# Rapport mini-projet initiation au web.



# **Introduction:**

The purpose of this report is to provide an overview and description of a CTF (Capture the Flag) platform designed to facilitate cybersecurity education. The platform offers a wide range of challenges and courses covering various domains, including general skills, cryptography, forensics, web exploitation, binary exploitation, and reverse engineering. This report aims to present the project, highlight its significance, outline the identified problem, and describe the objectives pursued through the development of this website.

# **Presentation of mini-projet:**

The SHX CTF platform is an online learning environment that serves as a hub for aspiring cybersecurity enthusiasts and professionals seeking to enhance their knowledge and skills. It incorporates interactive challenges, practical exercises, and informative courses across multiple cybersecurity domains, providing users with hands-on experiences and theoretical understanding.

## **Problematic:**

In the field of cybersecurity education, individuals often struggle to find a comprehensive platform that offers a diverse range of challenges and courses across multiple domains. Existing resources may be scattered, lacking proper organization, or fail to provide a cohesive learning experience. This fragmented landscape can hinder learners' progress and make it difficult for them to acquire a holistic understanding of cybersecurity concepts and techniques.

## **Objectives:**

The main objectives of this project are as follows:

- a. Comprehensive Learning: To create a platform that covers a wide range of cybersecurity domains, offering a comprehensive learning experience for users. By providing challenges and courses in general skills, cryptography, forensics, web exploitation, binary exploitation, and reverse engineering, the platform aims to equip learners with a diverse skill set.
- b. Progressive Difficulty: To structure the challenges and courses in a progressive manner, allowing users to start with foundational concepts and gradually advance to more complex scenarios. This approach ensures a smooth learning curve, enabling learners to build upon their knowledge and skills over time.
- c. Hands-on Experience: To provide practical exercises and interactive challenges that encourage users to apply their theoretical knowledge in real-world scenarios. This hands-on approach fosters active learning and enhances problem-solving abilities.
- d. Accessibility: To design the platform with a user-friendly interface and intuitive navigation, making it accessible to users with varying levels of technical expertise. This inclusivity allows beginners to comfortably start their cybersecurity journey and enables experienced individuals to delve deeper into specific areas of interest.
- e. Community Engagement: To foster a vibrant and supportive community where users can collaborate, exchange ideas, and seek guidance from peers and mentors. The platform will offer forums, discussion boards, and other interactive features to facilitate knowledge sharing and networking opportunities.

# THE UI:

# the main page:





#### PHISHING

Phishing is when attackers send malicious emails designed to trick people into falling for a scam. Typically, the intent is to get users to reveal financial information, system credentials or other sensitive data.

#### MALWARE

### MALWARE

Malware is any software intentionally designed to cause disruption to a computer, server, client, or computer network, leak private information, gain unauthorized access to information or systems, deprive access to information.









### HACKING

Hacking refers to the misuse of devices like computers, smartphones, tablets, and networks to cause damage to or corrupt systems, gather information on users, steal data and documents, or disrupt data-related activity.





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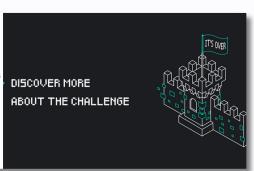
#### CTF

is an exercise in which "flags" are secretly hidden in purposefully-vulnerable programs or websites. It can either be



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is an exercise in which "flags" are secretly hidden in purposefully-vulnerable programs or websites. It can either be for competitive or educational purposes. Competitors steal flags either from other competitors (attack/defense-style CTFs) or from the organizers (jeopardy-style challenges)





### **Features**

# O

#### Privacy

The shx security platform ensures thier user that privacy of users will be kept private. There will nkt be any leakage of data.

## \$

#### Less price

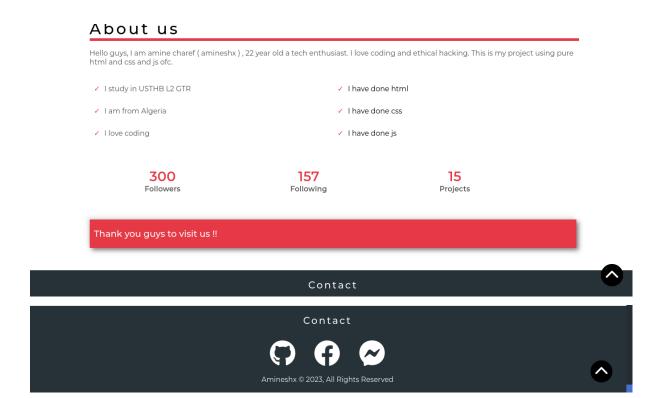
My company provide cheapest service in the world of internet for security solutions. To use primium services You have to pay only \$50



#### Experience

we have experienced ethical hacker, developer, programmer and penetration tester, who will provide you best services.





## the code:

### html:

```
o index.html > ② html > ② body > ② section#explore.showcase > ② div.container

'a class="btn btn-primary text-red md-neading" nre==./neip.ntml=>Explore more</a>

'a class="btn btn-primary text-red md-heading" href="./sign-up.html">Start now</a>

'a class="btn btn-primary text-red md-heading" href="./sign-up.html">Start now</a>

'div>

'div>

'header>

'!--Showcase section---------->

'div class="showcase" id="explore">

'div class="showcase" id="explore">

'div class="container">

'!--Showcase section row!------>

'div class="container">

'div class="container">

'div class="img-box">

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o index.html > ② html > ② body > ② section#explore.showcase > ② dw.container

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#### css: