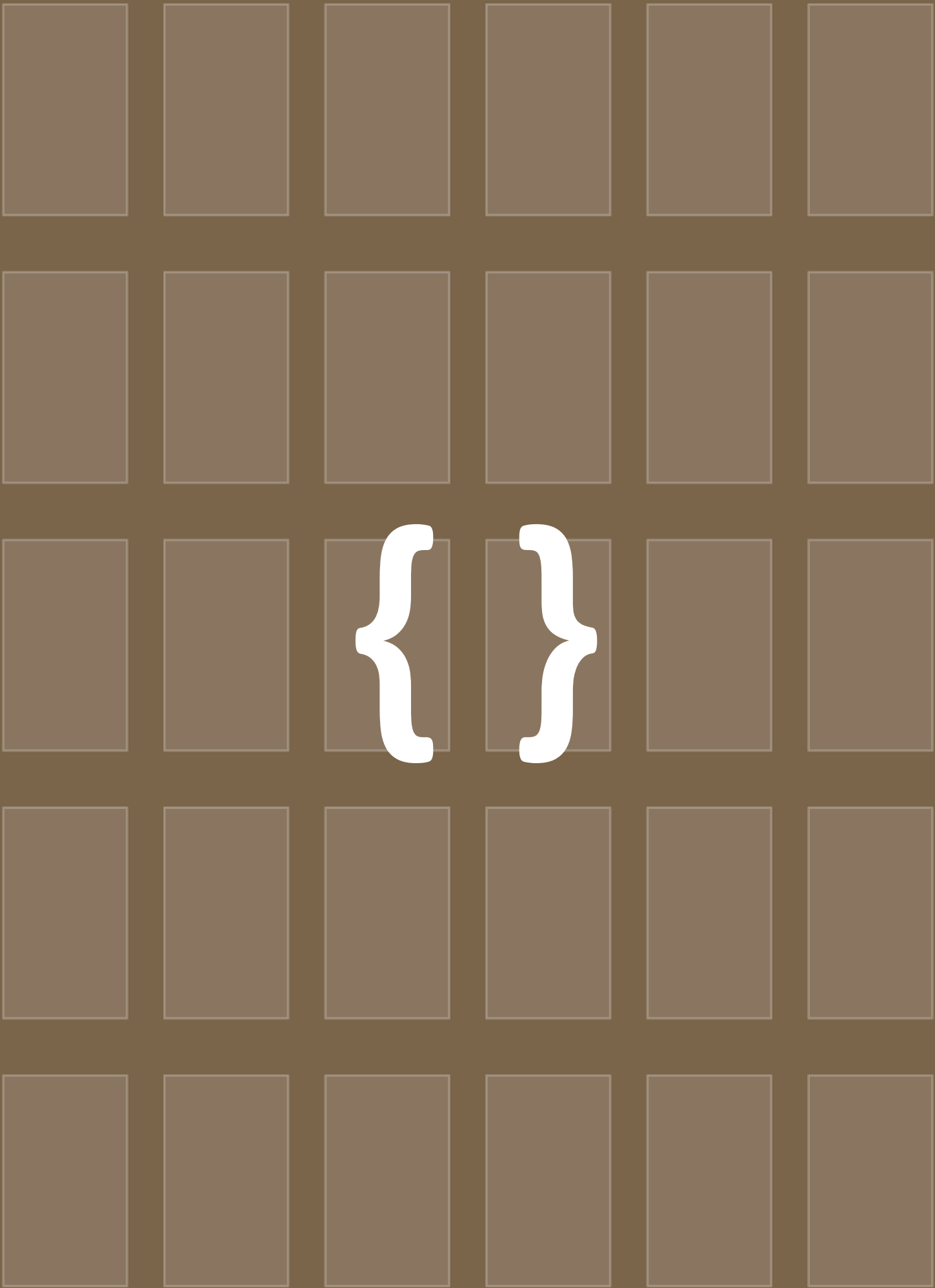


CodeForge

Policy-as-Code. Compliance by Default.

Automating Government Compliance Through AI



A System Built on Interpretation

Government digital services struggle to consistently interpret, implement, and prove compliance with technical policies.



Dense & Ambiguous Policies

Documents are too technical for business users to extract clear action points



Translation Gap

Misalignment between business and technical teams leads to wrong implementations



Inconsistent Compliance

Different entities implement the same policy in different ways



Long Development Timelines

Lack of technical specialists causes compliance work to take weeks or months, or heavy reliance on external vendors



Audit Burden

Entities don't know how to self-evaluate, creating back-and-forth with auditors



No Continuous Compliance

Compliance is point-in-time, not ongoing, thus, gaps emerge after every update

Introducing CodeForge

From Policy to Code — Automatically.

CodeForge is an AI-powered platform that enables UAE government entities to stay automatically compliant with technical regulations. Powered by reasoning models and AI coding agents, it bridges the gap between policy documents and deployed code.

01

Policy Intelligence



Reasoning models extract clear, simple action points from complex government policies, bridging the understanding gap between business and technical users.

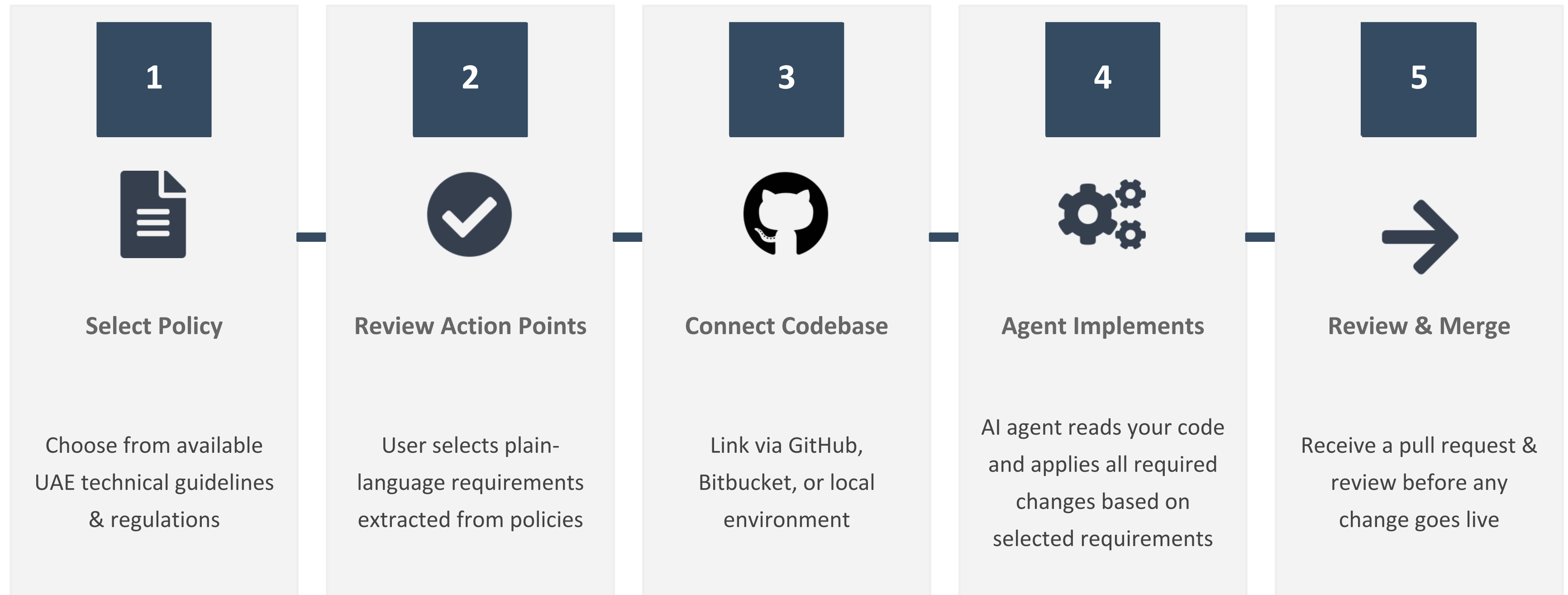
02

AI Coding Agents



Autonomous agents connect to your codebase (GitHub, Bitbucket, or local), understand your implementation, and apply all required compliance changes automatically.

Five Steps from Policy to Implementation



Note -- Human-in-the-Loop Enforced: No code change takes effect without user review and explicit approval.

5 Identified Use Cases.

01 UAEPass Login Authentication

Tested & Validated

02 UAE Design System (DLS)

Tested & Validated

03 API First Policy

Tested

04 UAE Accessibility Policy

Identified

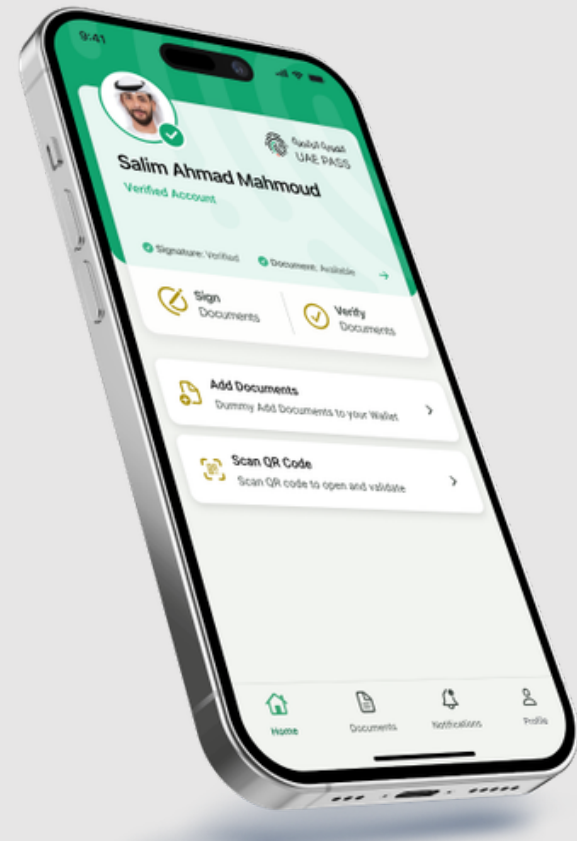
05 Digital Vault Integration

Identified

Any UAE technical regulation that requires development implementation can become a CodeForge use case.

It Works. We Proved It.

UAEPass Authentication Flow

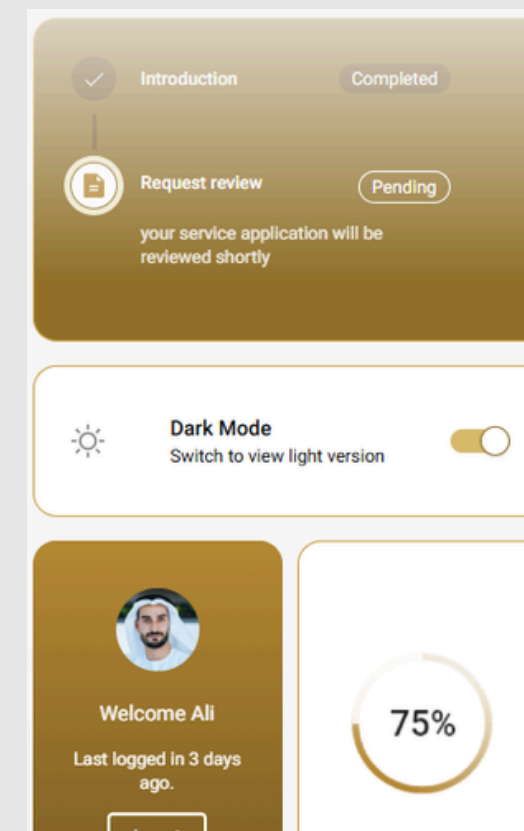


Implemented the complete UAEPass authentication integration automatically. What typically requires a week of developer work — reading the spec, understanding flows, writing integration code — was completed in 30 minutes. Results were validated directly by the UAEPass team.

30_{min}

vs. 1 week of dev

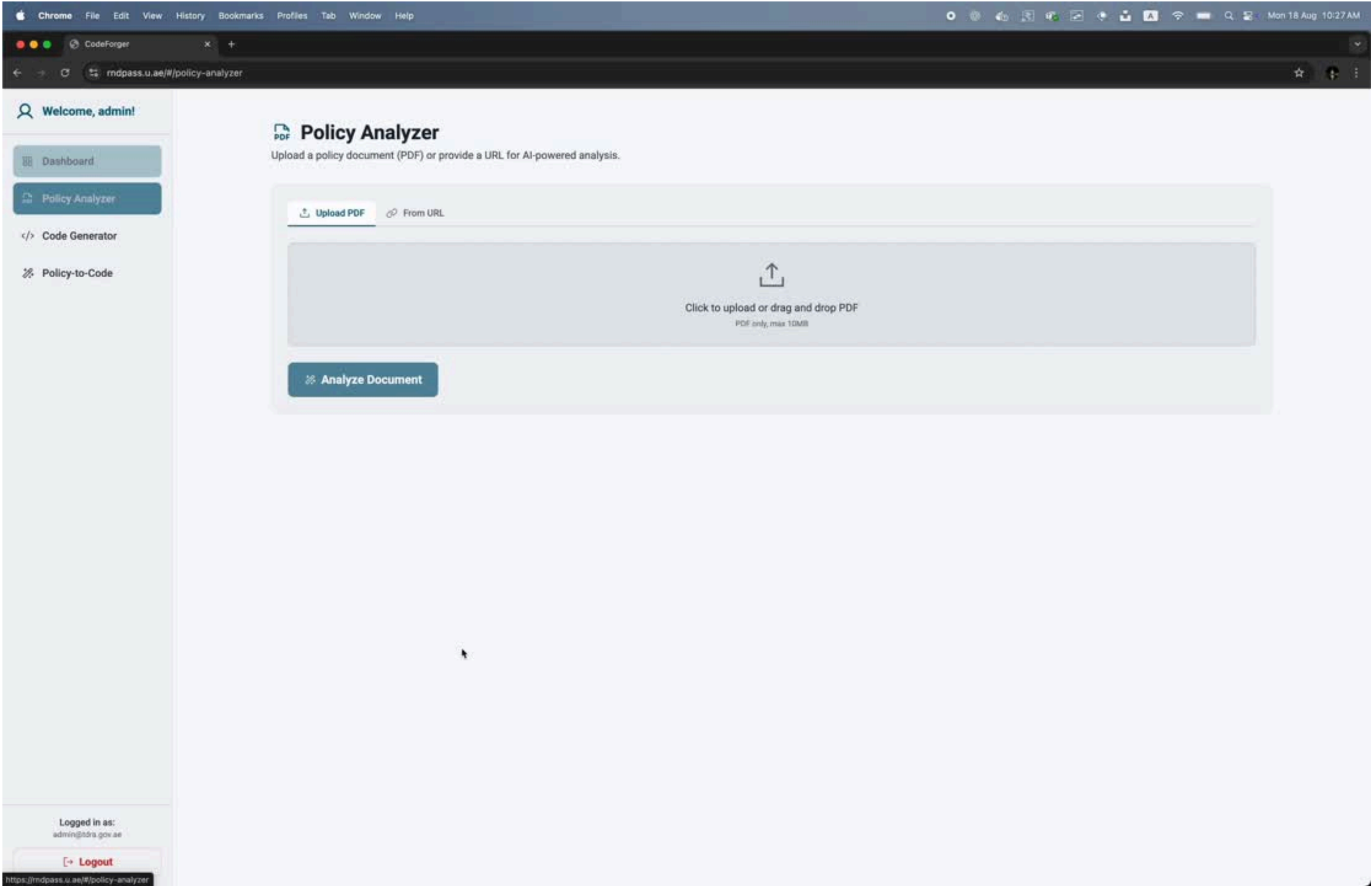
UAE Design System (DLS) Guidelines

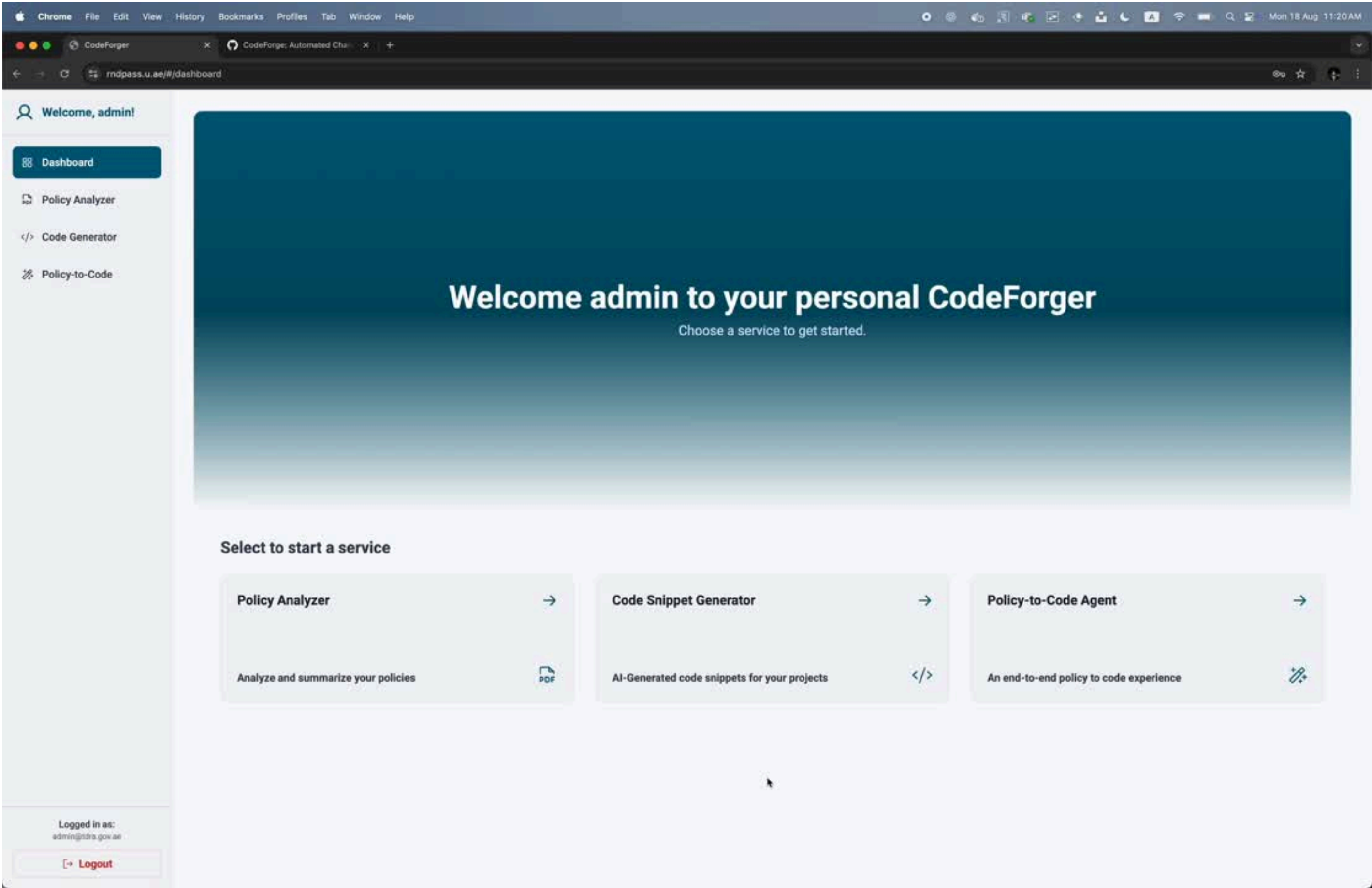


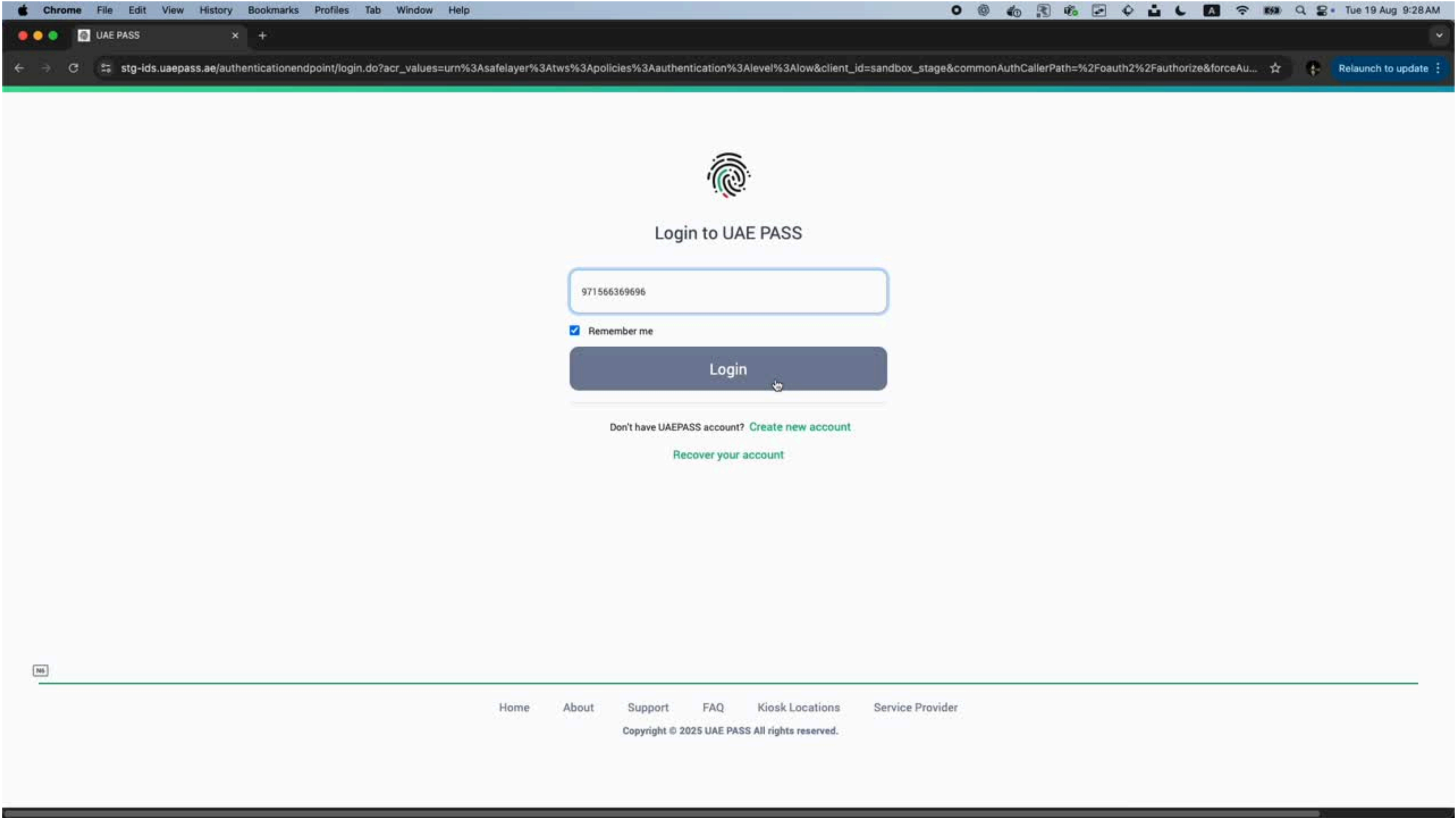
Applied DLS compliance (colors, typography, component styles) to an internal IT project that was non-compliant. The AI agent understood the existing codebase and transformed the entire UI to meet UAE government design standards in under an hour.

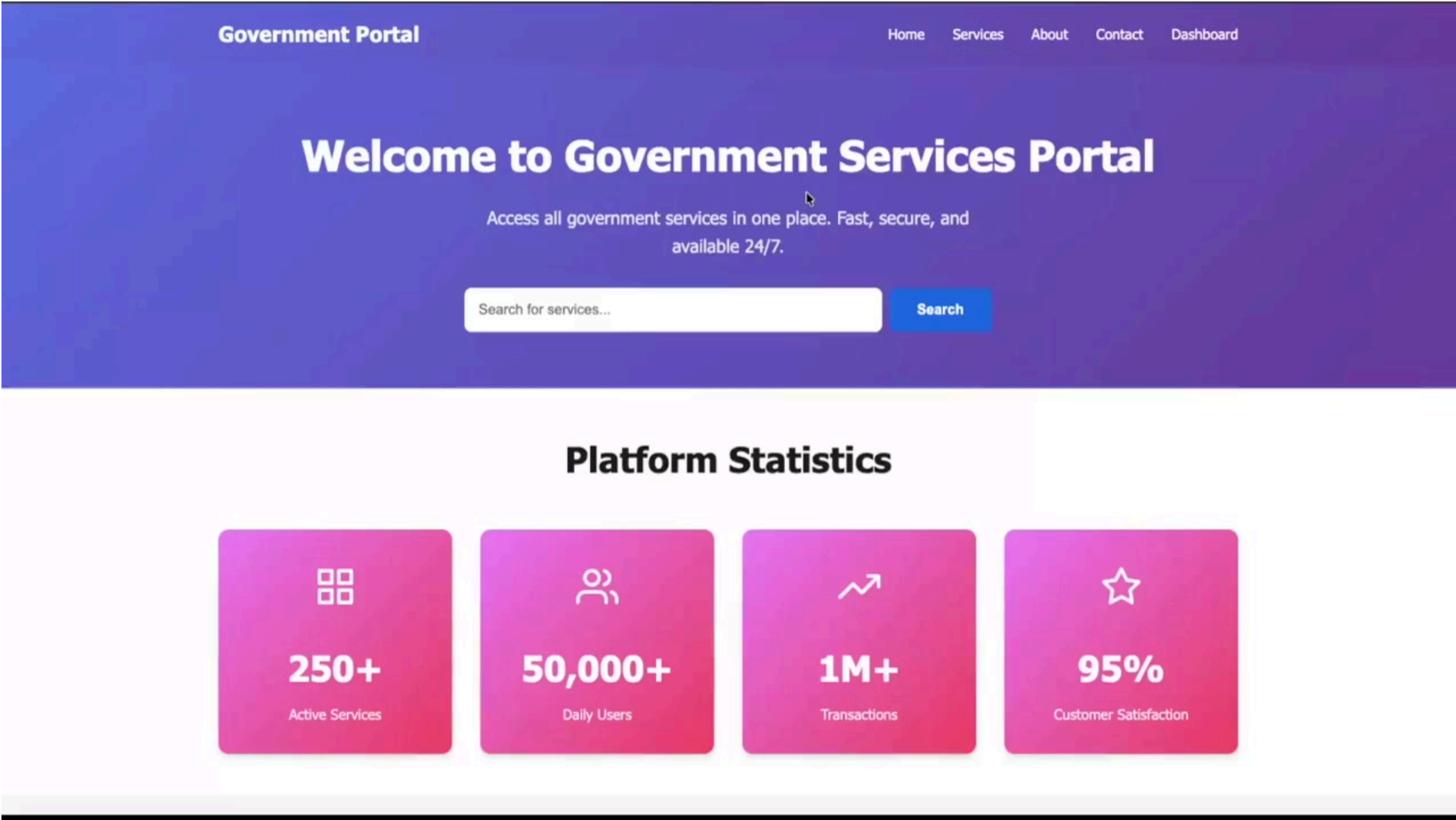
40_{min}

vs. 3+ days of dev









Government Portal

HomeServicesAboutContactDashboard

Welcome to Government Services Portal

Access all government services in one place. Fast, secure, and available 24/7.

Search

Platform Statistics

250+

Active Services

50,000+

Daily Users

1M+

Transactions

95%

Customer Satisfaction

Featured Services

Business Services

Register and manage your business licenses and permits online.

Visa Services

Apply for residence visas and work permits with ease.

Transport Services

Manage your vehicle registration and driving license.

How This Changes Digital Government

Not just faster compliance, but a fundamental shift from rule-as-code to policy-as-code. We codify policies that require human logic and interpretation, not just static rule blocks.



Dramatic Time Reduction

Implementation timelines cut from weeks to minutes. Frees specialist capacity for higher-value work.



Consistent Compliance

Every entity interprets and implements the same policy the same way, eliminating inconsistencies.



Automatic Compliance

Compliance becomes continuous, not point-in-time. Entities stay aligned and compliant through every policy update.



Reduced Audit Friction

Full visibility into what's required, what's done, and what needs action leads to less back-and-forth with auditors.

Policy-as-Code ———— ”

We go beyond rule-as-code. CodeForge interprets policies that require human judgment and custom implementation, generating contextually correct code, not static templates.

What Comes Next?

Vision

1. To contribute and be a part of the UAE's Regulatory Intelligence Ecosystem.
2. To increase overall compliance rate of digital government services in the UAE.



Next Steps

1. Productize the proof-of-concept.
2. Increase number of use cases and onboarded policies.
3. Add self-evaluation feature to cater to auditor's & policy-makers needs.

Thank You
