End To End Testing for SymlexVPN App Testing

Testing Artifact

```
====================================
=       10K+ (Total Test Case)        =
=       1000+(Bug Fixing)             =
=       50+ (Total 14 days Sprint)    =
=       50+ (Documentation)           =
=       4 (Dedicated Person)          =
=       Daily Reporting               =
====================================
```

Project Description

The SymlexVPN mobile app project involved a full-scale testing initiative to ensure the highest quality and security standards for users seeking a reliable VPN service. My role encompassed the entire testing lifecycle, from planning to execution and reporting.

Responsibilities

- Developed and executed test plans and test cases for new features and updates.
- Performed various types of testing, including functional, regression, performance, and security testing.
- Collaborated with the development team to prioritize bug fixes and feature requests.

Testing Methodologies

- Functional Testing: Verified that all VPN functionalities met the specified requirements.
- Regression Testing: Ensured new updates did not adversely affect existing features.
- Performance Testing: Assessed the app's speed and stability across different network conditions.
- Security Testing: Conducted vulnerability assessments to safeguard user data.

Tools & Technologies

- Manual Testing Tools Frameworks: Excel
- Automation Frameworks: Appium
- Bug Tracking: Redmine
- Performance Tools: JMeter and Postman

Total 50+ Devices

```
===================================
=       iPhone 7                    =
=       iPhone 8                    =
=       Xiaomi                      =
=       Samsung S22                 =
=       iPhone X                    =
=       Mac M1 / M2                 =
=       Windows 11(3 devices)       =

More....
===================================
```
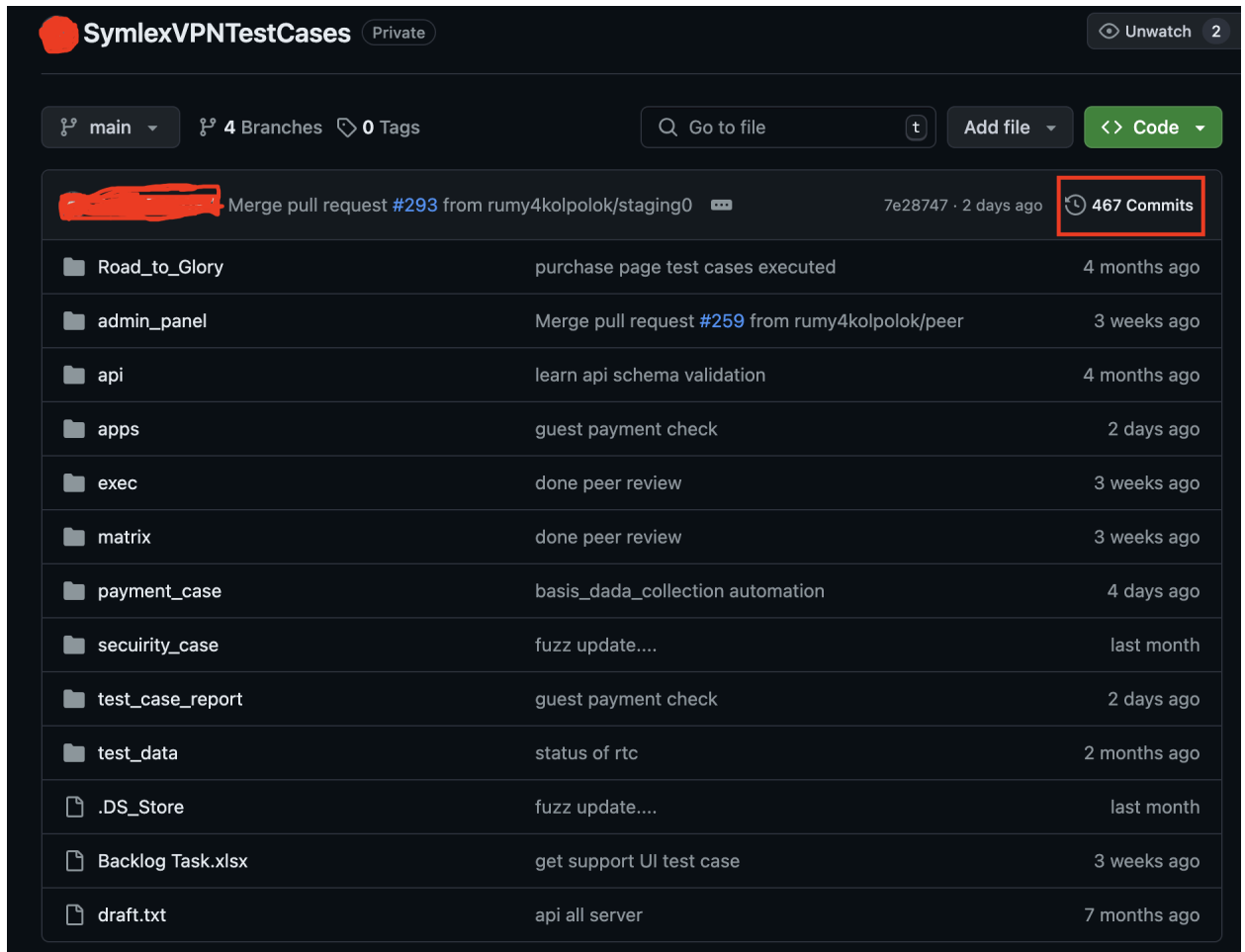
Achievements

- Identified 1000+ bugs and vulnerabilities, contributing to a 40% enhancement in app performance.
- Automated 60% of the test cases, leading to a 50% reduction in manual testing hours.

Client Feedback

"The meticulous testing process you implemented for SymlexVPN was pivotal in optimizing our app's performance and security. Your dedication to quality has significantly elevated our user experience." - *Riaz Hasan , CTO at Symlex Networks*

Visual Documentation

- Screenshot of Github Test Cases Repository.

- Github Link of Portfolio Repo:
  - https://github.com/rumy4kolpolok/SymlexVPNMobileTestCase