



SeizeChain

An Approach to Secure the
Seizure Procedure

Team 104_Not_Found

Current Scenario

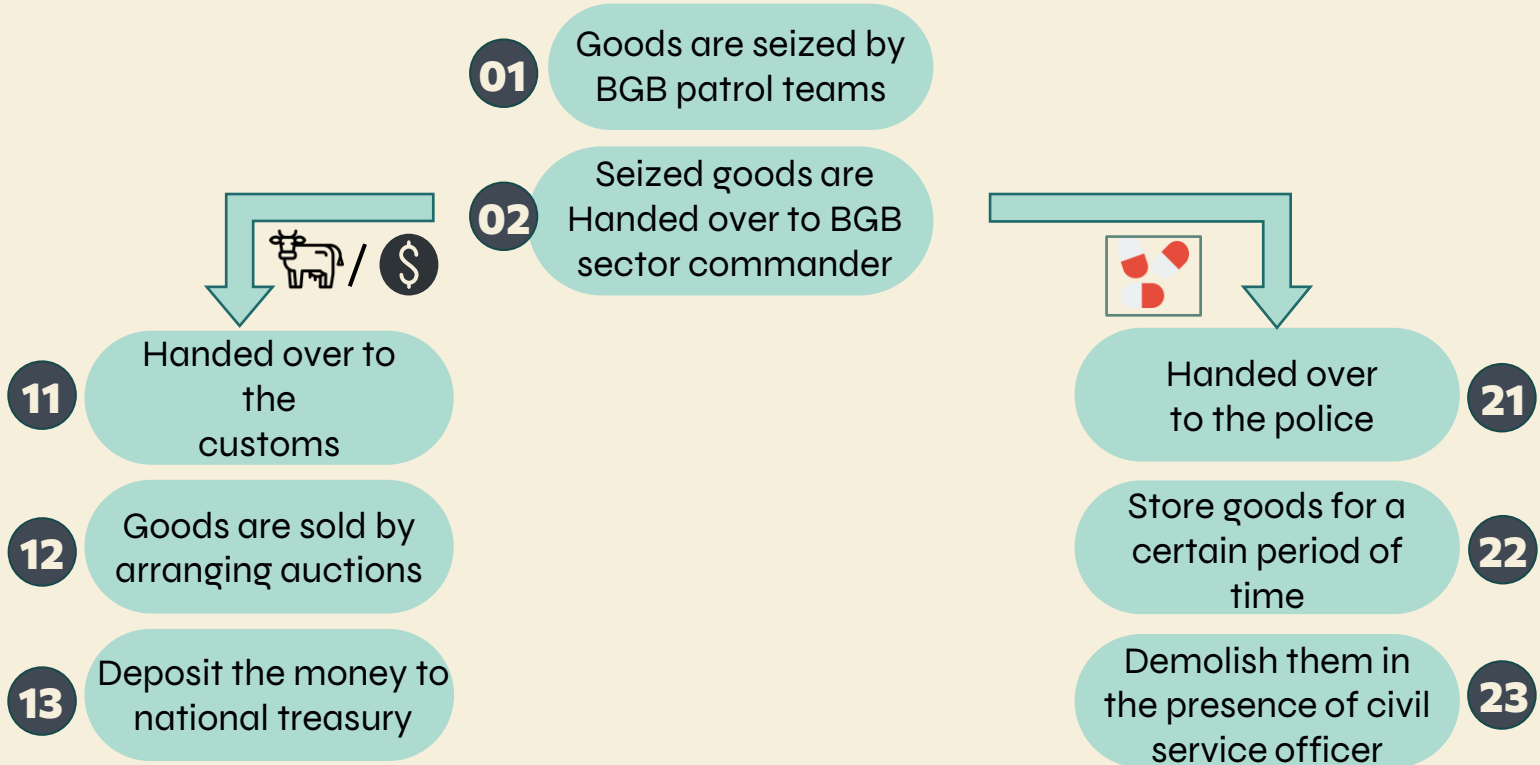
BGB Sets out on patrol. Seize and possibly capture smugglers and hand them over to their sector commander. Based on the goods seized and whether anyone's apprehended or not they are transferred and processed.



confiscated narcotics worth
more than 2 billion BDT

In January 2022

Current Seizure Procedure



Problems



#1

Error prone
record keeping
system



#2

Difficult to
maintain manual
records using pen
and paper



#3

Seized goods and
their records
easy to alter



#4

Difficult to
cross check
records

Partners



BGB

Label seized goods

Add record to the system



**Customs
Officers**

Digitally verify goods

Maintain auction data



**Bangladesh
Police**

Digitally verify goods

Keep criminal records



Magistrate

Digitally verify goods

End the life cycle of a good
after it is demolished

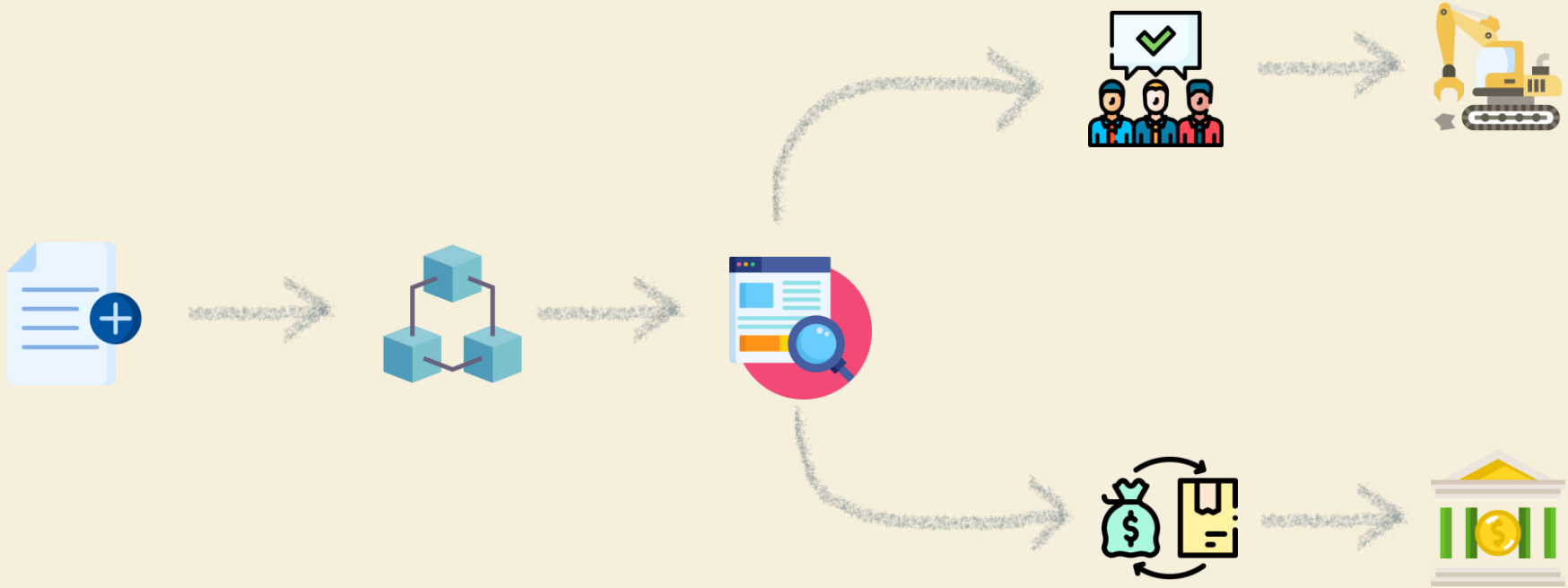


Regulator

Monitor seized goods

Monitor auction money

Our Solution



Why Permissioned Blockchain



Immutability

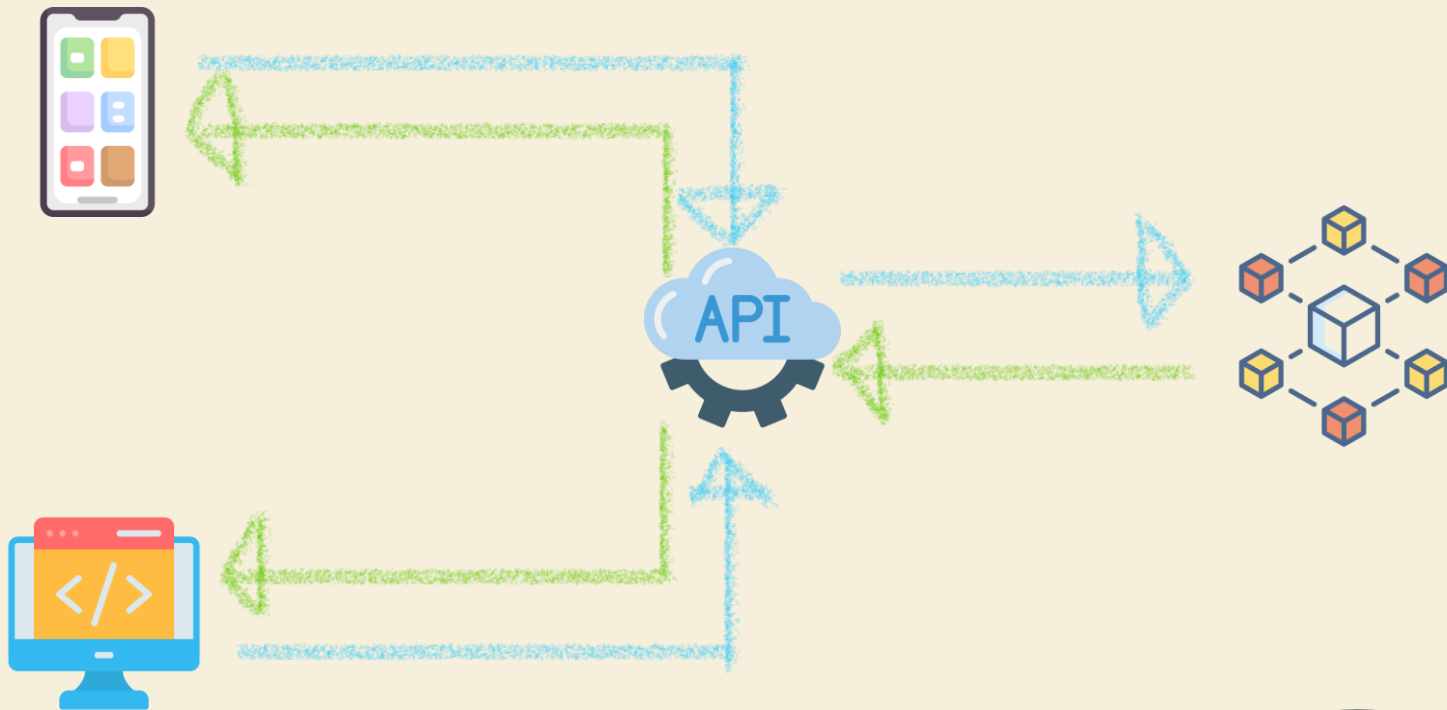


Separate Channel

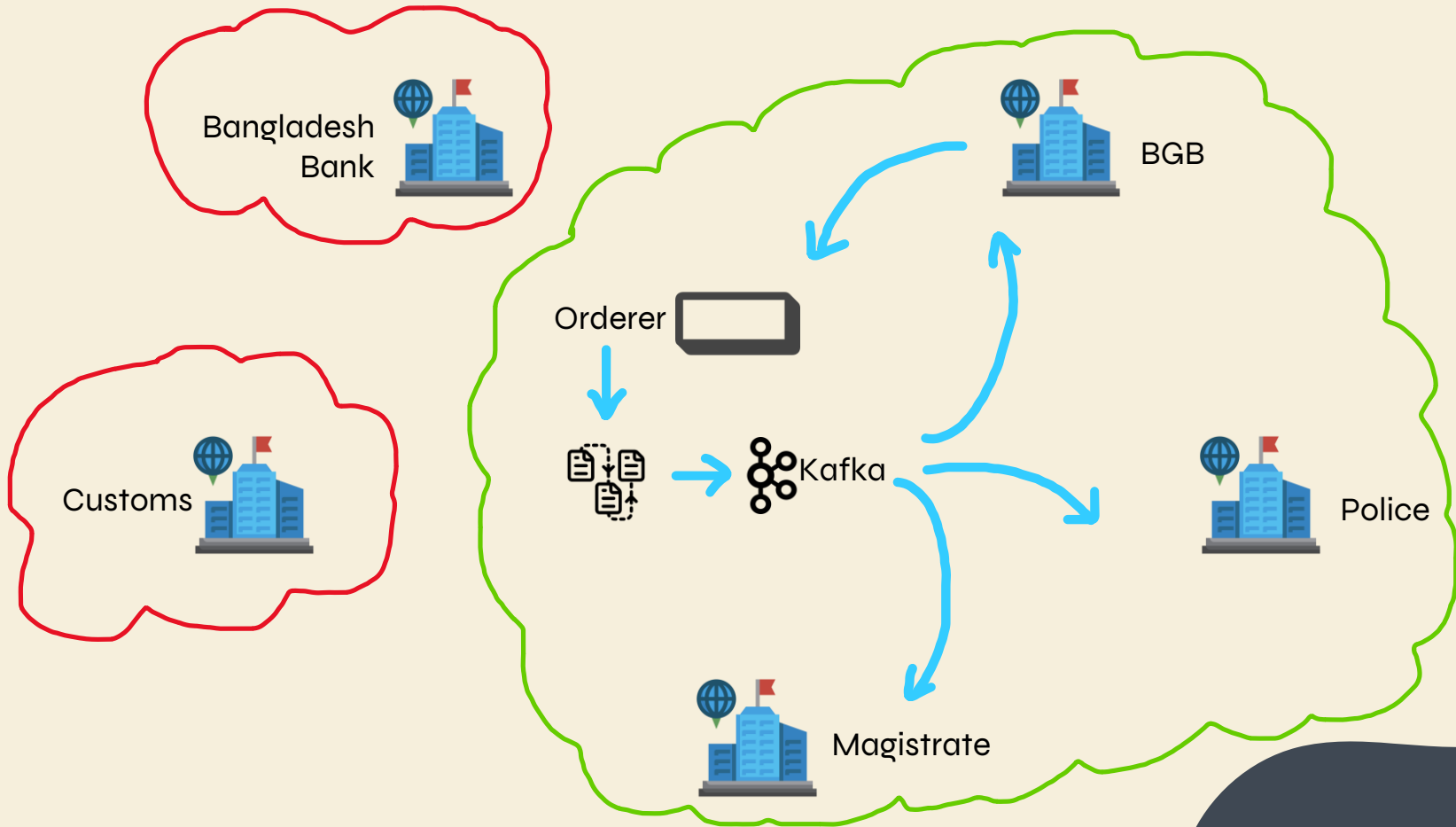


Traceability

Architecture

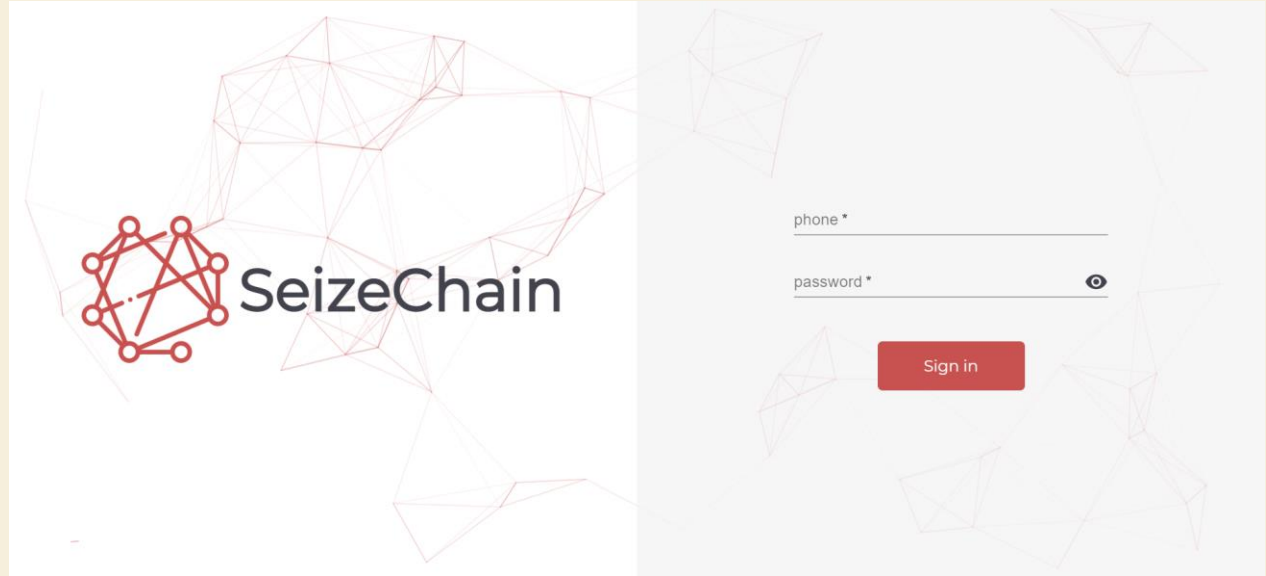


Blockchain Inside Workflow



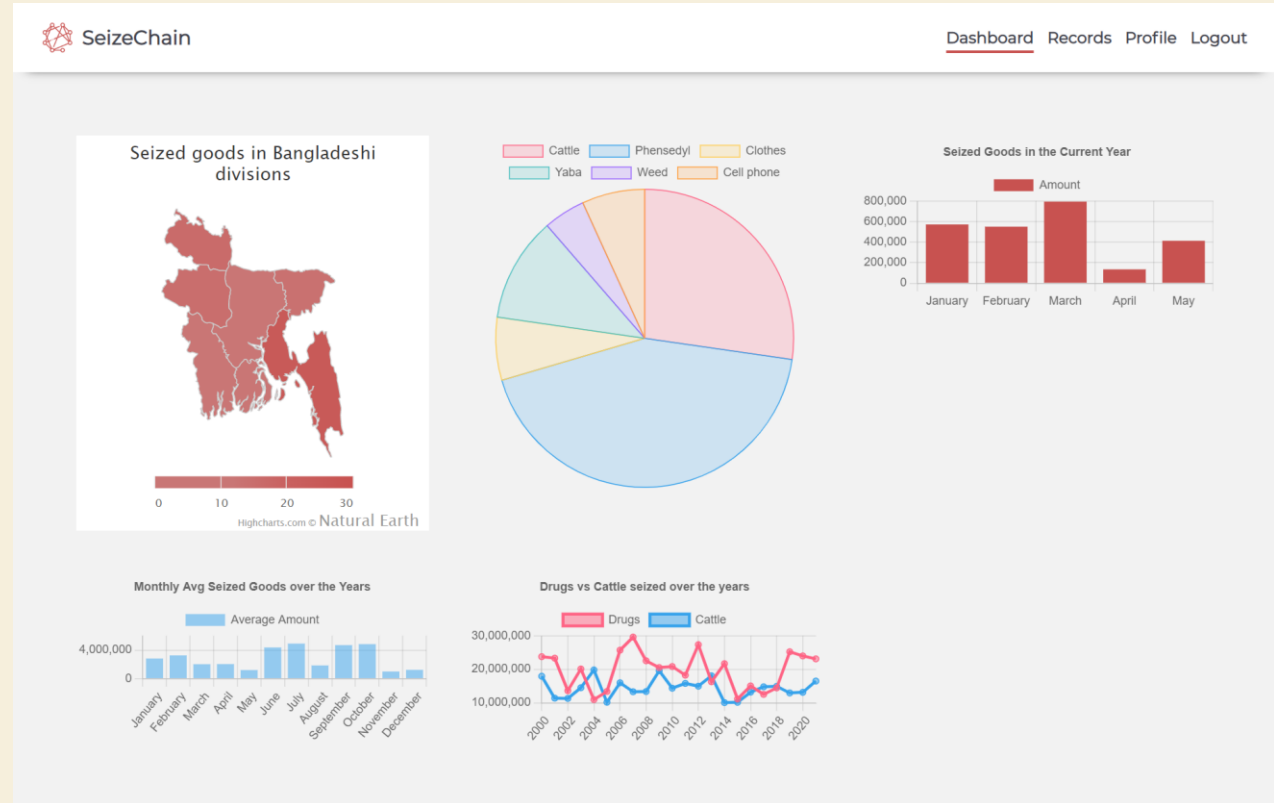
Application Overview

- 01** Entrance to Application
- 02** Analytical Data on Seizure
- 03** Add Genesis Block to system
- 04** Add Data by Patrol party
- 05** Generate QR
- 06** View records



Application Overview

- 01 Entrance to Application
- 02 Analytical Data on Seizure
- 03 Add Genesis Block to system
- 04 Add Data by Patrol party
- 05 Generate QR
- 06 View records



Application Overview

- 01 Entrance to Application
- 02 Analytical Data on Seizure
- 03 Add Genesis Block to system
- 04 Add Data by Patrol party
- 05 Generate QR
- 06 View records

The screenshot displays the SeizeChain application interface. A modal form titled 'CREATE A NEW RECORD' is open, allowing users to add new seizure data. The form includes the following fields:

- Quantity**: A text input field.
- Unit**: A text input field.
- Place of Seizure**: A text input field.
- Seized By**: A text input field.
- Current Owner**: A text input field.
- Smuggler Status**: Radio buttons for ☐ Apprehended and ☐ At large.
- Date of Demolition**: A date picker showing 'mm/dd/yyyy'.

At the bottom of the form are two buttons: **SAVE** (yellow) and **CANCEL** (red).

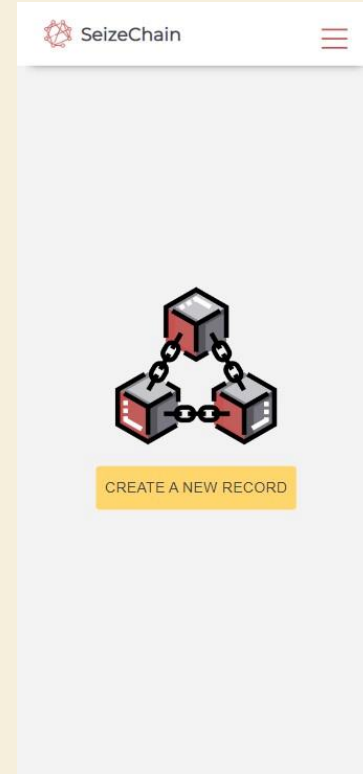
In the background, a table lists existing seizure records:

Date of Seizure	Type of Goods
2019-01-01	Cattle
2019-01-01	Wheat
2019-01-01	Clothing
2019-01-01	Cattle

On the right side of the interface, there is a sidebar with a 'Smuggler Status' section containing a list of statuses: 'At large', 'Apprehended', 'At large', and 'At large'.

Application Overview

- 01** Entrance to Application
- 02** Analytical Data on Seizure
- 03** Add Genesis Block to system
- 04** Add Data by Patrol party
- 05** Generate QR
- 06** View records



Application Overview

- 01 Entrance to Application
- 02 Analytical Data on Seizure
- 03 Add Genesis Block to system
- 04 Add Data by Patrol party
- 05 Generate QR
- 06 View records

A mobile application form for recording seizure data. The form is displayed on a smartphone screen with a dark grey border. It features several input fields and two action buttons at the bottom.

Unit

Place of Seizure

Seized By

Current Owner

Smuggler Status
☐ Apprehended ☐ At large

Date of Demolition

Application Overview

- 01 Entrance to Application
- 02 Analytical Data on Seizure
- 03 Add Genesis Block to system
- 04 Add Data by Patrol party
- 05 Generate QR
- 06 View records



Application Overview

01 Entrance to Application

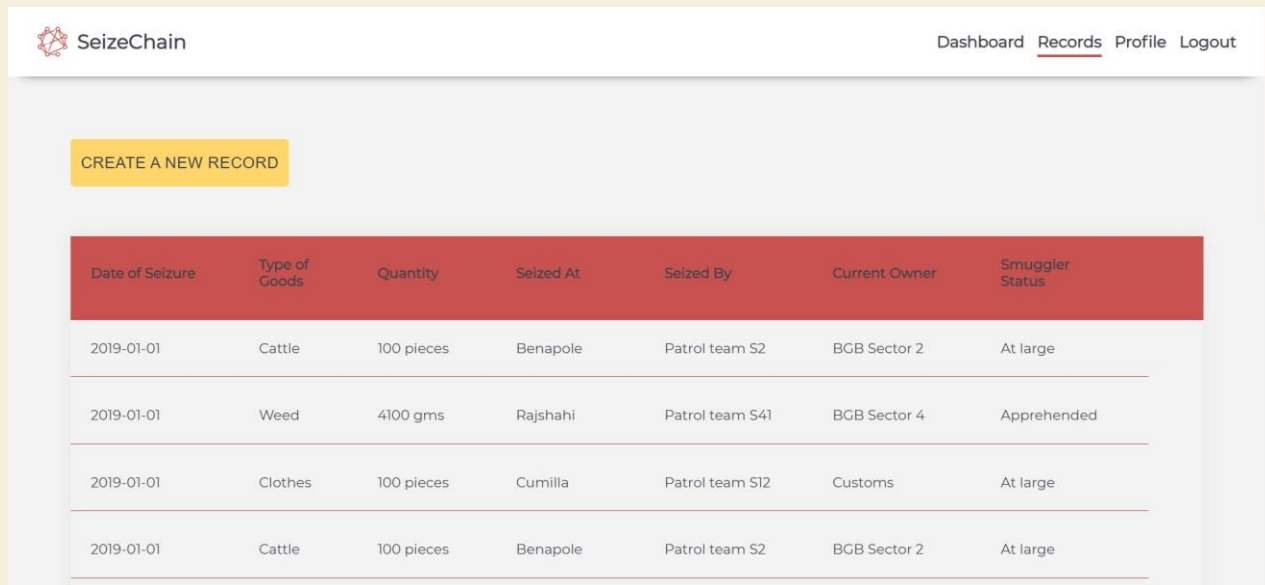
02 Analytical Data on Seizure

03 Add Genesis Block to system

04 Add Data by Patrol party

05 Generate QR

06 View records



The screenshot displays the SeizeChain application interface. At the top, there is a navigation bar with the SeizeChain logo and the text "SeizeChain" on the left, and links for "Dashboard", "Records" (which is underlined), "Profile", and "Logout" on the right. Below the navigation bar, there is a yellow button labeled "CREATE A NEW RECORD". The main content area features a table with seven columns: "Date of Seizure", "Type of Goods", "Quantity", "Seized At", "Seized By", "Current Owner", and "Smuggler Status". The table contains four rows of data, all dated "2019-01-01".

Date of Seizure	Type of Goods	Quantity	Seized At	Seized By	Current Owner	Smuggler Status
2019-01-01	Cattle	100 pieces	Benapole	Patrol team S2	BGB Sector 2	At large
2019-01-01	Weed	4100 gms	Rajshahi	Patrol team S41	BGB Sector 4	Apprehended
2019-01-01	Clothes	100 pieces	Cumilla	Patrol team S12	Customs	At large
2019-01-01	Cattle	100 pieces	Benapole	Patrol team S2	BGB Sector 2	At large

Risk Analysis



Increase corruption
among patrol parties



Partners denying
to use the system



Older officers facing
difficulties using the
system

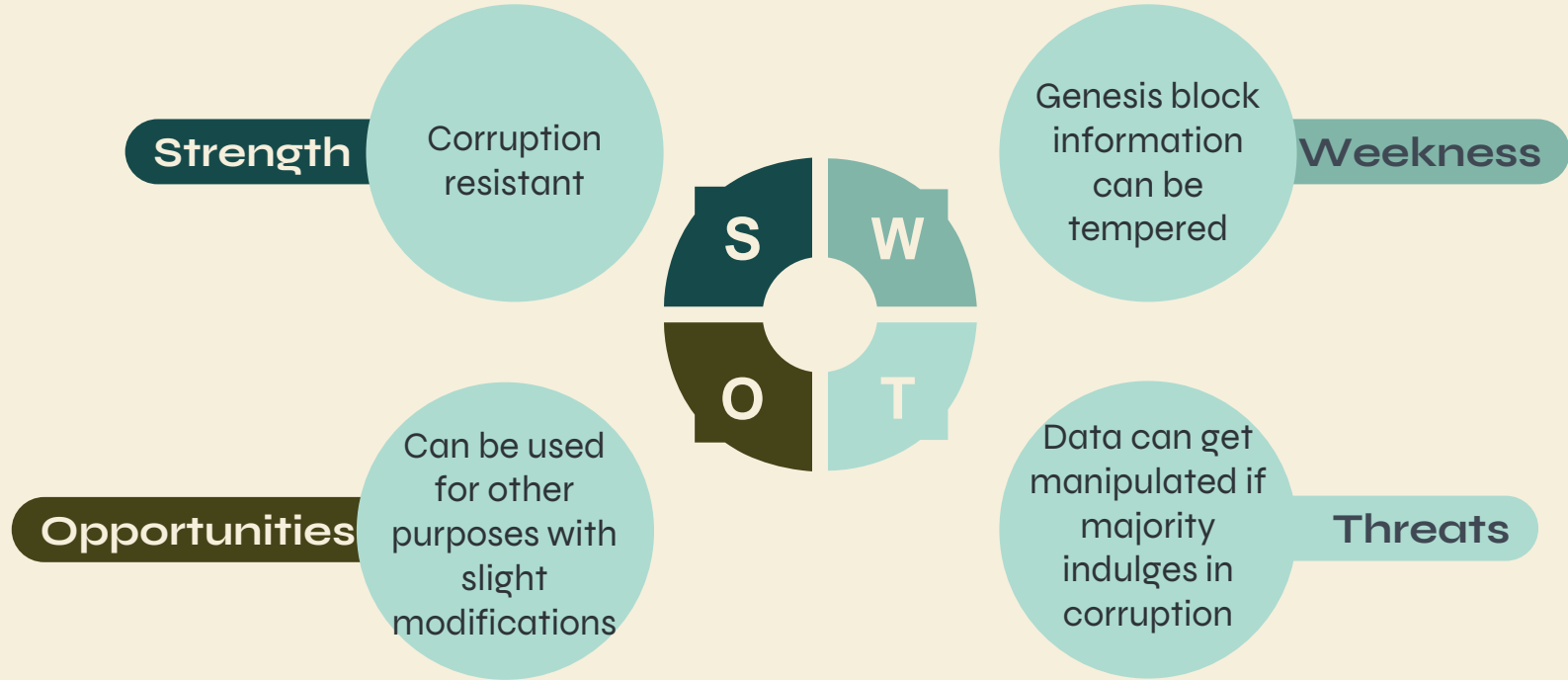


Costing overhead

Action Plan



Business Analysis





Thank you