الوكالة الوطنية للأمن السيبراني
National Cyber Security Agency

الأكاديمية الوطنية للأمن السيبراني
National Cybersecurity Academy

المخيم الشبابي للأمن السيبراني
Cyber Security Youth Camp

www.ncsa.gov.qa

اسم المشروع website about XSS injection in port swigger:

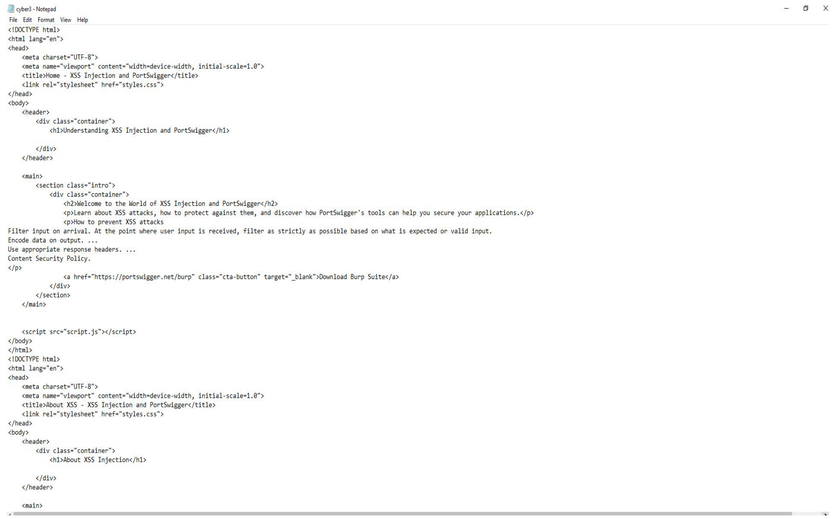
اسم الفريق team 4:

التحدي

Understand how XSS injection works in port swigger and how to prevent it

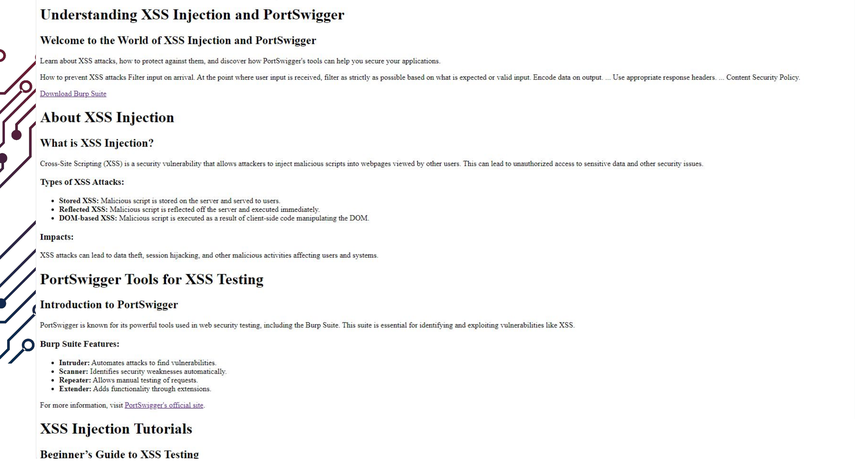
المنهجيـة

People get attacked by XSS attacks and don't know how to prevent it or avoid it



الحـل

We made a website that contains tutorials and information's about XSS in port swigger to know how it works and methods to prevent it



Understanding XSS Injection and PortSwigger

Welcome to the World of XSS Injection and PortSwigger

Learn about XSS attacks, how to protect against them, and discover how PortSwigger's tools can help you secure your applications.

How to prevent XSS attacks Filter input on arrival. At the point where user input is received, filter as strictly as possible based on what is expected or valid input. Encode data on output. ... Use appropriate response headers. ... Content Security Policy.

Download Burp Suite

About XSS Injection

What is XSS Injection?

Cross-Site Scripting (XSS) is a security vulnerability that allows attackers to inject malicious scripts into webpages viewed by other users. This can lead to unauthorized access to sensitive data and other security issues.

Types of XSS Attacks:

- **Stored XSS:** Malicious script is stored on the server and served to users.
- **Reflected XSS:** Malicious script is reflected off the server and executed immediately.
- **DOM-based XSS:** Malicious script is executed as a result of client-side code manipulating the DOM.

Impacts:

XSS attacks can lead to data theft, session hijacking, and other malicious activities affecting users and systems.

PortSwigger Tools for XSS Testing

Introduction to PortSwigger

PortSwigger is known for its powerful tools used in web security testing, including the Burp Suite. This suite is essential for identifying and exploiting vulnerabilities like XSS.

Burp Suite Features:

- **Intruder:** Automates attacks to find vulnerabilities.
- **Scanner:** Identifies security weaknesses automatically.
- **Repeater:** Allows manual testing of requests.
- **Extender:** Adds functionality through extensions.

For more information, visit PortSwigger's official site.

XSS Injection Tutorials

Beginner's Guide to XSS Testing