

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 :

CYBER SECURITY

READ ABOUT CYBER ATTACKS FOR A GOOD START

[EXPLORE MORE](#)

YOU WANT TO CHECK OUT OUR CHALLENGES ?

[START NOW](#)



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



CTF

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)

DISCOVER MORE
ABOUT THE CHALLENGE



Features



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 premium services You have to pay only \$50



Experience

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



About us

Hello guys, I am amine charef (amineshx) , 22 year old a tech enthusiast. I love coding and ethical hacking. This is my project using pure html and css and js ofc.

✓ I study in USTHB L2 GTR

✓ I am from Algeria

✓ I love coding

✓ I have done html

✓ I have done css

✓ I have done js

300

Followers

157

Following

15

Projects

Thank you guys to visit us !!

Contact

Contact



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the code :

html:

```
index.html > html > body > section#explore.showcase > div.container
1 <!doctype html>
2 <html lang="en">
3 <head>
4 <meta charset="UTF-8">
5 <meta http-equiv="X-UA-Compatible" content="IE=Edge">
6 <meta name="viewport" content="width=device-width, initial-scale=1">
7 <title>shx ctf</title>
8 <link rel="website icon" type="png" href="/img/logo.png">
9 <link rel="stylesheet" href="/css/style.css">
10 </head>
11 <body>
12 <header class="header">
13 <nav class="navbar">
14 <div class="container">
15 <h1 class="logo lg-heading">SHX CTF</h1>
16 <ul class="listitems">
17 <li><a href="/help.html">help</a></li>
18 <li><a href="#about">About</a></li>
19 <li><a href="#contact">Contact</a></li>
20 <li><a href="/sign-up.html">sign up</a></li>
21 </ul>
22 </div>
23 </nav>
24 <div class="header-content">
25 <h1 class="lg-heading text-white"> cyber security </h1>
26 <p class="text-white"> read about cyber attacks for a good start </p>
27 <a class="btn btn-primary text-red md-heading" href="/help.html">Explore more</a>
```

```

index.html > html > body > section#explore.showcase > div.container
47 <a class="btn btn-primary text-red md-heading" href="/help.html">explore more</a>
28 <p class="text-white">you want to check out our challenges ?</p>
29 <a class="btn btn-primary text-red md-heading" href="/sign-up.html">start now</a>
30 </div>
31 </header>
32 <!--Showcase section----->
33 <section class="showcase" id="explore">
34 <div class="container">
35 <!--Showcase section row1-----> |
36 <div class="row row1">
37 <div class="img-box">
38 
39 </div>
40 <div class="text-box">
41 <h2 class="lg-heading text-black">Phishing</h2>
42 <p class="text-grey"> Phishing is when attackers send malicious emails designed to trick people
43 </div>
44 </div>
45 <!--Showcase section row2----->
46 <div class="row row2">
47 <div class="img-box">
48 
49 </div>
50 <div class="text-box">
51 <h2 class="lg-heading text-black">Malware</h2>
52 <p class="text-grey"> Malware is any software intentionally designed to cause disruption to a
53 </div>

```

```

index.html > html > body > section#explore.showcase > div.container
54 </div>
55 <!--Showcase section row3----->
56 <div class="row row3">
57 <div class="img-box">
58 
59 </div>
60 <div class="text-box">
61 <h2 class="lg-heading text-black">Hacking</h2>
62 <p class="text-grey"> Hacking refers to the misuse of devices like computers, smartphones, tablets,
63 </div>
64 </div>
65 <!--Showcase section row4----->
66 <div class="row row4">
67 <div class="img-box">
68 
69 </div>
70 <div class="text-box">
71 <h2 class="lg-heading text-black">CTF</h2>
72 <p class="text-grey"> is an exercise in which "flags" are secretly hidden in purposefully-vulnerable
73 </div>
74 </div>
75 </div>
76 </section>
77 <!--Feature section----->
78 <section class="feature">
79 <div class="container">
80 <div class="row">
81 <div class="img-box">
82 
83 </div>
84 <div class="text-box">
85 <h2 class="lg-heading text-black">Feature</h2>
86 <p class="text-grey"> This is a feature that is designed to help you to learn more about our challenges
87 </div>
88 </div>
89 </div>
90 </section>
91 </div>
92 </div>
93 </div>
94 </div>
95 </div>
96 </div>
97 </div>
98 </div>
99 </div>
100 </div>

```

```

index.html > html > body > section#explore.showcase > div.container
80 <div class="box-wrapper">
81 <!--Feature section box1----->
82 <h2 class="featureName lg-heading">Features</h2>
83 <div class="box box1"> <i class="fa-sharp fa-solid fa-shield-halved text-red"></i>
84 <h2 class="md-heading">Privacy</h2>
85 <p> The shx security platform ensures thier user that privacy of users will be kept private. T
86 </div>
87 <!--Feature section box2----->
88 <div class="box box2"> <i class="fa-solid fa-sack-dollar text-white"></i>
89 <h2 class="md-heading">Less price</h2>
90 <p> My company provide cheapest service in the world of internet for security solutions. To us
91 </div>
92 <!--Feature section box3----->
93 <div class="box box3"> <i class="fa-sharp fa-solid fa-user-check text-red"></i>
94 <h2 class="md-heading">Experience</h2>
95 <p> we have experienced ethical hacker, developer, programmer and penetration tester, who will
96 </div>
97 </div>
98 </div>
99 </section>
100 <!--Section About----->
101 <section class="about" id="about">
102 <div class="container">
103 <h2 class="lg-heading text-black about-heading">About us</h2>
104 <p class="text-grey"> Hello guys, I am amine charef ( amineshx ) , 22 year old a tech enthusiast
105 <!--About List----->
106 <div class="about-wrapper">

```

```

index.html > html > body > section#explore.showcase > div.container
106 <div class="about-wrapper">
107 <div class="about-left text-grey">
108 <ul>
109 <li>I study in USTHB L2 GTR</li>
110 <li>I am from Algeria</li>
111 <li>I love coding</li>
112 </ul>
113 </div>
114 <div class="about-right">
115 <ul>
116 <li>I have done html</li>
117 <li>I have done css</li>
118 <li>I have done js</li>
119 </ul>
120 </div>
121 </div>
122 <!--About Counts----->
123 <div class="counts text-grey">
124 <div class="count-items count-item1"> <span>300</span>
125 <p>Followers</p>
126 </div>
127 <div class="count-items count-item2"> <span>157</span>
128 <p>Following</p>
129 </div>
130 <div class="count-items count-item3"> <span>15</span>
131 <p>Projects</p>
132 </div>

```

```

index.html > html > body > section#explore.showcase > div.container
133 </div>
134 <!--About banner----->
135 <div class="about-banner">
136   <div class="left-banner">
137     <p>Thank you guys to visit us !!</p>
138   </div>
139 </div>
140 </div>
141 </section>
142 <!--Footer----->
143 <footer class="footer">
144   <div class="social">
145     <h2 class="md-heading">Contact</h2>
146     <a href="https://github.com/amineshx"><i class="fa-brands fa-github fa-3x"></i>
147     <a href="https://www.facebook.com/profile.php?id=100071334892481"><i class="fa-brands fa-faceboo
148     <a href="https://instagram.com/_amine_shx_?igshid=ZGUzMzM3NWJiOQ=="><i class="fa-brands fa-face
149   </div>
150   <p>Amineshx © 2023, All Rights Reserved</p>
151 </footer>
152 <a href="#" class="to-top">
153   <i class="fas fa-chevron-up"></i>
154 </a>
155 <script src="./main.js"></script>
156 <script src="./js/animation.js"></script>
157 <script src="https://kit.fontawesome.com/a54d2cbf95.js"></script>
158 <script src="https://kit.fontawesome.com/a2fa536777.js" crossorigin="anonymous"></script>

```

```

index.html > html > body > section#explore.showcase > div.container
138 </div>
139 </div>
140 </div>
141 </section>
142 <!--Footer----->
143 <footer class="footer">
144   <div class="social">
145     <h2 class="md-heading">Contact</h2>
146     <a href="https://github.com/amineshx"><i class="fa-brands fa-github fa-3x"></i>
147     <a href="https://www.facebook.com/profile.php?id=100071334892481"><i class="fa-brands fa-faceboo
148     <a href="https://instagram.com/_amine_shx_?igshid=ZGUzMzM3NWJiOQ=="><i class="fa-brands fa-face
149   </div>
150   <p>Amineshx © 2023, All Rights Reserved</p>
151 </footer>
152 <a href="#" class="to-top">
153   <i class="fas fa-chevron-up"></i>
154 </a>
155 <script src="./main.js"></script>
156 <script src="./js/animation.js"></script>
157 <script src="https://kit.fontawesome.com/a54d2cbf95.js"></script>
158 <script src="https://kit.fontawesome.com/a2fa536777.js" crossorigin="anonymous"></script>
159 </body>
160 </html>

```

CSS: