Development Secure Website

Secure Programming - CW2

TABLE OF CONTENTS

+ + +

1 INTRODUCTION

2 DESIGN AND SECURING

O3 PROJECT DEMO

01

INTRODUCTION

OVERVIEW



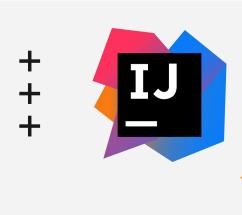


- In order to study Secure Programming, I studied where vulnerabilities occur and how to make them safe by developing directly without using Framework or CMS.
- This study was focused on secure programming rather than attack, and furthermore, it was conducted to study web development.

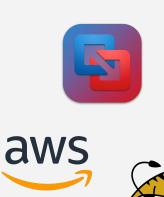
DEVELOPMENT ENVIROMENT







LANGUAGE

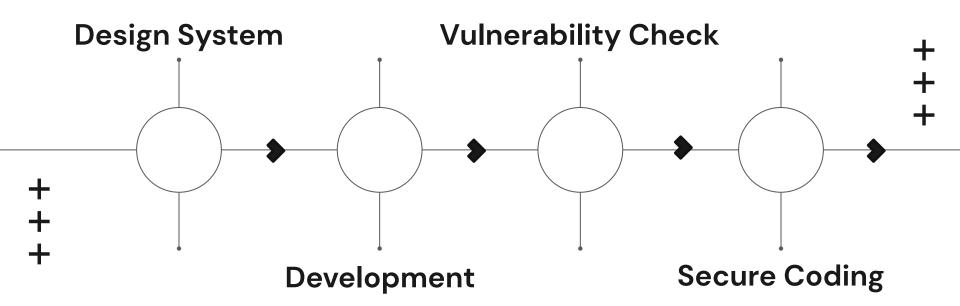




TOOL & PLATFORM



DEVELOPMENT PROCESS



MODELLING

STRIDE

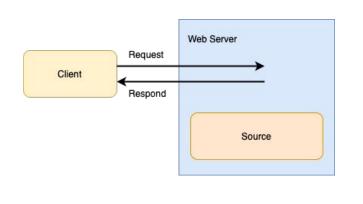
- Spoofing
- Tampering
- Repudiation
- Information Disclosure
- Denial of Service

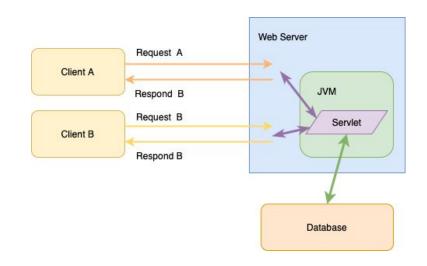
02

DESIGN AND SECURING

+++

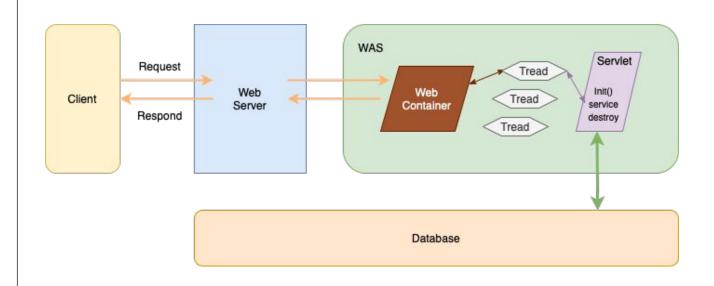
STATIC AND DYNAMIC PAGES





Static Pages

Dynamic Pages





DEFAULT CHECK LIST

+ Basic for web hacking

Security

Misconfiguration

Indexing documents, and permissions



Encrypting packet data and user's passwords in the database

ETC.

Remote Control, DOS/DDOS, Brute-force, and etc.

HOW TO CHECK?

+ + +

- Manual attack
- Automated attack
- Server Security

MAIN 6 SECURE PART

Apache	Security	Authority
More secure with the server's security settings	Firewall, SELinux setup and output one time Ping	Strong security with Linux permission settings

Database	Encrypt	AWS
No external connection allowed and dedicated ID/PW	SSL connection and password encryption of DB	Secure platform with protect remote control and DDOS attack



PROJECT DEMO

You can try in here:

- Demo https://bbsjsp.tryto.be
- Git https://github.com/leelsey/BBSJSP

+ + +

THANKS

The end of presentation

Do you have any questions?

