**Financial Fraud Detection Analysis**

**Project Description:**

The dataset which we obtained from Kaggle was generated by the simulator called PaySim. PaySim simulates mobile money transactions. It uses aggregated data from the private dataset to generate a synthetic dataset that resembles the normal operation of transactions and injects malicious behaviour to later evaluate the performance of fraud detection methods.

The Financial Fraud Detection business model aims to detect financial fraud in mobile money transactions. Here, financial fraud transactions are the transactions made by the fraudulent agents inside the simulation.

In this specific dataset the fraudulent behaviour of the agents aims to profit by taking control of customer's accounts and try to empty the funds by transferring to another account and then cashing out of the system.

The business model aims to control **massive transfers** from one account to another and flags illegal attempts. An illegal attempt in this dataset is an attempt to transfer more than 2,00,000 in a single transaction.

We are analysing data and trying to predict whether the transaction is fraud or not.

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