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Karnataka e-GP Blockchain Project (Vendor Credentials & Bank Guarantee Network)

Overview

- Purpose
- An Overview
- Reason for Blockchain
- Current Status
- Screenshots

Vendor Credentials Network - Purpose

Vendors

- No single place to stack and organize all credentials
- Cost of search is high & time consuming

E-GP Systems

- Handling of Voluminous unstructured data
- Increased cost of maintenance

Procuring Entities

- No standard mechanism to verify the credentials submitted
- Significant investment in verification process

Bank Guarantee Network - Purpose

BANKS DO NOT HAVE A FACILITY TO SUBMIT BANK GUARANTEE IN ELECTRONIC FORMAT

BG SUBMITTED IN PHYSICAL FORM.

VERIFYING AUTHENTICITY OF THE BANK GUARANTEE TAKES TIME

Vendor Credentials Network - Business Process

- A software system that:
  - Identifies a vendor by a unique GID
  - Publishes vendor’s work experience certificates in a central database
  - Retrieve work experiences directly from the central database
  - A mechanism to verify the authenticity of the work experience certificates.

Vendor Credentials & Bank Guarantee Network - Technology

- The following key details will be published as Blockchain records:
  - Vendor's Global ID
  - Work experience certificates
  - Bank guarantee
- The software will enable the e-Government Procurement systems to retrieve the following key records from the Blockchain:
  - Work experience certificates &
  - Bank guarantee
- Ideally, all the e-Government Procurement systems and the Banks have to be onboarded onto the project.

Reason for Blockchain

Trust

Need to bring trust to the data & contents

Collaborative Working –

Allowing individual participants to have their own local replica for ease of processing

Auditability

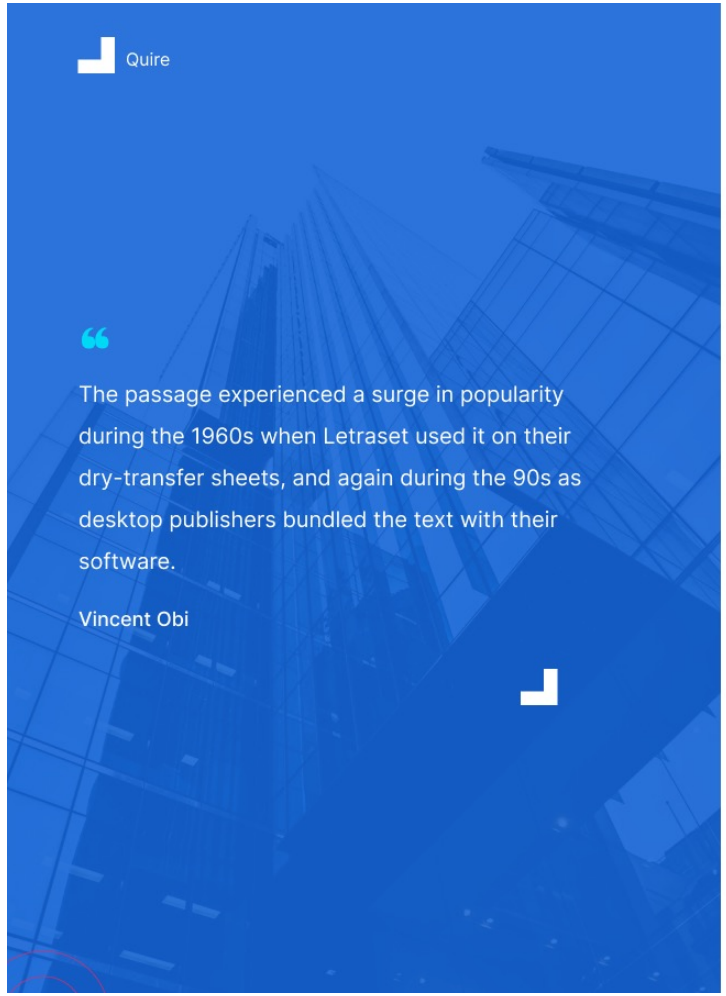
Capability to trace transactions through history

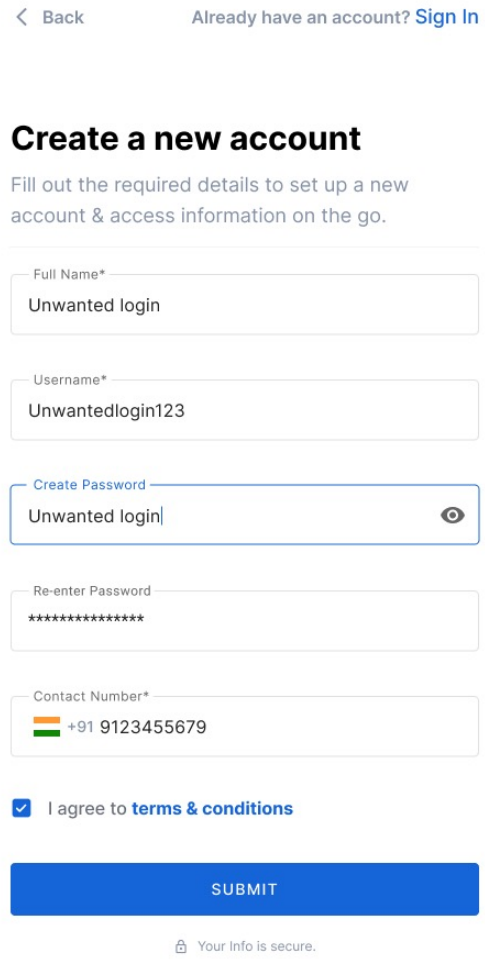
Current Status

- Design is mostly finalized
- Software development of AoC upload in progress
- e-GP registration has commenced
- Soft launch targeted in December 2021
- Roll out planned in the first quarter of 2022

Thank You

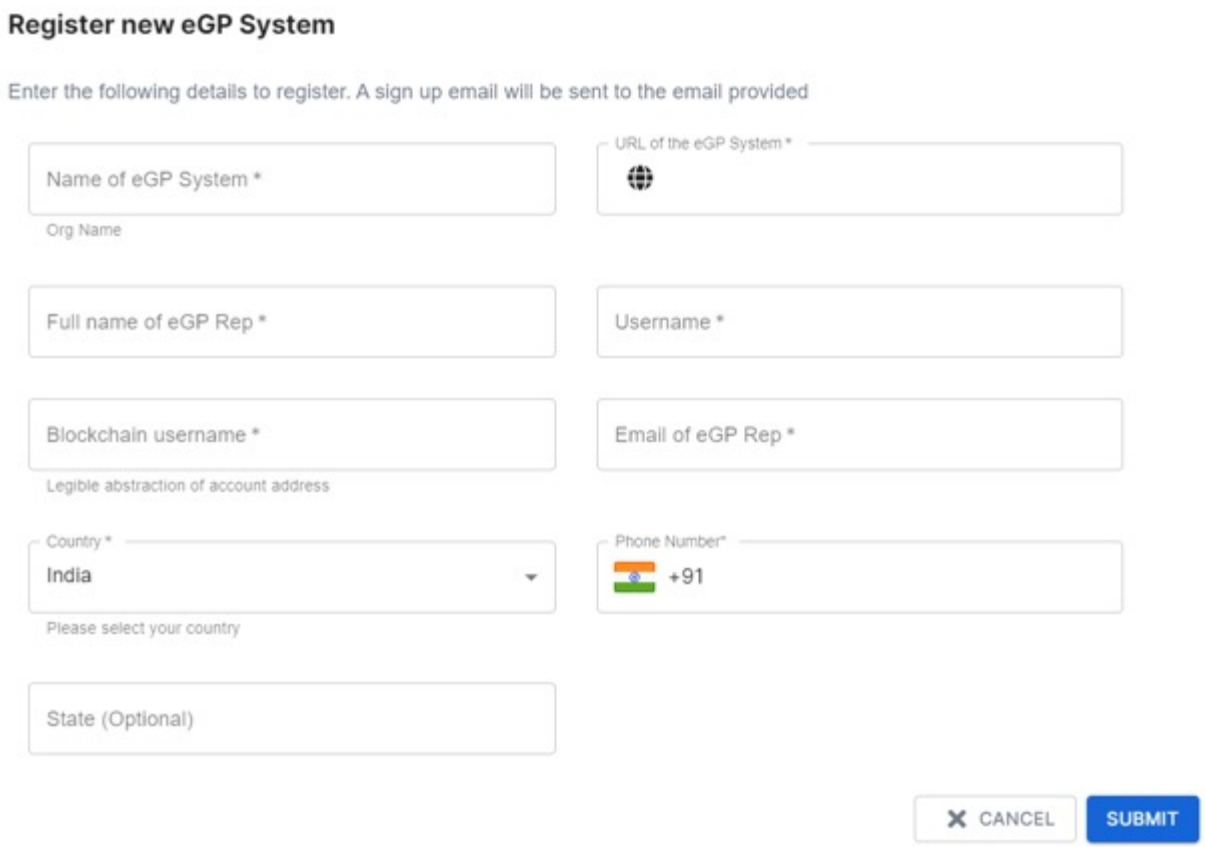
Screenshots





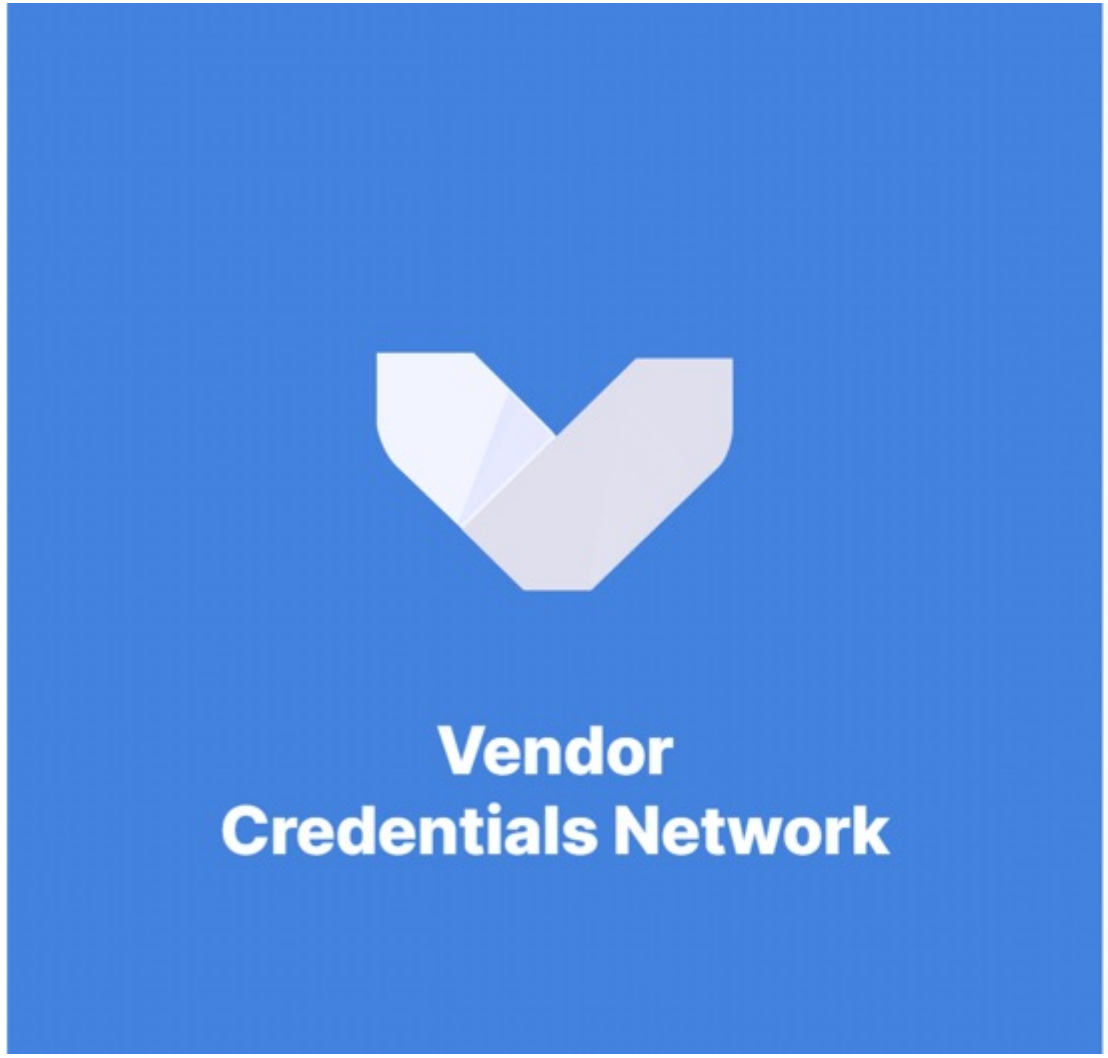
Login by the e-GP system admin for user management

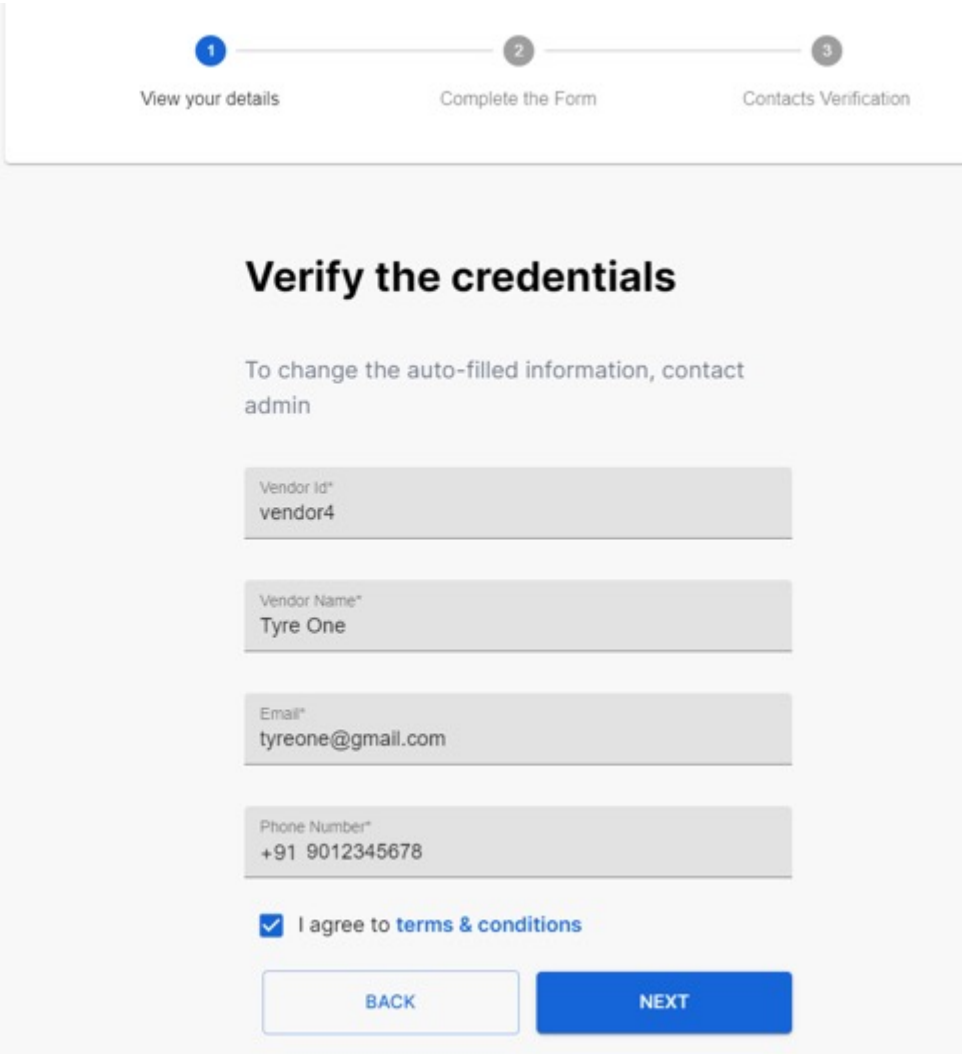
Screenshots



Register a new e-GP System

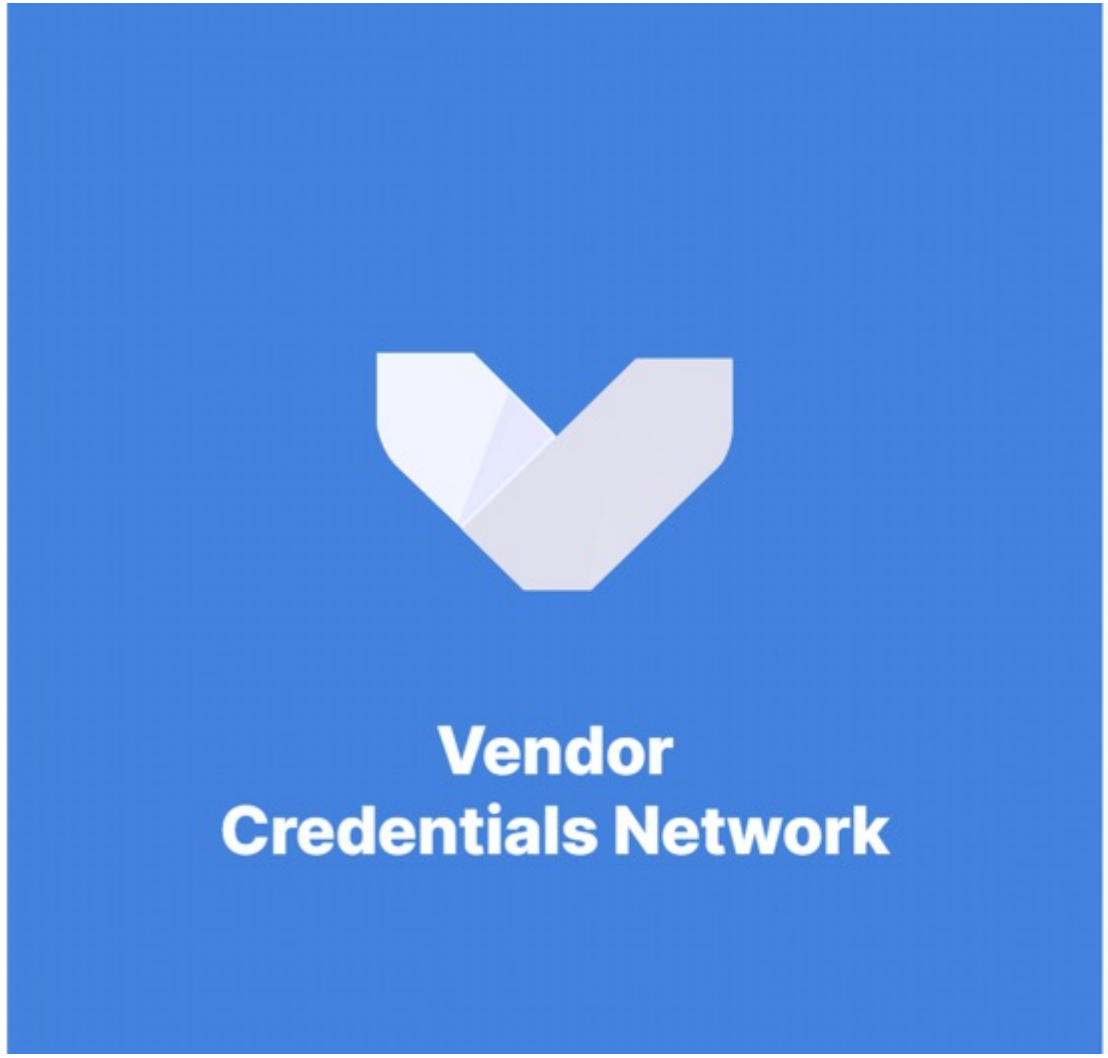
Screenshots

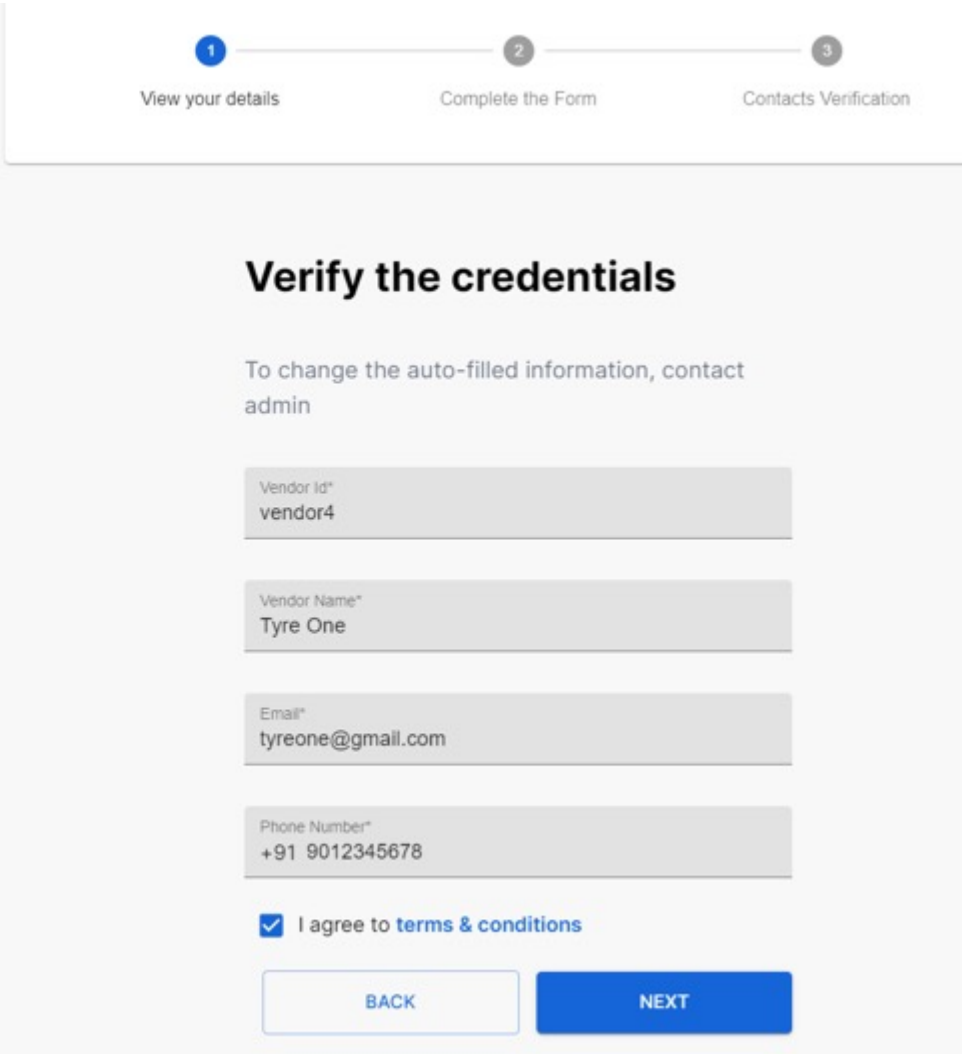




Vendor Registration

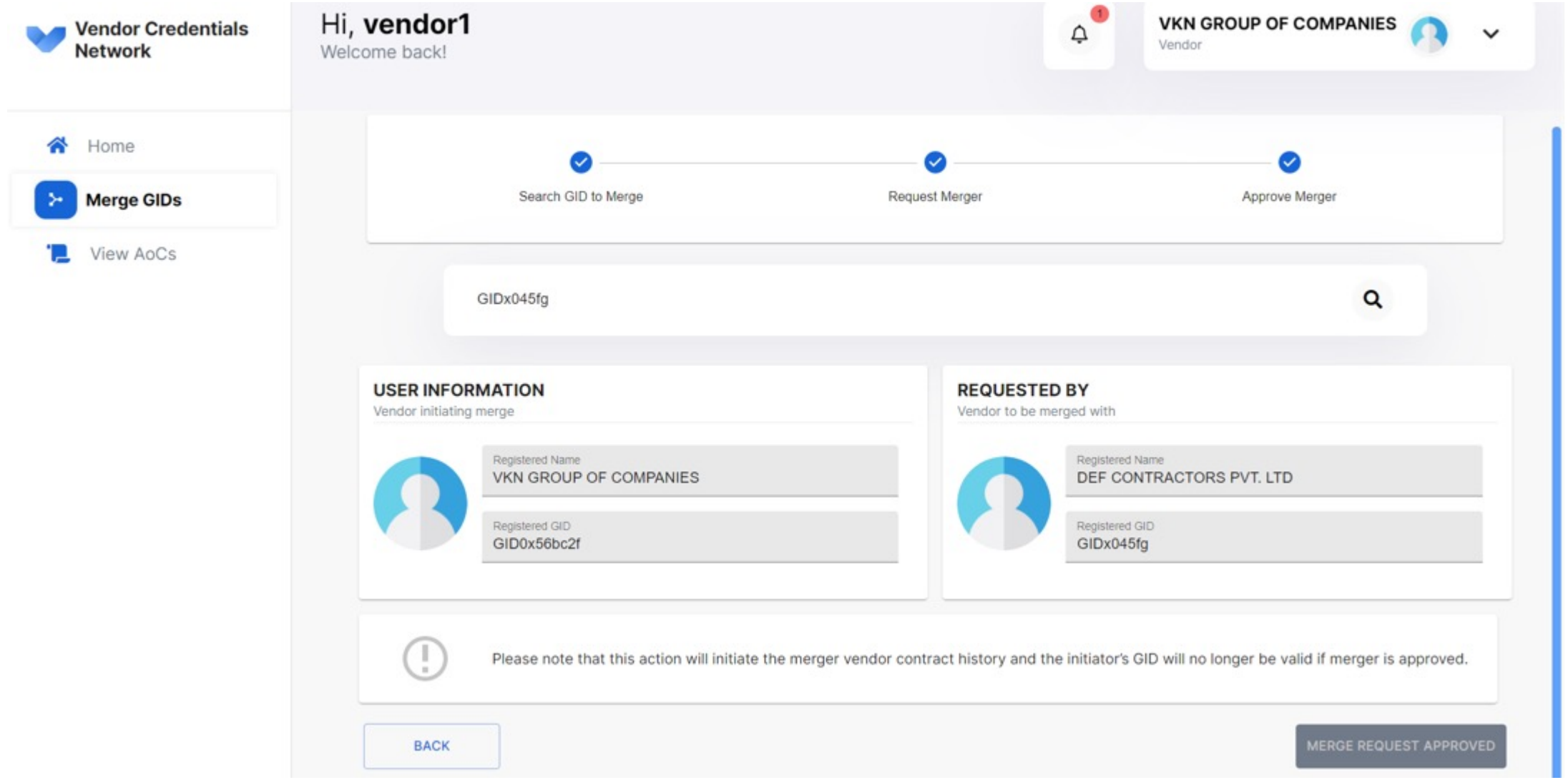
Screenshots





Vendor Registration

Screenshots



GID Merge Request process flow