SECURESUITE

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OVERVIEW OF THE PROBLEM

- Cybersecurity threats such as phishing emails, malicious files, and vulnerable websites pose serious risks to individuals, students, and organizations
- Existing cybersecurity tools often lack integration, user-friendliness, or accessibility
- Students and small organizations are especially vulnerable due to limited resources
- There is a need for an affordable or free web-based solution
- The solution should simplify threat detection and enhance security awareness
- It should be accessible and easy to use without requiring advanced technical skills

OVERVIEW OF THE SOLUTION

- Our SaaS platform offers a web-based cybersecurity toolkit
- Includes three specialized tools:
  - Email Analyzer – detects phishing and malicious content
  - File Integrity Checker – features visualization and collaboration
  - Website Checker – evaluates website security and availability
- Powered by the VirusTotal API for accurate threat detection
- Provides an intuitive, accessible, and integrated solution
- Empowers users to proactively combat cyber threats

SUMMARY

- All-in-one platform designed for students, individuals, and small businesses
- Simplifies online safety with a user-friendly dashboard
- Uses VirusTotal API to detect and block threats
- Accessible, affordable, and built for non-experts
- Promotes cybersecurity awareness

TIMELINE

- Sprint 1: Converted Python project to a SaaS platform using Django and Azure, with flowchart creation, tool integration, GitHub setup, Trello updates, and comprehensive documentation.

- Sprint 2: Finalized Python files, converted and integrated HTML for Email Analyzer, File Integrity Checker, and Website Checker into a SaaS platform, researched database options, tested Azure server, updated GitHub, managed Trello backlog, and documented all components.
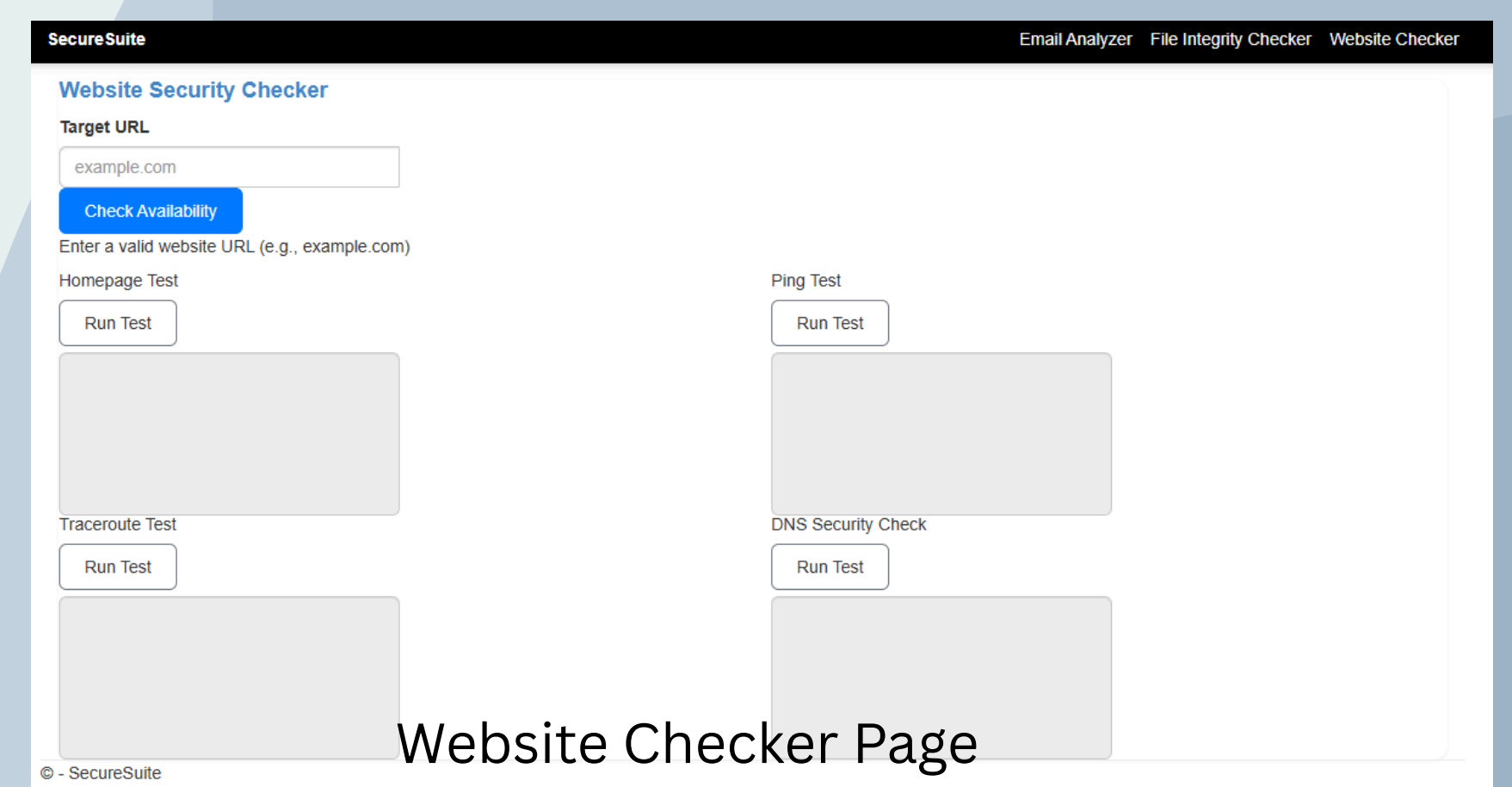
- Sprint 3: Delivered a basic interactive dashboard, full authentication system, operational ping/traceroute, DNS security checks, functional Email Analyzer, and VirusTotal-integrated file/link scanning with accurate results.
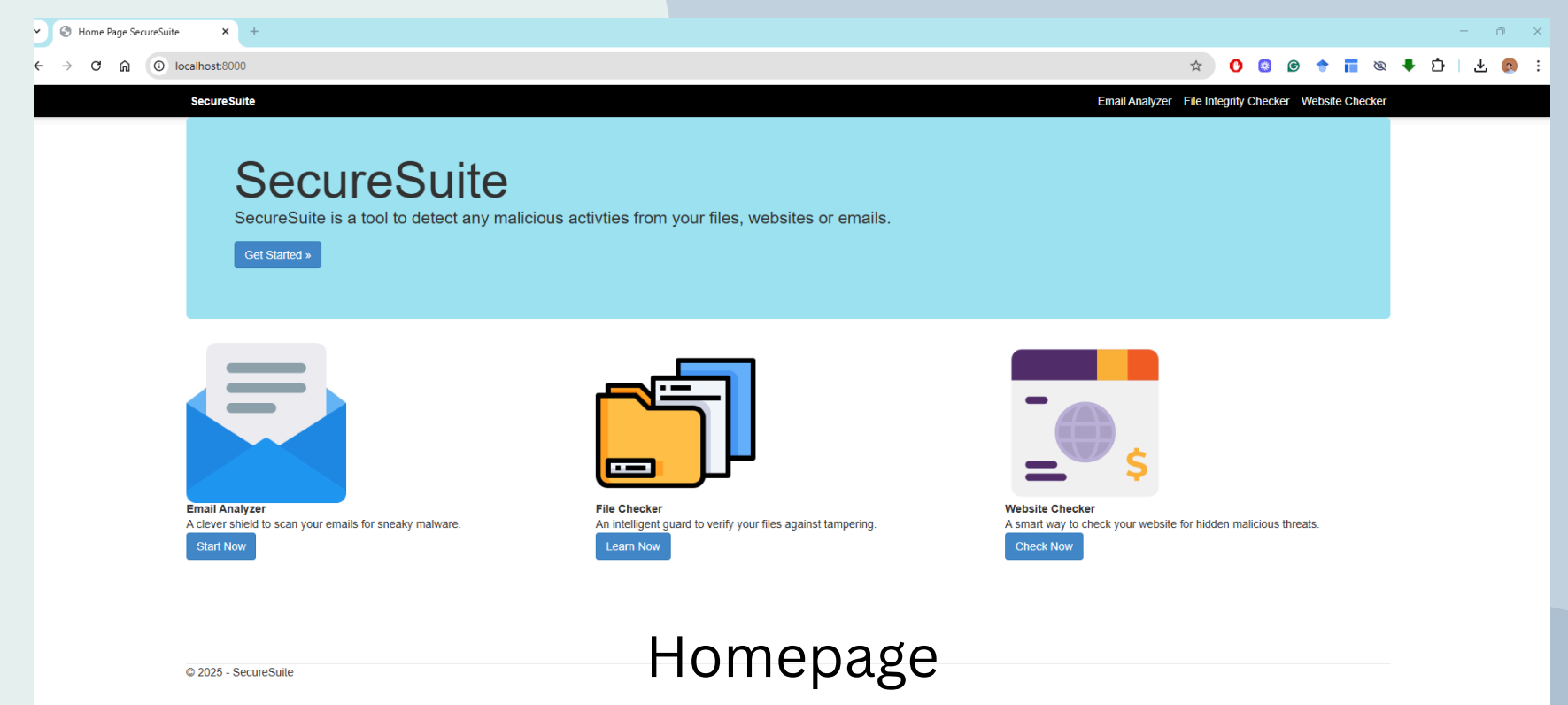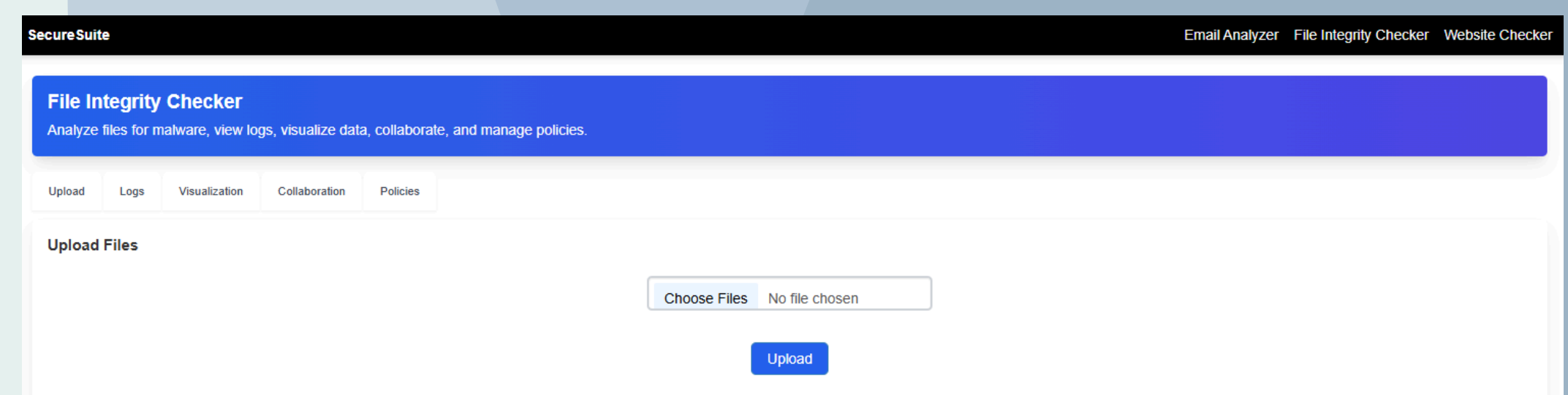

Homepage
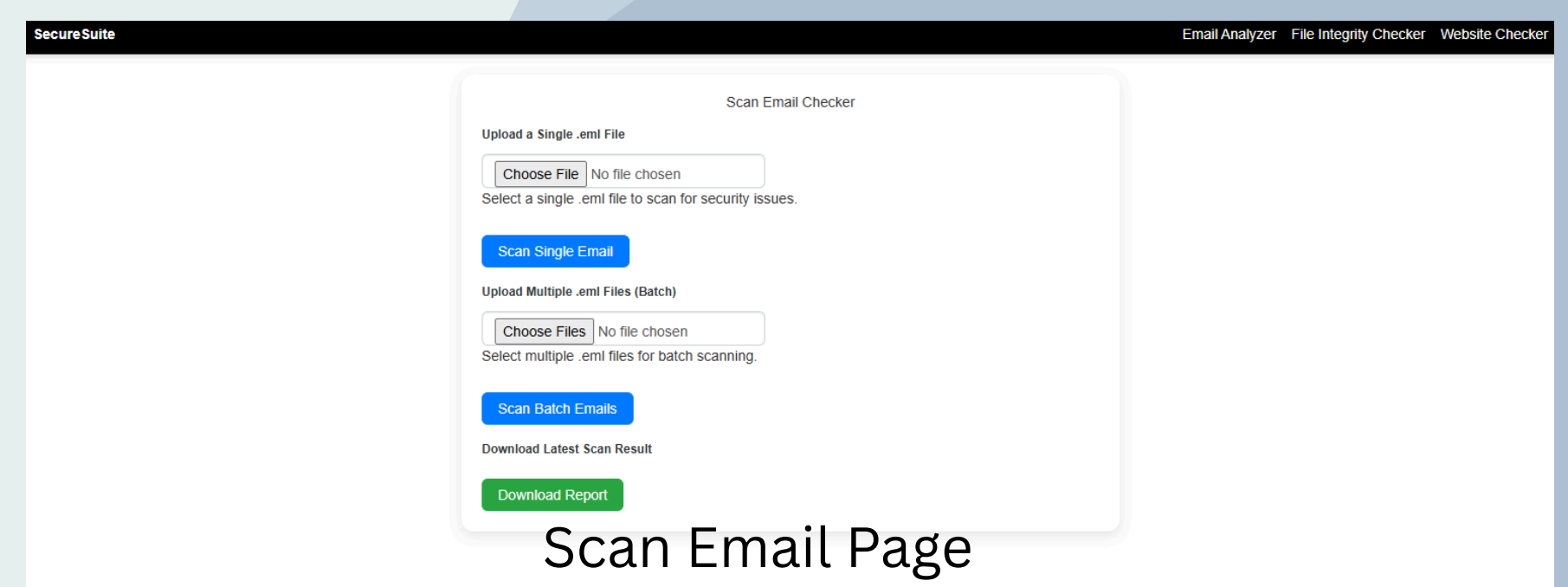
Scan Email Page

Website Checker Page

File Checker Page

STAKEHOLDERS

- Vendors: VirusTotal (API provider)
- Coaches/Instructors: University professors or cybersecurity mentors to guide development.
- Team Members: Developers, UI/UX designers, project managers, and product testers.
- Industry Members: Cybersecurity professionals for feedback and validation.
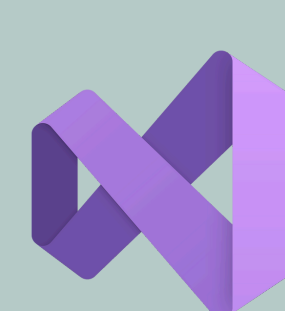- Peers: Fellow students for user testing and collaboration.

LINKED IN

Love

Aireen

Gian

TOOLS USED

Phyton

Visual Studio

MSSQL

Virus Total API

REFERENCES

SCAN ME