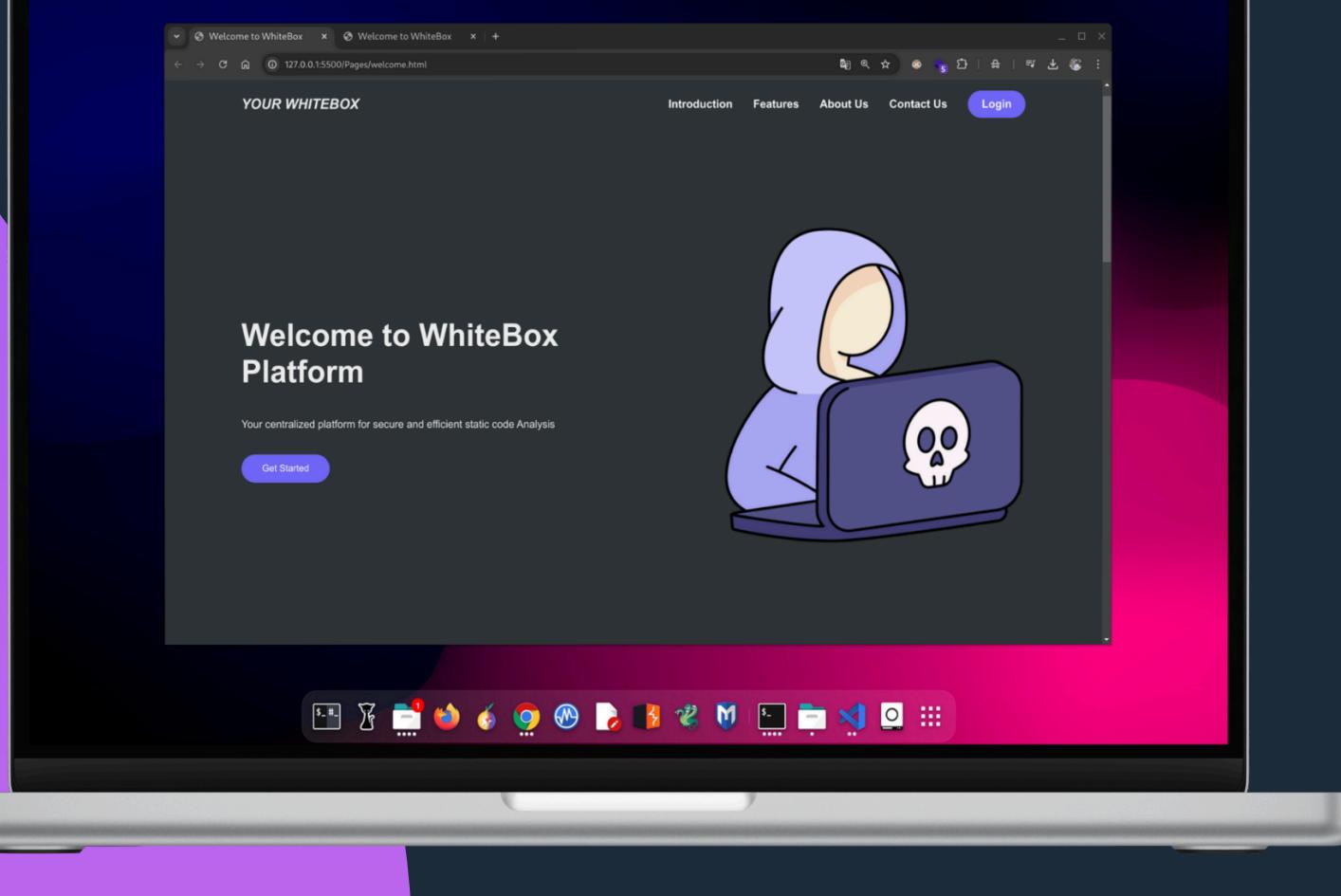


# SECUBOX INTEGRITY ANALYZER

A platform for analyzing source code and web applications to detect security vulnerabilities. Supports Whitebox (source code) and Blackbox (live URLs) analysis.

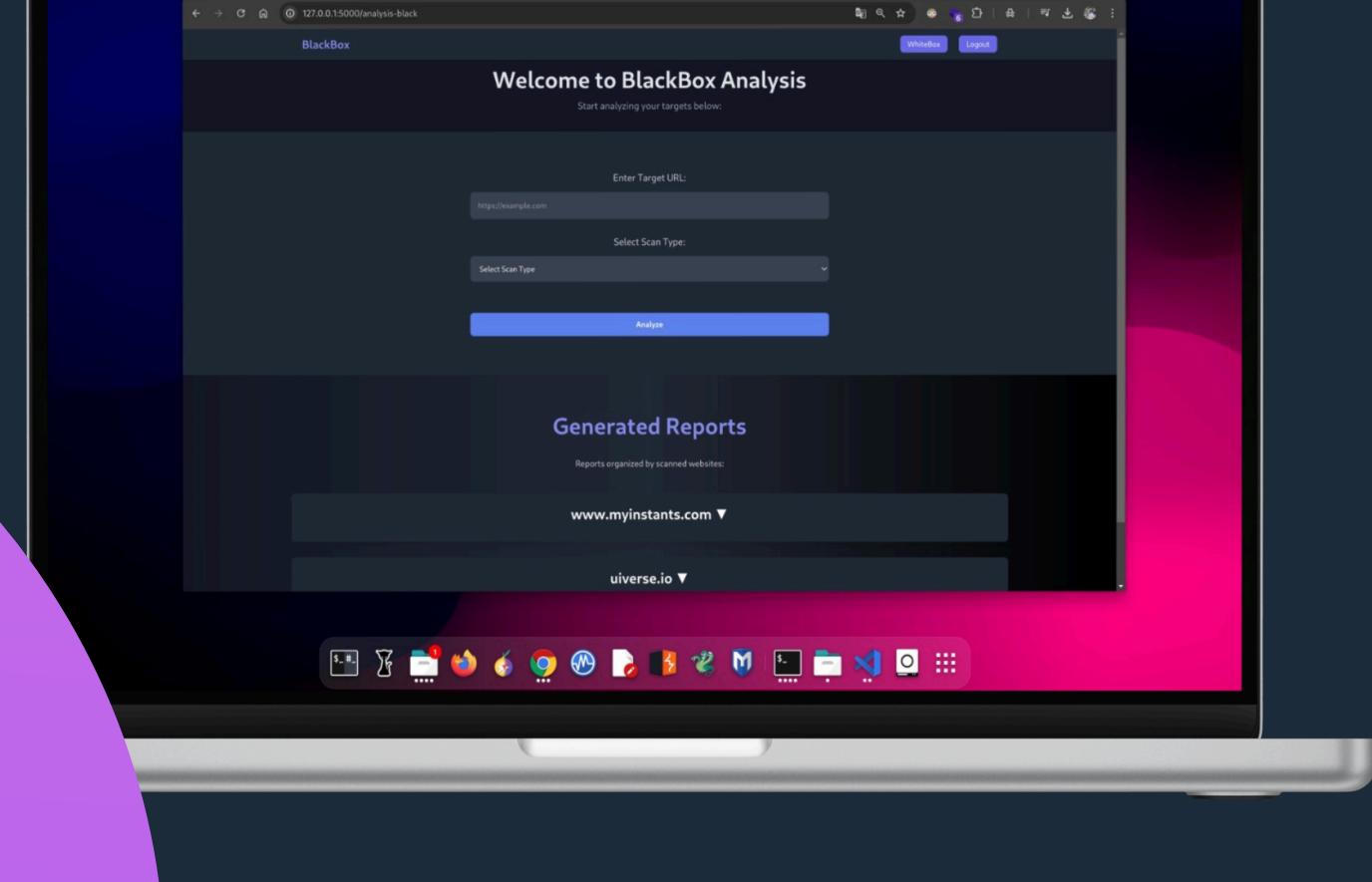
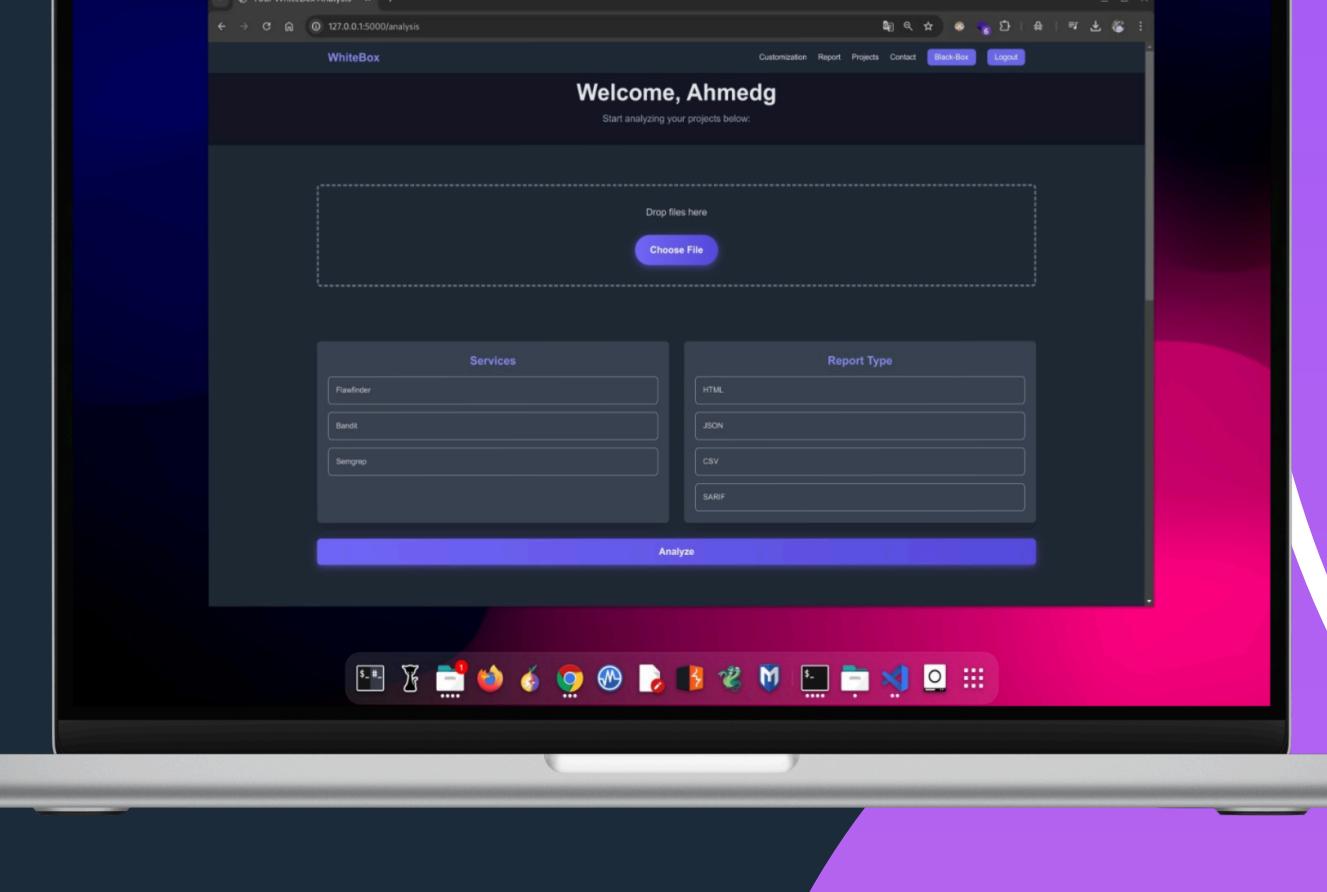
## Objectives:

- Detect security vulnerabilities in source code.
- Integration of Advanced Analysis Tools .
- Provide detailed reports to improve application security.
- Protect sensitive data through file encryption.
- User-Friendly UI: Simple, dynamic interface for easy tool access and clear reporting



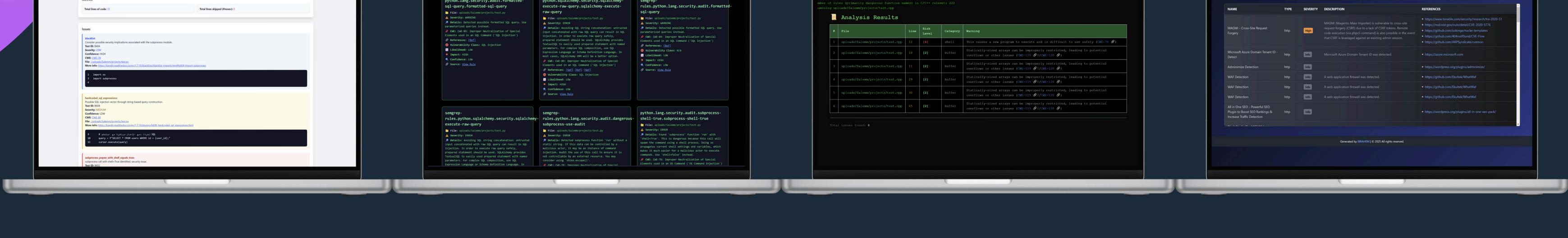
## Key Features:

- Whitebox Analysis: Tools like Flawfinder, Bandit, Semgrep.
- Blackbox Analysis: URL scanning with Nuclei.
- File encryption for data protection.
- Multi-language support (Python, C++, Java, etc.).
- User-friendly interface.



## Technologies Used:

- Programming Language: Python.
- Framework: Flask.
- Database: SQLite.
- Analysis Tools: Flawfinder, Bandit, Semgrep, Nuclei.
- Encryption: Fernet.



## Team Members:

Ahmed Ghaleb  
Ibrahim Abdulraqib  
Sallam Al-Dhahri

## Supervisor:

Dr. Aisha Al-Hadim.