Dynamic Auctions with Bank Accounts

Goal of the project

- Implement bank account mechanism for dynamic auctions in cloud as proposed in [paper](#).

- Simulate the auction process locally.

- Technology to be used: python

About the paper

- Bank account mechanism: Restrictive family of dynamic mechanism.
- Bank account is a value / history so far that will quantify how far a certain dynamic mechanism is from a static mechanism.
- Author has implemented double-reserve auction, which is a subset of bank account mechanism.
- This type of auction guarantees maximum revenue as proved in the paper.

So far…

- Went through the paper which we have to implement.
- We've understood the basics and terminologies of auction process using [this](#) resource (Auctions and bidding: A guide for computer scientists).

Problems…

- Unable to find much resources related to the topic.

- Can't able to find data on google traces.

- Architecting the auction process. Any leads would be helpful.