Sankofa Healthcare Framework
Admin UI

Group 21 Team

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Smriti

The Problem with Health Data

- Hard to share securely and quickly
- Hard to control access to
- Stored in multiple different places, in different formats

Smriti

The Solution

A blockchain-based system for storing healthcare data, with tight access control and encryption.
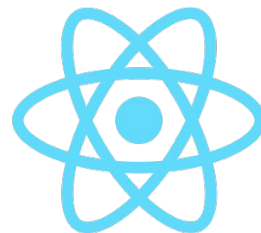
Shivansh

Planning

- Requirement Gathering
- AGILE Methodology
- Start Design

Shivansh

Requirements Analysis

- Carbon UI
- REACT JS
- Decent Hardware

Isaac

Requirements Analysis (Cont.)

Level of Management:

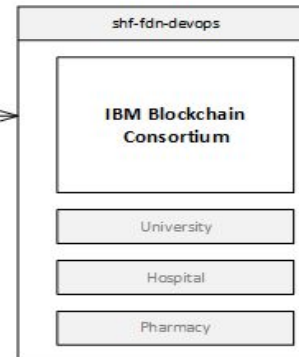- Administrators
- Members
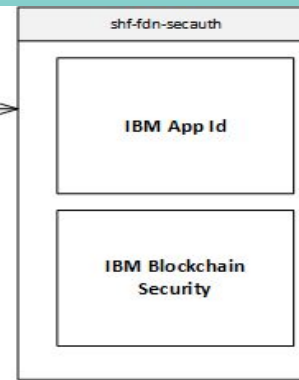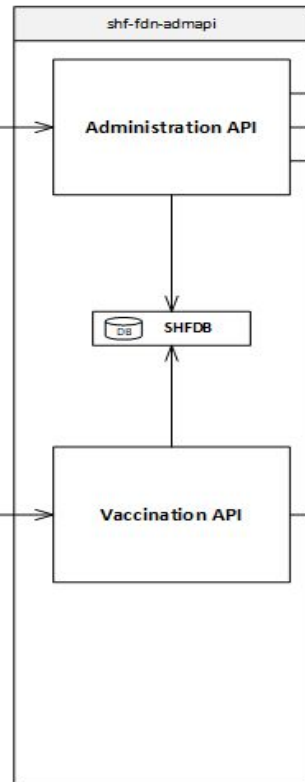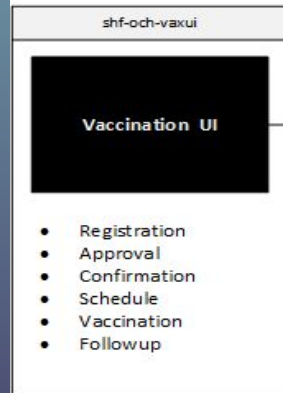- Organisations

Level of credentials

Isaac

Design

Overall System
Architecture

N-Tier
Architecture

Maham

shf-fdn-secauth

IBM App Id

IBM Blockchain Security

Personas:
- Super Admin
- SHF Admin
- Org Admin
- Member

shf-och-admui

Administration UI
- Login
- Organization
- Member
- Authorization

shf-fdn-admapi

Administration API

SHFDB

shf-fdn-chain

IBM Blockchain Chain Code Smart Contract

shf-och-vaxui

Vaccination UI
- Registration
- Approval
- Confirmation
- Schedule
- Vaccination
- Followup

Vaccination API

shf-fdn-devops

IBM Blockchain Consortium

University

Hospital

Pharmacy

https://www.hl7.org/fhir/immunization.html

Maham
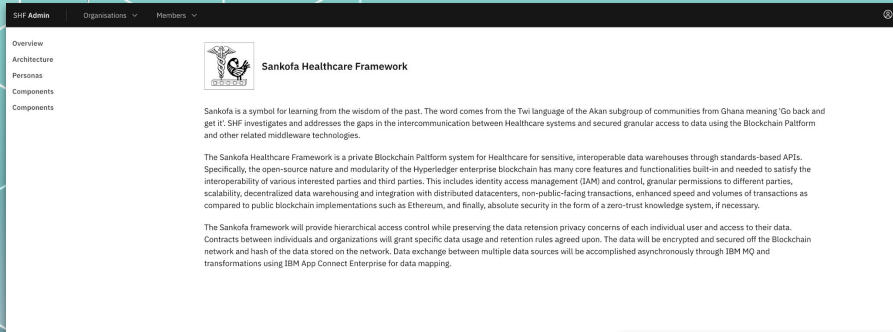
Dashboard
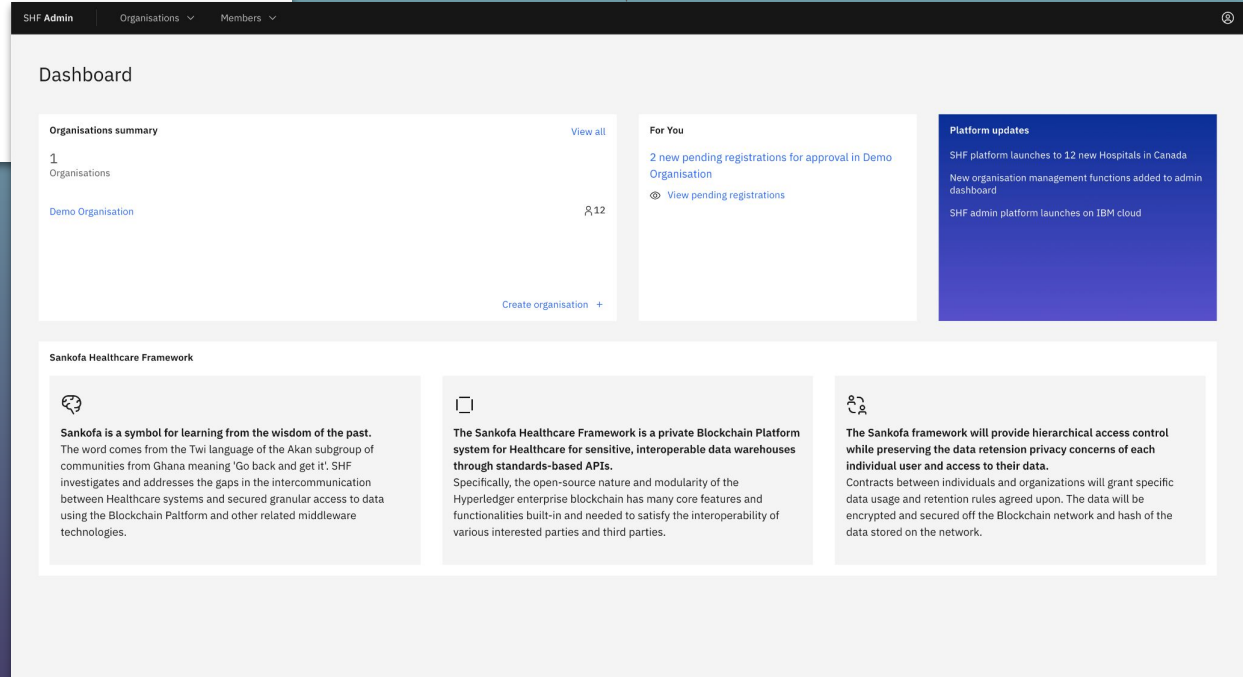
Manage Organisation

Demo Organisation 1

First Name	Last Name	Email	Type	Status
Nanna	Pedersen	nanna.pedersen@example.com	Student	active
Sarah	Oliver	sarah.oliver@example.com	Registered Nurse	active
Özkan	Tekelioğlu	özkan.tekelioğlu@example.com	Student	active
Angela	Newman	angela.newman@example.com	Student	active
Buse	Dağdaş	buse.dağdaş@example.com	Student	active
Judith	Schmitz	judith.schmitz@example.com	Student	active
Hector	Guerrero	hector.guerrero@example.com	Registered Nurse	active
Carsta	Rocha	carsta.rocha@example.com	Student	active
Irene	Morales	irene.morales@example.com	Student	active
Laly	Da silva	laly.dasilva@example.com	Student	active

Maham

Implementation

Live demo

- Logging in
- Dashboard
- Managing Organisations
- Viewing an Organisation
- Managing Members

Flynn

Who would use the Admin UI?

- Hospitals

- Pharmacies

- Universities

- Clinics

- Governments

- Laboratories

Mikhail

Who is it for?

Administrators

Members

Officials

Why would someone use the Admin UI?

- Adding new employees and removing old ones

- Auditing access to the system

- Adding new organisations

- Approving requests to join an organisation

- Updating organisation information

- Updating user privileges (*future*)

Mikhail