

# Lecture 38 -

It really is valuable to have a Proxy and be able to update your contracts.



Home



Explore



19 Notifications



Messages



Bookmarks



Lists



Profile



More

Tweet

← Thread



foobar

@Oxfoobar

...

\$34 million, or 11,539 eth, is permanently locked into the AkuDreams contract forever. It cannot be retrieved by individual users or by the dev team.

The refund processing, which is complete, sets each bid status to 1.

```
function processRefunds() external {
    require(block.timestamp > expiresAt, "Auction still in progress");
    uint256 _refundProgress = refundProgress;
    uint256 _bidIndex = bidIndex;
    require(_refundProgress < _bidIndex, "Refunds already processed");

    uint256 gasUsed;
    uint256 gasLeft = gasleft();
    uint256 price = getPrice();

    for (uint256 i=_refundProgress; gasUsed < 5000000 && i < _bidIndex; i++) {
        bids memory bidData = allBids[i];
        if (bidData.finalProcess == 0) {
            uint256 refund = (bidData.price - price) * bidData.bidsPlaced;
            uint256 passes = mintPassOwner[bidData.bidder];
            if (passes > 0) {
                refund += mintPassDiscount * (bidData.bidsPlaced < passes ? bidData.bidsPlaced : passes);
            }
            allBids[i].finalProcess = 1;
            if (refund > 0) {
                (bool sent, ) = bidData.bidder.call{value: refund}("");
                require(sent, "Failed to refund bidder");
            }
        }

        gasUsed += gasLeft - gasleft();
        gasLeft = gasleft();
        _refundProgress++;
    }

    refundProgress = _refundProgress;
}
```

7:42 PM · Apr 22, 2022 · Twitter Web App

1,894 Retweets 1,352 Quote Tweets 7,434 Likes



Tweet your reply

Reply



foobar @Oxfoobar · 12h

...

Replying to @Oxfoobar

Therefore users are unable to call emergencyWithdraw()

```
emergencyWithdraw() external {
    require(block.timestamp > expiresAt + 3 days, "Please wait for airdrop");
}
```

```

bidData = allBids[personalBids[msg.sender]];
ata.bidsPlaced > 0, "No bids placed");
ata.finalProcess == 0, "Refund already processed");

onalBids[msg.sender]].finalProcess = 2;
) = bidData.bidder.call{value: bidData.price * bidData.b
, "Failed to refund bidder");

```

4

23

575

**foobar** @0xfoobar · 12h

...

And the team cannot claim because totalBids is forever stuck at a number higher than refundProgress, due to bad increment math.

```

jectFunds() external onlyOwner {
timestamp > expiresAt, "Auction still in
dProgress >= totalBids, "Refunds not yet
ts.airdropProgress() >= totalBids, "Airdrop
= project.call{value: address(this).balance
"Failed to withdraw");

```

10

49

703



I bet they wish that they had used a "proxy" so that they could "fix" any errors.

## Why use a blockchain at all...

1. Shared Data
2. Attestation
3. Finance
4. Distribution of data
5. Prevent "cheating" on data

## How a Medical Records blockchain system works

Reasons to do this

1. State of Health Care in US
2. Data Islands are Bad
3. Inaccuracy of data kills people
4. Virtually nobody keeps records that move with the patient
5. Data sharing is against the self interest of the medial vendor's

Problems to Address

1. HIPAA compliance

2. CCPA - California Privacy Act ( Utah, Colorado, Virginia and others... )
3. Large Data
4. Security

## Opportunity

1. 17% of US economy is burnt up in judicial care.
2. medical "really" needs fixing.
  - US Cost \$10,673 per person per year - 78.3
  - France \$5,154 per person per year - 82.8
  - Turkey \$2,948 per person per year - 78.3
  - Chile \$2,126 per person per year - 78.2
  - Germany \$6,224 per person per year - 81.0
  - Switzerland \$7,280 per person per year - 83.4
  - Mexico \$1,145 per person per year - 77.9

## Now Reality

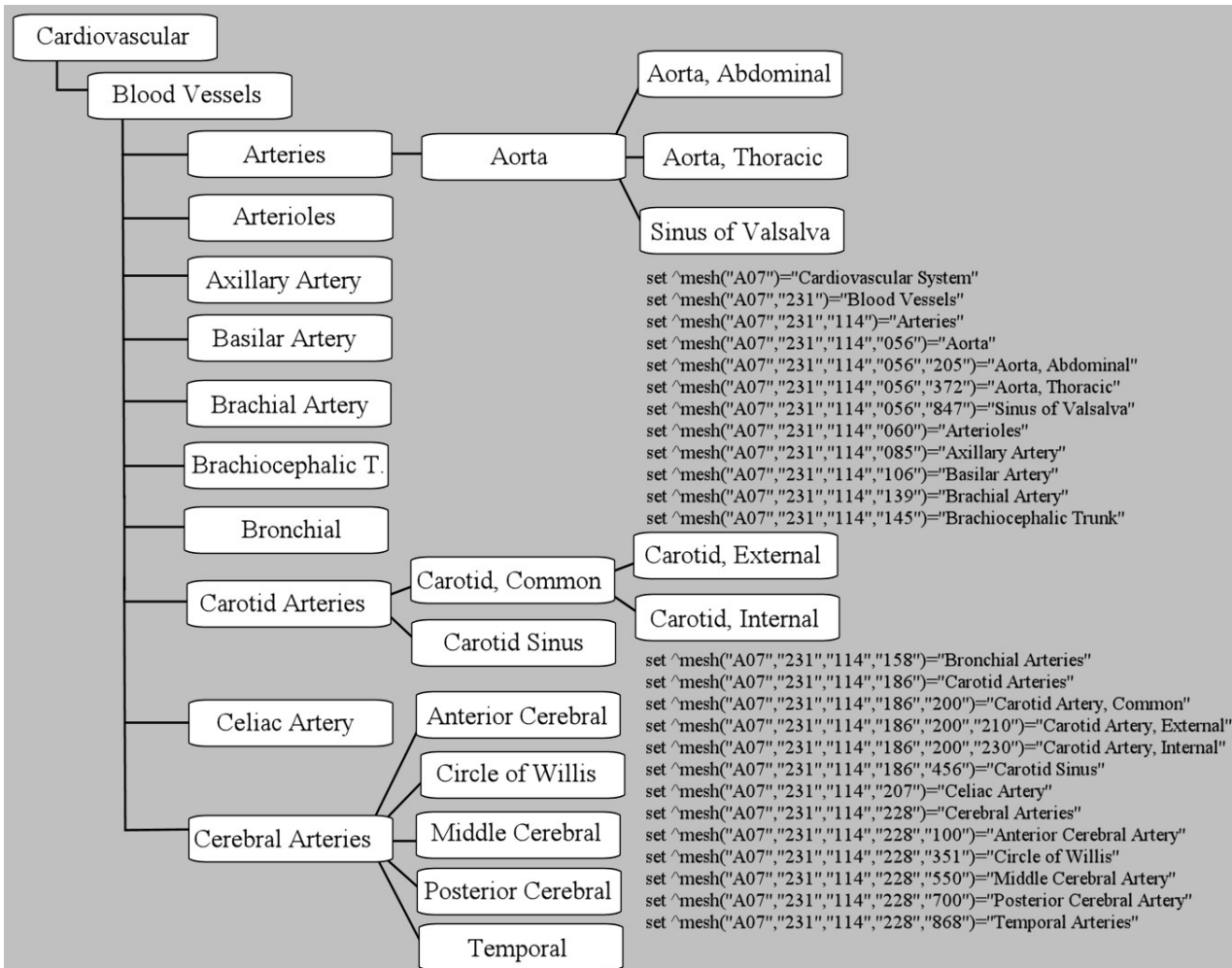
---

This is the why do software projects fail category.

1. Lack of team building.
2. Lack of \$ for the task at hand.
3. Lack of understanding of the problem.

Look at what is available for medical records now.

Mumps - open source system.



**MUMPS V1 System Tray 2.5 [127.0.0.1:1972]**

Start/Stop MV1 | Control Panel | Explorer | **Journaling** | Database Manager | Config Manager

Journaling : **ON**

Journal file :  [SetUpInfo](#)

☐ Cross System Journaling (Shadowing) AutoStart [Remote IPSuperServer service]

Remote (MASTER) system IP :  Port :  [Connect](#)

Remote Journal File :

Last Processed Offset :

CSJ Loop time in second :

CSJ number of record/Loop :

[Refresh](#)

[Save/Apply](#)

**UCI mapping table**

Remote	Local
LTA	HAI
LTB	CSS

[Add](#) [Remove](#)

Will medical records fix the problem?

