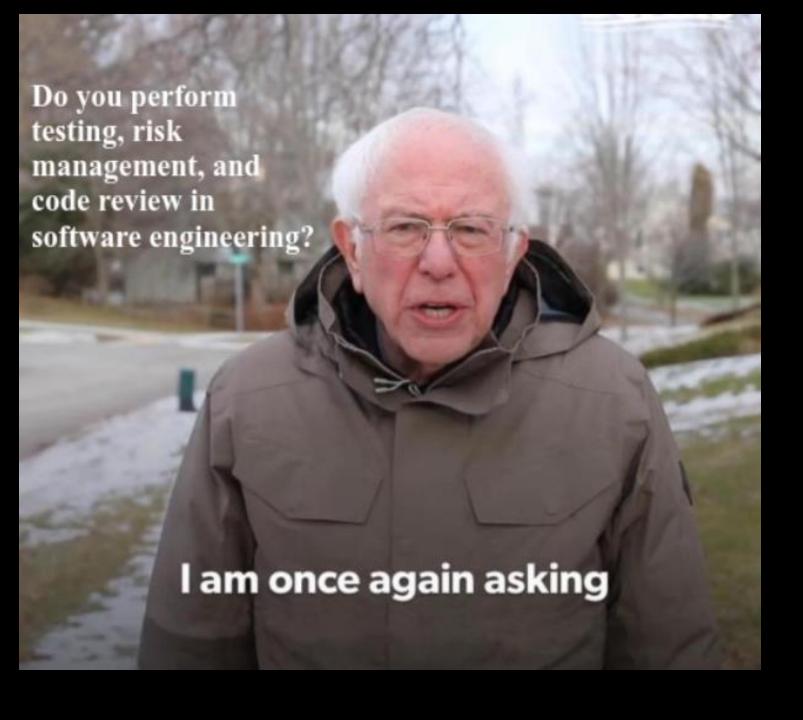
Due to the update, the dormant code went live, causing unanticipated orders to flood the market.

Within minutes, this triggered millions of unintended trades









Key lessons include the importance of rigorous testing of software updates, especially in highstake environments, and thorough review processes to identify dormant code that could be mistakenly reactivated.

The Significance of Software Engineering in Financial Markets

This incident highlights the critical role of software engineering in financial markets. A small software error had a multi-million-dollar impact, demonstrating the need for meticulous attention to detail in software development and deployment.

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