

The logo for Asili Procurement, featuring the word "Asili" in a large, white, sans-serif font. Below it, the word "PROCUREMENT" is written in a smaller, white, sans-serif font, centered within a yellow rectangular bar.

**Asili**

PROCUREMENT

# ASILI PROCUREMENT SYSTEM

A BLOCKCHAIN POWERED DECENTRALIZED  
APP

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# Introduction

Hi, This is a presentation made by Team 8 to improve the current Procurement Systems present using Blockchain, specifically Ethereum





01

# Problem Statement

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Description of the Problem  
Statement

# Problems Overview

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## Excessive Costing

Excessive costing due to discrepancies



## Hard to Track Down

Transactions done are hard to track down



## Public Knowledge

Little or no knowledge of the public on where funds have been used



## Corruption

Corruption by middlemen

Most Procurements are done via public portals and they depend on a tendering system. This brought the need to come up with a Blockchain tendering system that is secure and transparent.

Some of these processes include:

1. Procurement from vendors
2. Transport and shipping
3. Transport in between various checkpoints
4. Acceptance at the procurement Company
5. Paying out vendors

This Implementation shall be done using ethereum.

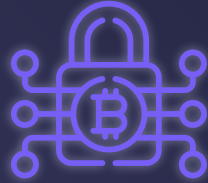
# 02

## Our Approach

Steps we have used in  
trying to solve the problem

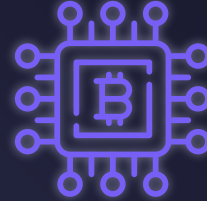
# Our Approach

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## Procurement

Tenders are created,  
bidded and awarded.  
Vendors can bid with their  
quotation

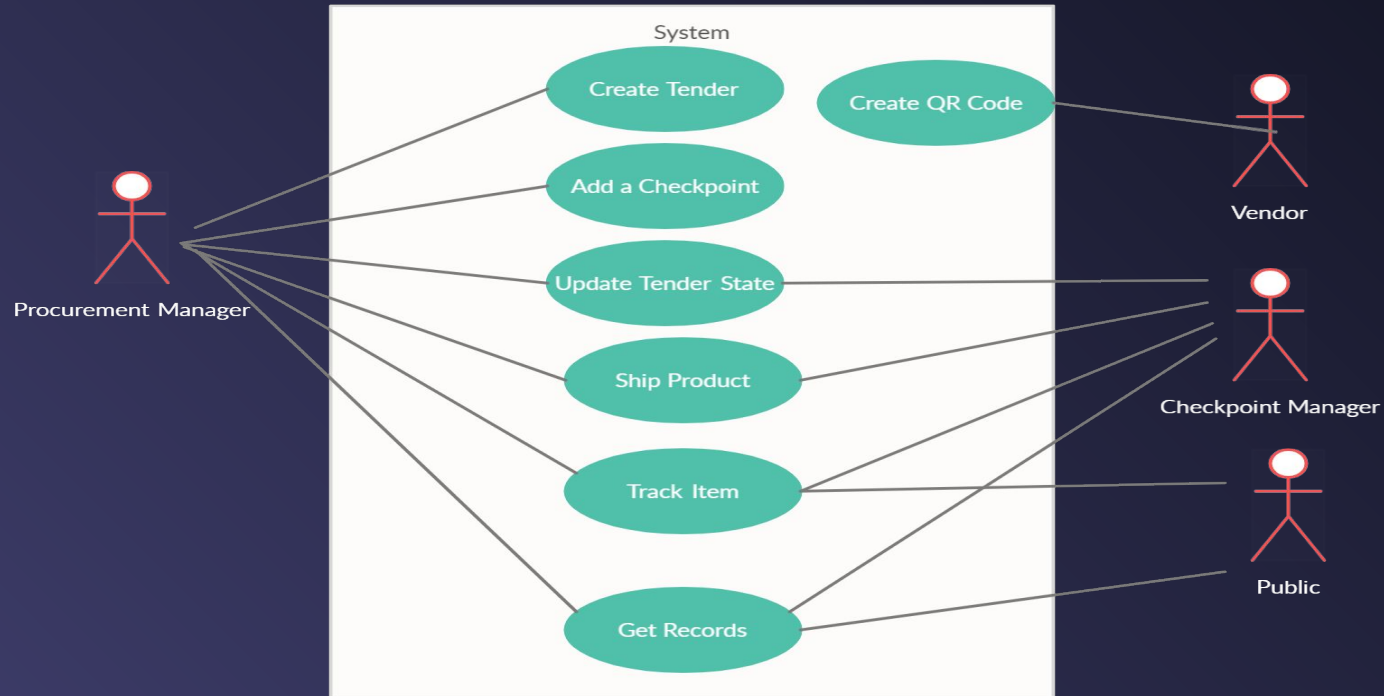


## Supply Chain

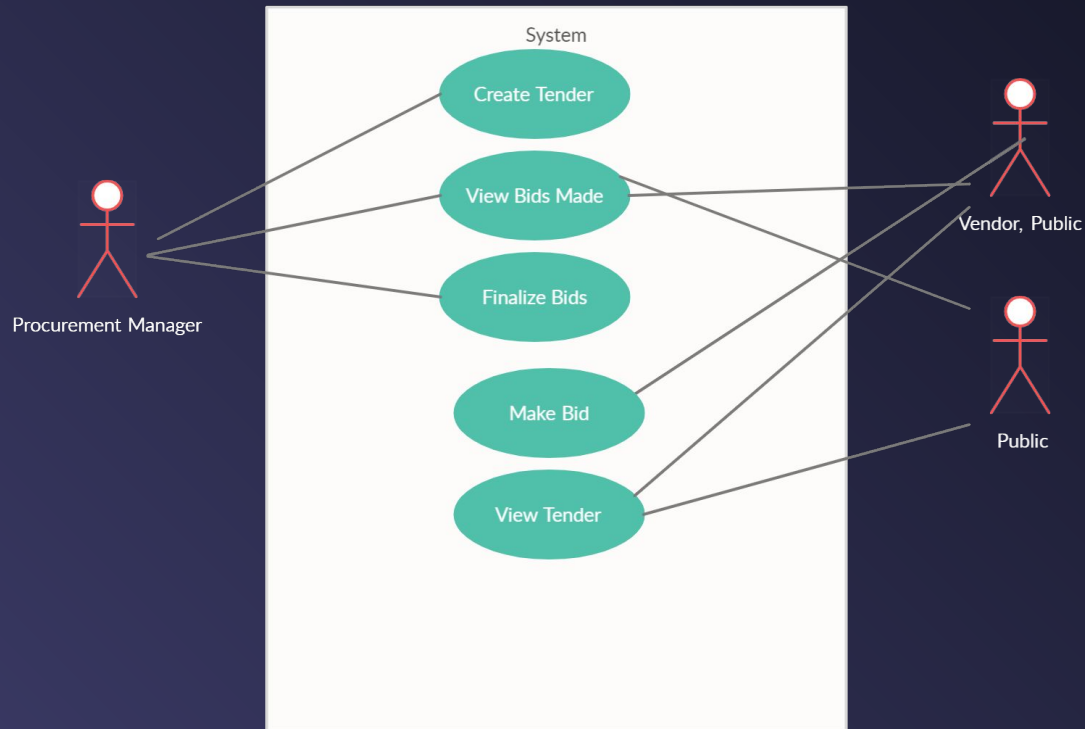
This branch maintains the  
state of each item in the  
Blockchain. This can only  
be done via Ethereum



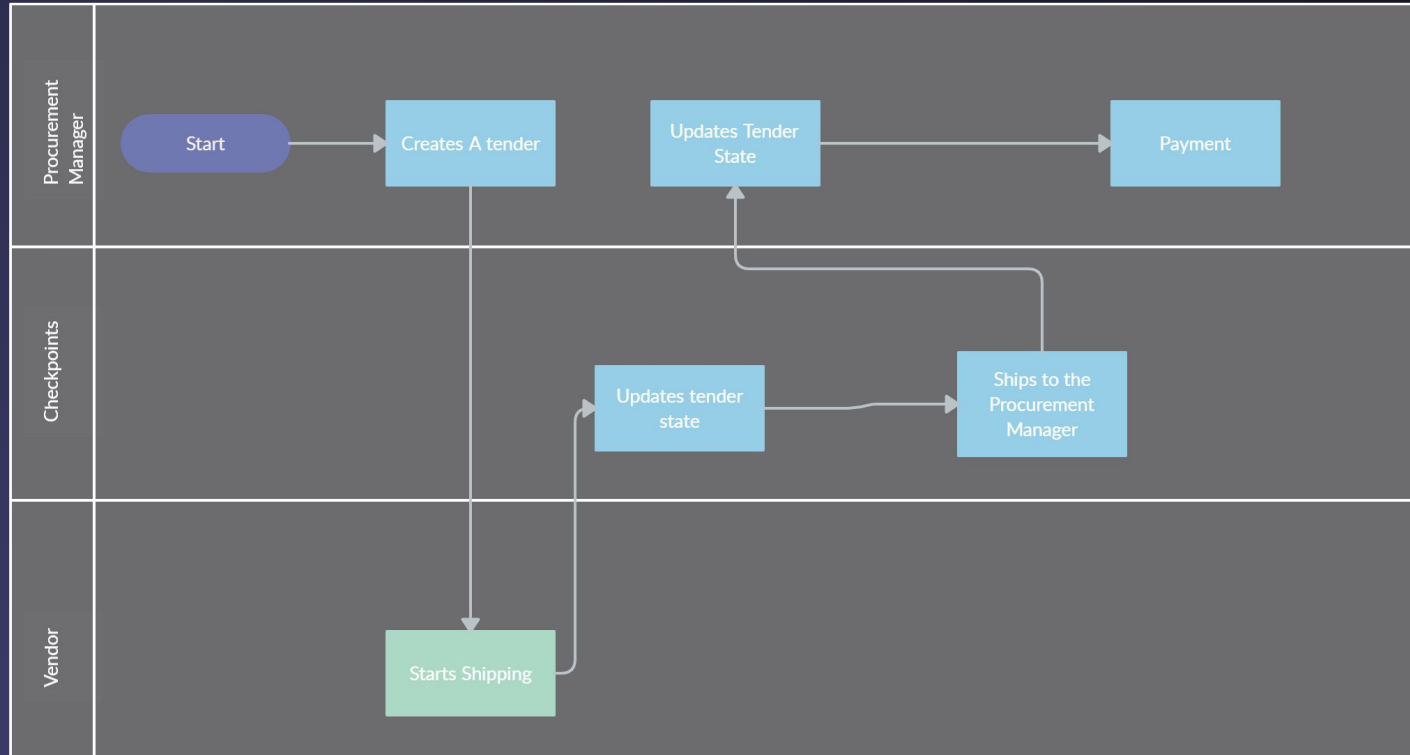
# Use Case Diagrams – Supply Chain



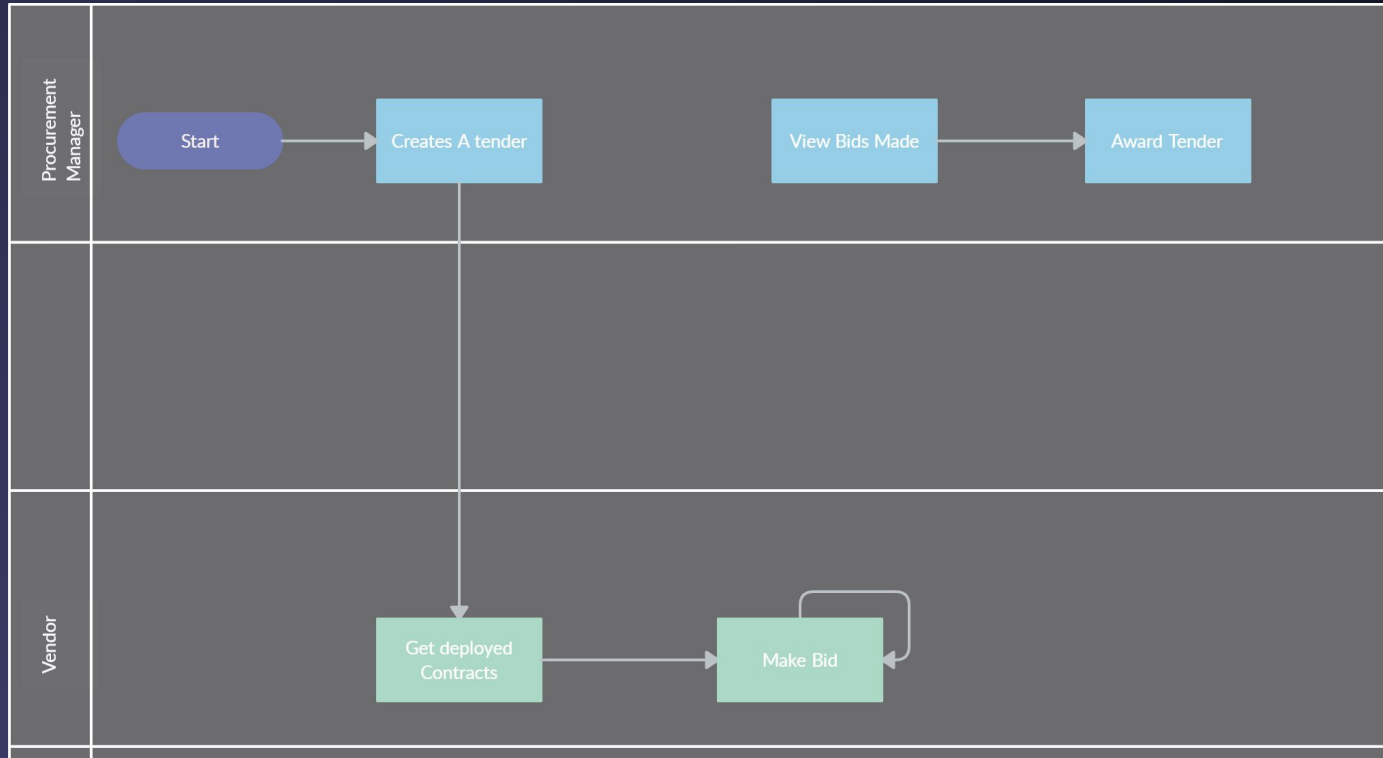
# Use Case Diagrams – Procurement



# Business Process – Supply Chain



# Business Process – Procurement



# Then vs. Now

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## Then



Tenders being compromised by excessive costing and corrupt middlemen. Product delivery is poor quality and takes a long time

Procuring services easier, accessible to all.  
Public can follow up on the tendering process.

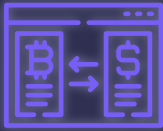


## Now



# Future Enhancements

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## Feedback Mechanisms

Emailing users on certain events



## UI Improvement

Improve product tracking and useful stats in the dashboard



## Machine Learning

Estimate a product's arrival and anomalies in the system

# Thank you!

Do you have any questions?



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