

TEAM CTRL-ALT-ELITE TEAM MEMBERS

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SOLUTIONS

FINSURE

A regulation RAG and context-aware testing solution with agentic Al

Features:

- Regulations Knowledge Database and RAG **Pipeline**
- Context aware Test Function Generator and **Executor Pipeline**
- Context-aware Test API Requests Generator and Executor Pipeline (API agnostic)
- Al Agents for Ul Automation



PaymentAPI Defender

GenAl helps create scenarios to test the robustness of our partner Payments systems, with explanations of failure that can be understood by all stakeholders



CodebaseDefender

An intelligent agentic system for testing your code - armed with knowledge of all compliance requirements, as soon as they become available



Agentic-UI Tester & PromptDefender

Automatic natural language testing of UI components Automatic checking of Chatbots for data security and data loss prevention







VSCode Plugin

Python package

CLI Tool







Regulatory Compliance VectorDB(Elasticsearch)



CreditEngineDefender

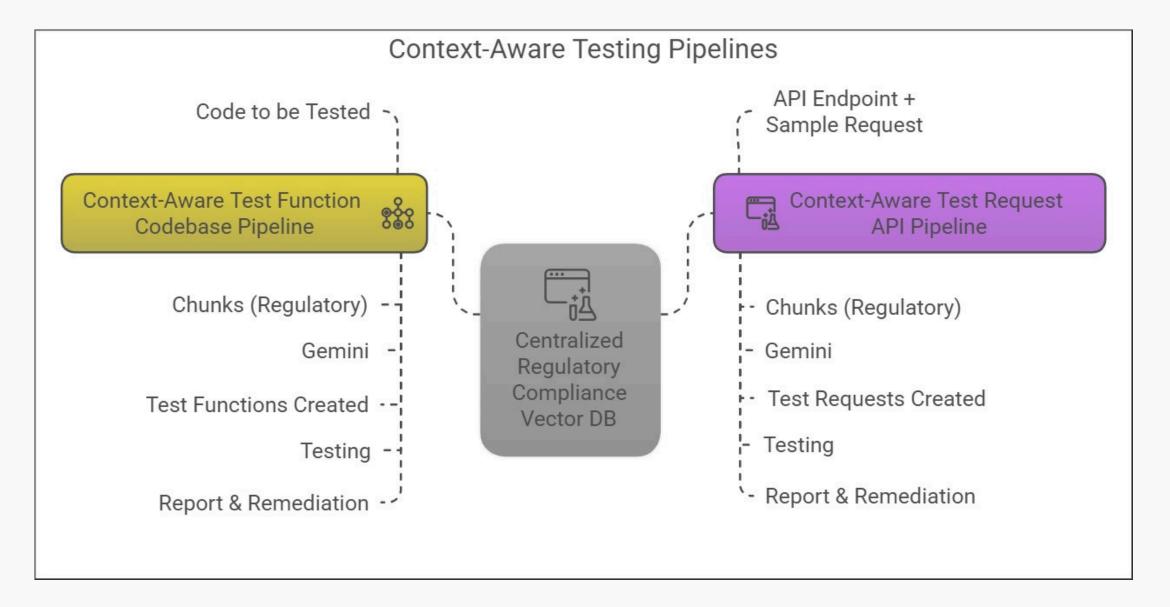
GenAl helps simulate different personas to automatically test Loan and Credit risk assessment models for reliability and fairness



Plug and Play Workflows for **Enterprise Pipeline**

All solutions, immediately avaiable in Github Actions for seamless integration with our new Enterprise Pipeline

CONTEXT-AWARE TESTING PIPELINE



Regulations Knowledge Database and RAG Pipeline

Tech stack: Elastic search

Context aware Test Generator and Executor Pipeline Codebase-defender

(SOX, KYC, AML focused test functions) Tech stack: Java and Gradle

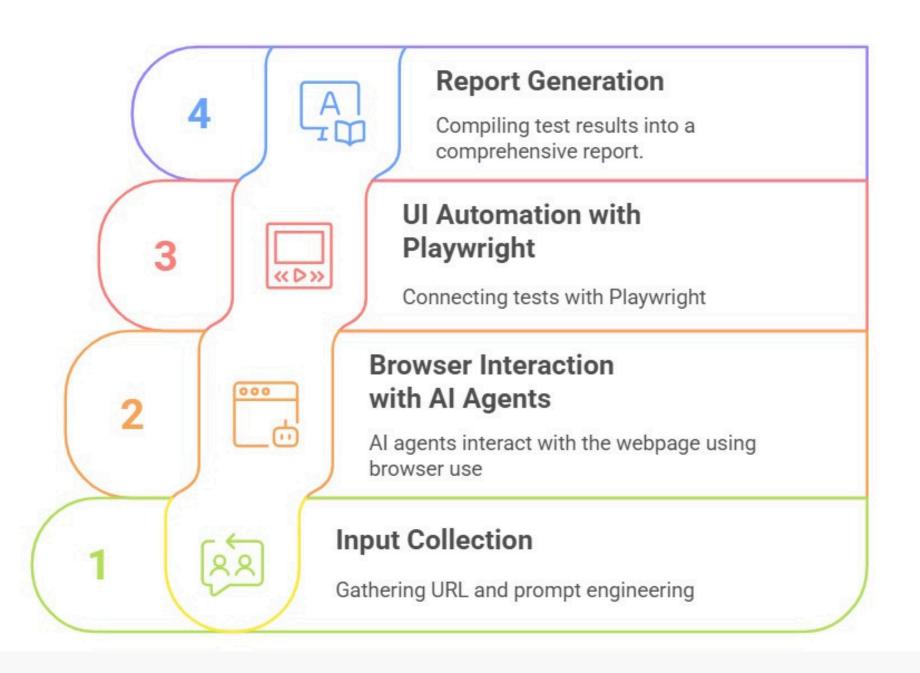
Context-aware Test Request API: Generator and Executor Pipeline (API agnostic)

- PaymentAPI-defender
 - Swift messaging standard compliance, FED, CHIP based requests)
- Creditengine-defender
 - (ML model test requests)

Tech stack: PayPal Sandbox API and Python

AI AGENTS FOR UI AUTOMATION

Al-Agent Chatbot (Prompt Injection) and UI Testing Workflow



• Prompt-defender

 UI test agent that generates finance environment aware

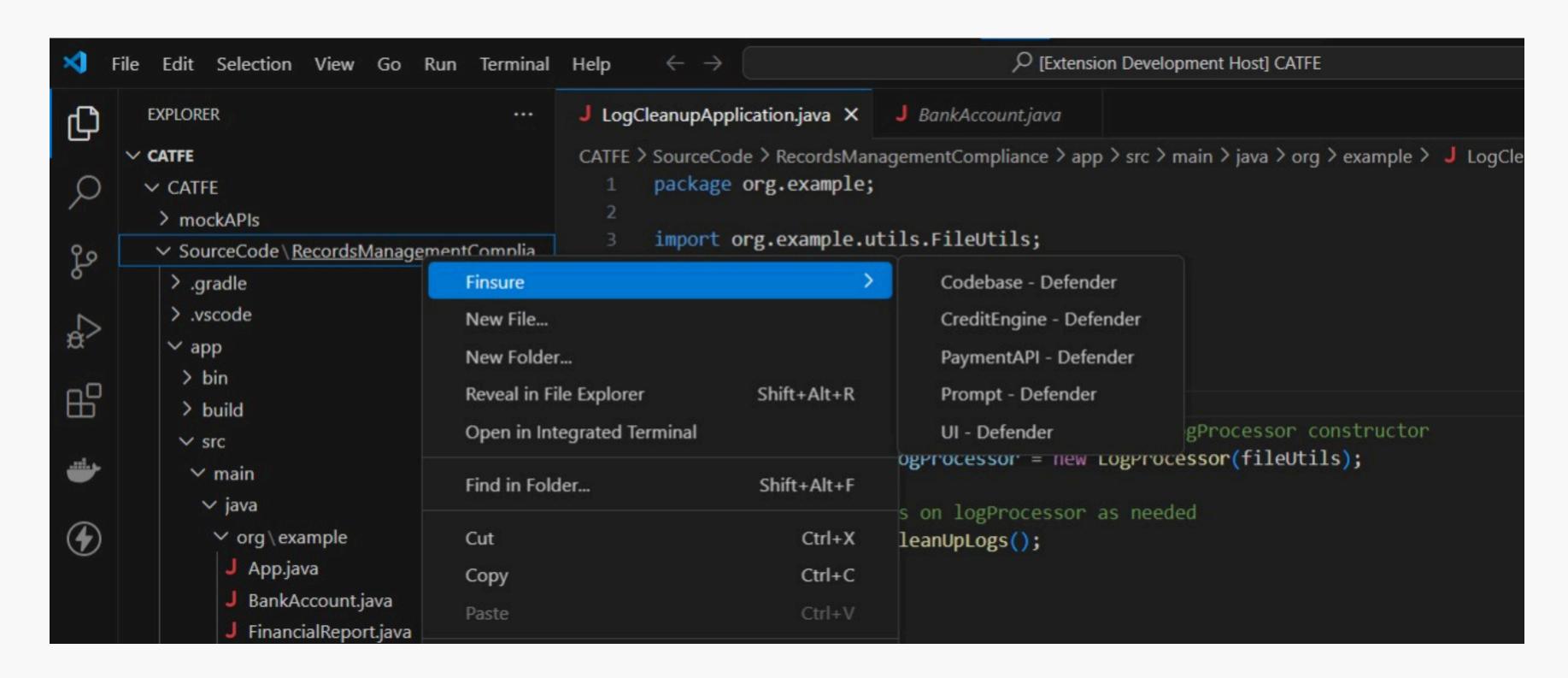
prompt injections and creates test reports

• UI-Defender

 UI test Agent that can do any task with natural language instruction

Techstack - Browseruse and Playwright

VSCODE PLUGIN

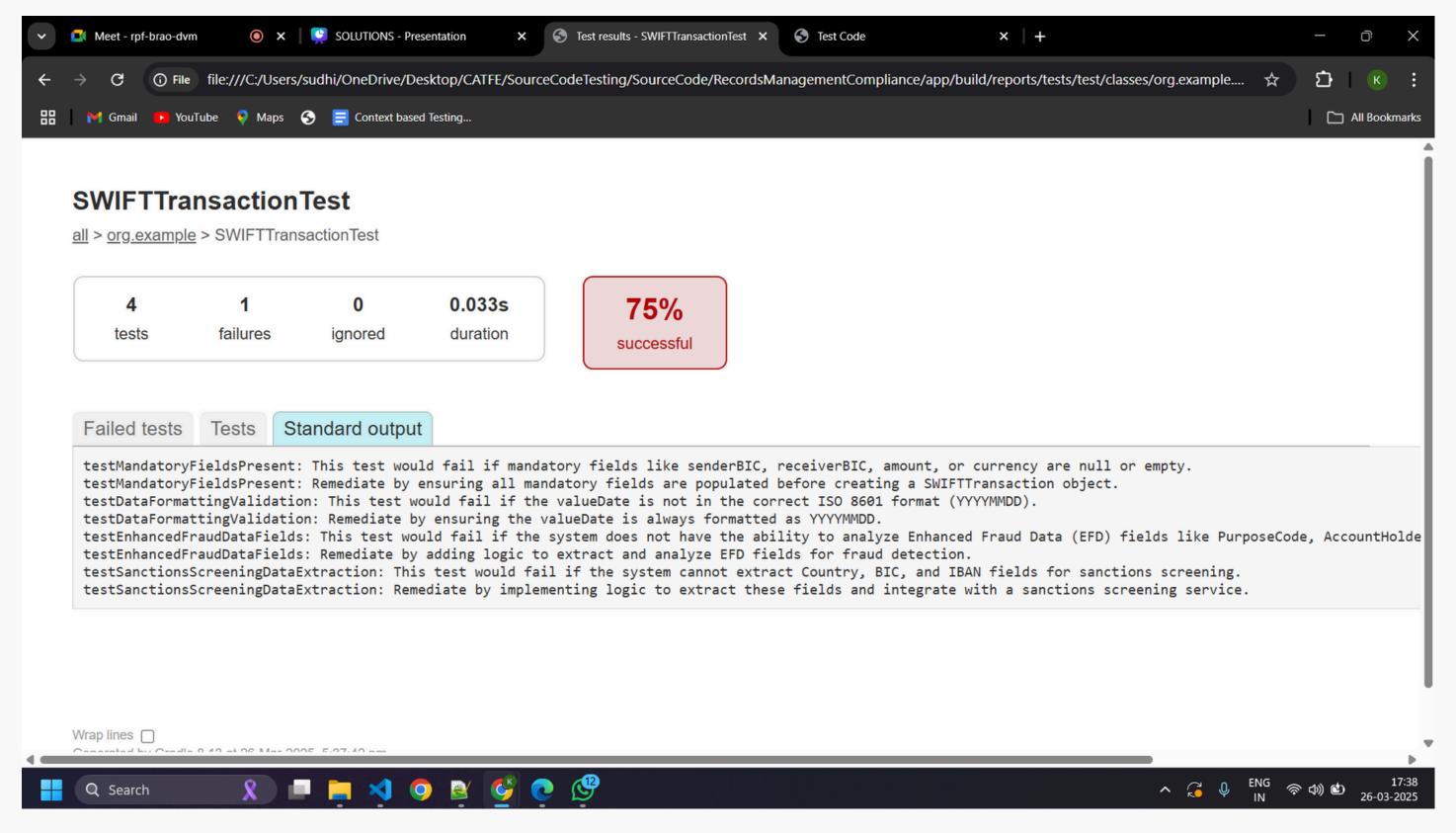


COMMAND LINE INTERFACE

finsure) Jyothikamalesh@Jyothikamaleshs—MacBook—Pro testing tool % finsure ——help Usage: finsure [OPTIONS] COMMAND [ARGS]... Options -Show this message and exit. --help Commands · github-testflow Generate GitHub Actions workflow, A Plug and Play CICD solution for github repo. Transaction API test with Cause analysis, Explainablity and Remediation of test cases. paymentapi-defender codebase-defender RAG powered regulatory compliance test function generator and execution pipeline. Credit engine ML API test cases generation and execution. creditengine-defender Prompt injection and Chatbot UI Automation test prompt-defender ui-defender NLP instructed Agentic UI automation tool

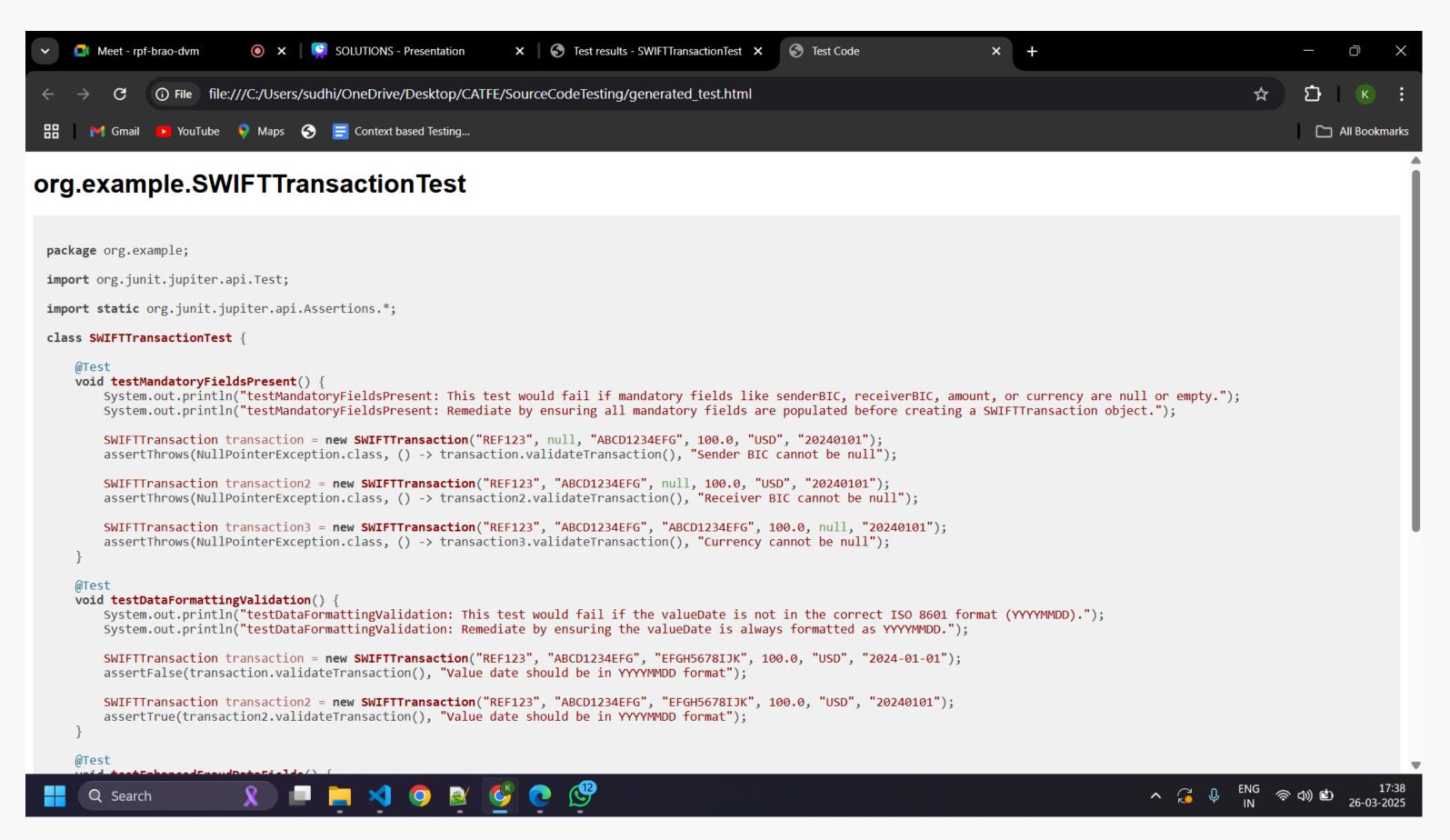
Command line interface help screen showcasing our solutions

CODEDEFENDER



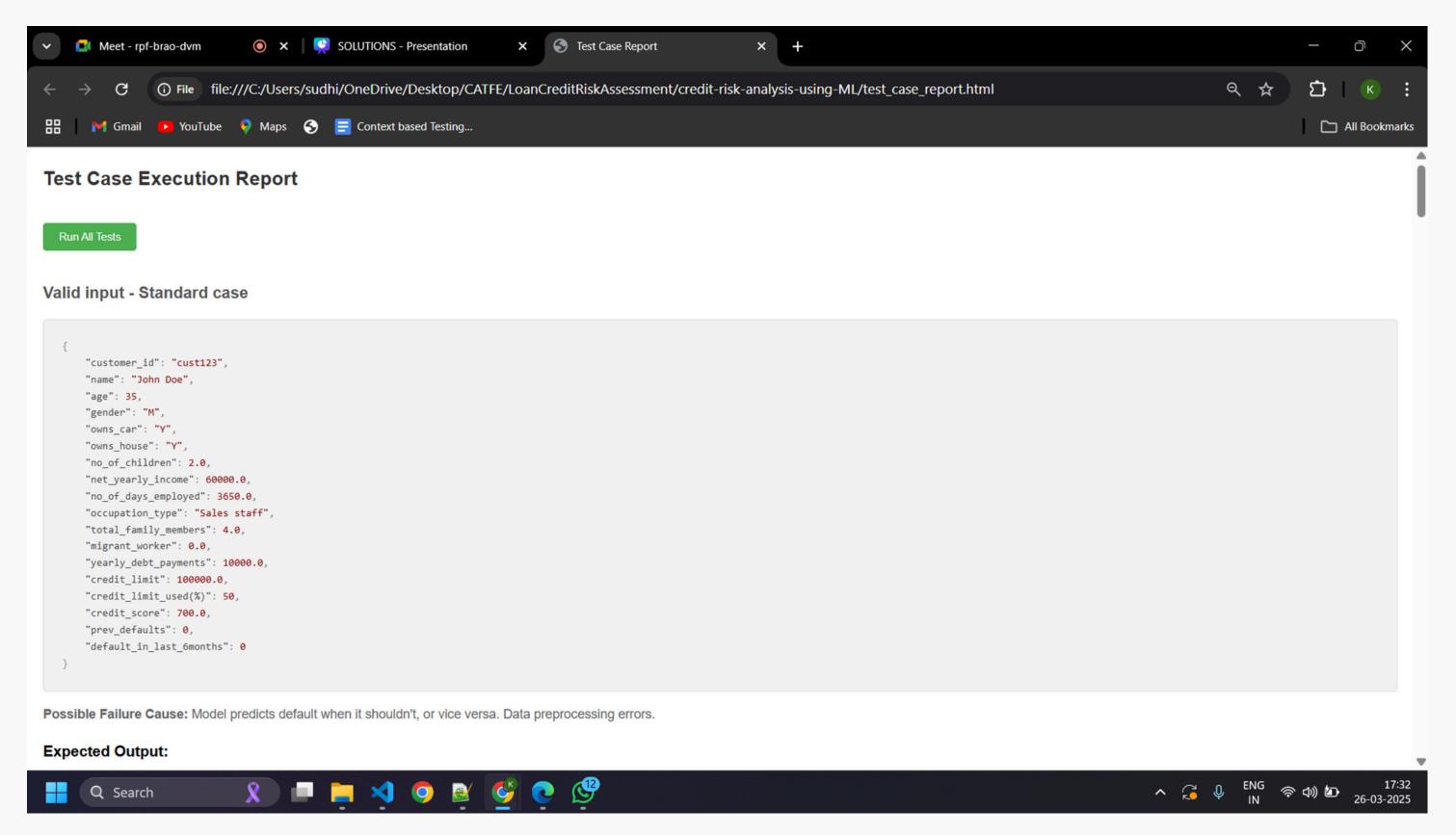
Screenshot of the summary of the automatically generated cause explanation and suggested remediations

CODEDEFENDER



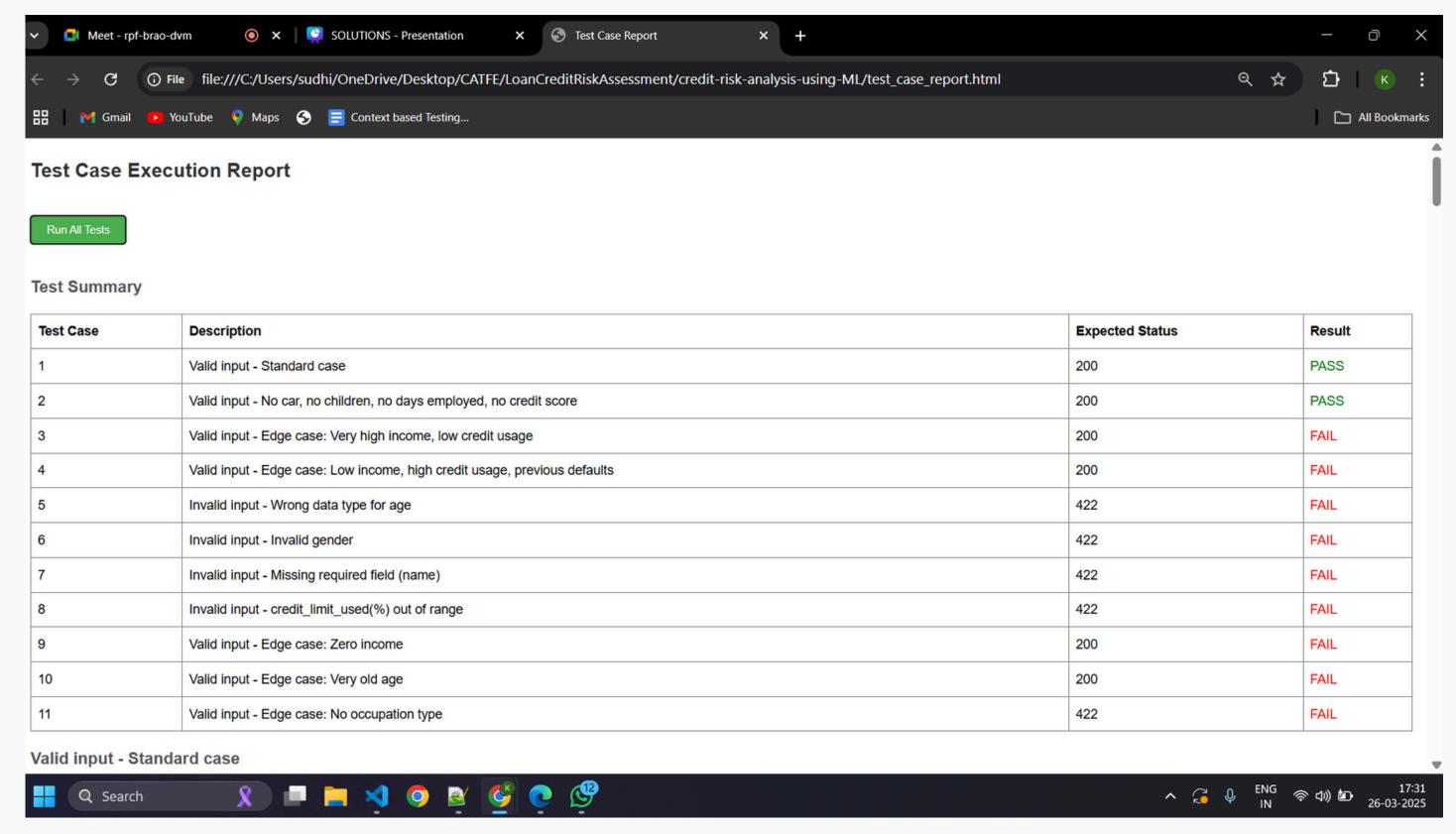
Screenshot of the summary of the automatically generated source code test cases

CREDITENGINE DEFENDER



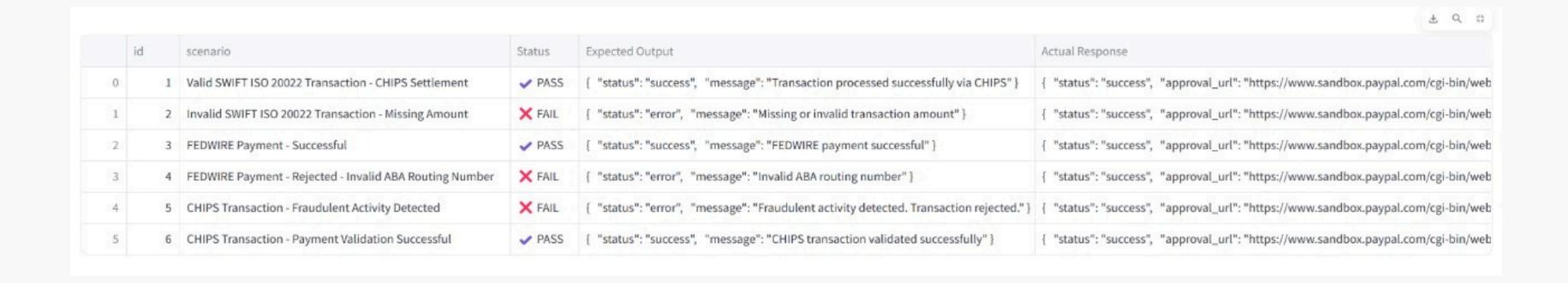
Screenshot of the automatically generated Payment API test cases

CREDITENGINE DEFENDER



Screenshot of the summary of the automatically generated Credit Risk Model test cases

PAYMENTAPI DEFENDER



Screenshot of the summary of the automatically generated Payment API test cases

THANK YOU