



chóros

Sarocho Leelamanthep

Izabela Litwin

Austin Saunders

Two Currencies in Ecosystem

	CMU Coin	Gas
Purpose	Pay for price of rooms	Transaction cost
Resets	Quarterly	Bi-annually
Transferability	No	For verification



Permanent Delated Proof of Stake

- Spin-off of DPoS
- CMU still has centralized overall authority
- Each BP will sign one block per timestamp and as long as there are 5/7 signatures this will be the block that is passed
- System cuts down on time and energy wasted on solving puzzles.

Role of Participants



Students

- Quota for both CMU coins and gas
- Can only book rooms 90 days in advance



Professors/Administrations

- Early access to room booking
- Unlimited gas
- Override existing reservations

Pricing Model



Room Capacity

- Room price increases with larger room size
- Prevents users from booking unnecessarily large rooms



Surge Rate

- Rate calculated based on moving average demand volume based on historical data

Simple process in 3 steps

Select room and time

Request reservation with CMU Coin and Gas

Reservation confirmed and gas transferred to verifier

Features

Instantaneous confirmation



Calendar Exports



Location
Categorization



Nondiscriminatory
access to rooms



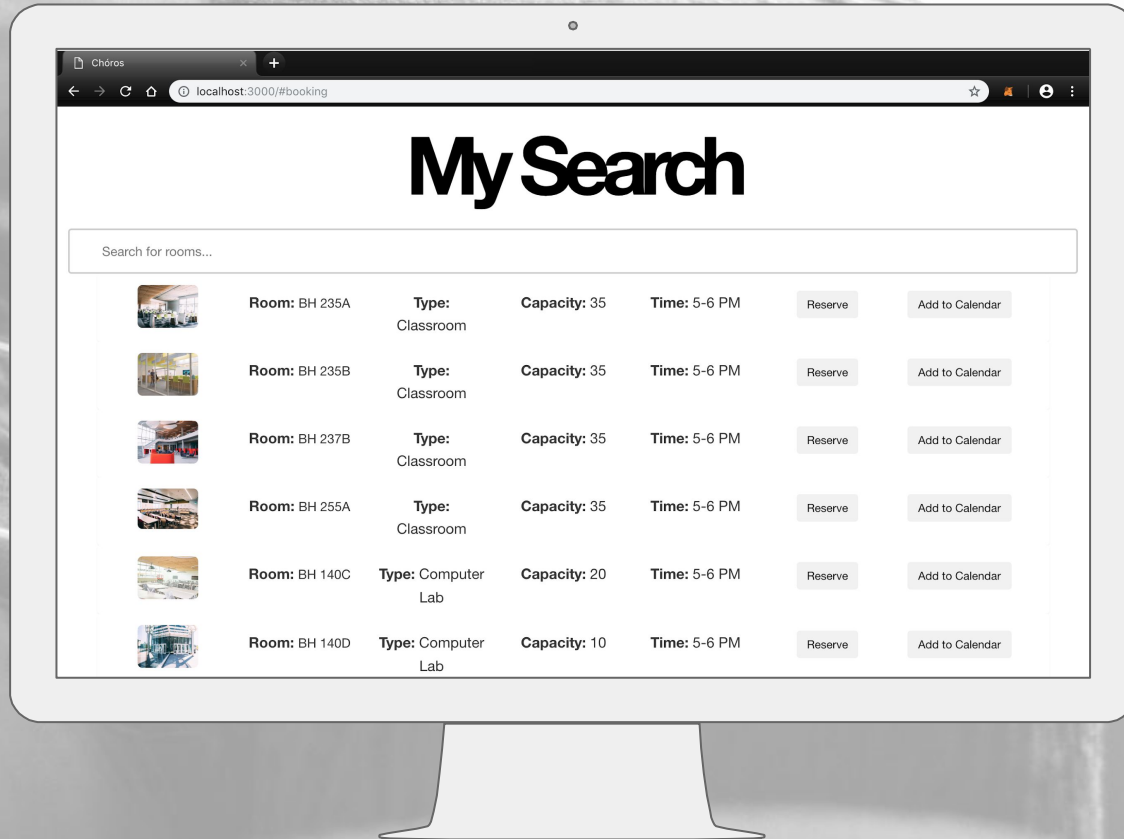
Search bar



Demo

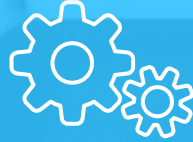


Demo



github.com/fintech8566/choros

Future Improvements and Applications



Pool Transaction

Users can split room pricing



Other campuses, schools, and organizations

Others can just update locations



Borrowing/Lending Operations

Limited amount of token per day/semester.

Thanks!