Universal Network Coin (UNC)

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Introduction

- Our client is Dr. Stotts.
  - He asked us to create a currency similar to Bitcoin, but much easier to mine.
- Essentially, we are taking the Peer-to-Peer (P2P) aspect out of Bitcoin and reducing constraints on the hashing function to allow for low-resource computers (i.e. your everyday laptop) to mine currency easily.
Architecture
Client - Server Communication

- Use TCP socket to send and receive JSON objects
- These JSON objects will implement our specific protocol
- JSON: an object consisting of key-value pairs
- JSON library: http://www.json.org/java/index.html
Server Architecture

Messages sent to clients

- Server comm. module
  - Client sock 1
  - Client sock 2
  - Client sock 3

- Welcome socket

- Request executor

Database Driver