**About The Dataset:**

This dataset provides insights into how a bank’s system performs under simulated load focusing on transaction, response time, throughput and error percentage. Each row represents an individual transaction in a simulated load. The load simulated is to represent customers on the system making transactions.

**Problem Statement**

MorganStanley is a bank that services numerous customers. They have an online banking platform, and the bank has made a promise of speed and efficiency to their customers when they are utilizing this banking platform to carry out their transactions. To make sure the banking platform lives up to its promise, the stakeholders have ordered that performance tests should be run on the system to simulate customers using it. These tests will then show how the system performs under varying load.

I have been tasked as a data analyst to analyze how the system performs with a focus on speed, efficiency and failure/success rate. I am to do so using the dataset and my goals are to uncover insights into how fast and efficient the system is. I am also to find out how often the system fails and under which conditions it fails. To properly quantify failure and success, I will set thresholds on the system’s processing power and response time. This will help paint a clear picture of where the system is excelling or underperforming.

**Questions**

1. How fast does the system respond to transactions on average?
2. How far is the system’s response time from the set thresholds? By how much is it excelling or underperforming?
3. How many errors does the system make in transactions?
4. What is the range of the system’s transaction speeds?
5. Is the system processing enough transactions per second?