
Cybersecurity Project

CSF Q2

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1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4     <meta charset="UTF-8">
5     <meta name="viewport" content="width=device-width, initial-scale=1.0">
6     <meta http-equiv="X-UA-Compatible" content="ie=edge">
7     <link rel="stylesheet" href="style.css" type="text/css"/>
8     <style>
9 @import url('https://fonts.googleapis.com/css2?family=Open+Sans:wght@300;400&display=swap');
10 </style>
11
12     <title>Cybersecurity Concepts</title>
13 </head>
14 <body>
15     <header>
16         <h1>Cybersecurity Concepts</h1>
17     </header>
18
19     <section class="gallery">
20         <div class="post">
21             <h2>Defense in Depth</h2>
22             </img>
23             <p>A comprehensive strategy of including multiple layers of security
24 within a system so that if one layer fails, another layer of security is already in place to
25 stop the attack/unauthorized access. Examples:</p>
26             <ul>
27                 <li>A castle is secured by a moat, a drawbridge, and guards at the gate.</li>
28                 <li>Your home computer is secured by locks on the door, an alarm system, and a f
29                 <li>Company data is secured by a firewall, passwords, and encryption.</li>
30             </ul>
31         </div> <!-- Close post 1-->
32
33         <div class="post">
34             <h2>Confidentiality</h2>
35             </img>
36             <p>The property that information is not disclosed to individuals,
37 devices, or processes unless they have been authorized to access the information.</p>
38             <ul>
39                 <li>Student grades can only be accessed by specific individuals within the orgar
40                 <li>At a hospital, medical information about a patient is protected and only prc
41                 <li>Salary information is typically only available to authorized personnel withi
42             </ul>
43         </div> <!-- Close post 2-->
44
45         <div class="post">
46             <h2>Integrity</h2>
47             </img>
48             <p>The property that information is not disclosed to individuals,
49 devices, or processes unless they have been authorized to access the information.</p>
50             <ul>
51                 <li>Student grades are accurate and have not been modified by an unauthorized us
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52         <li>A website is the entity it claims to be.</li>
53         <li>A computer system is virus-free and uncompromised.</li>
54     </ul>
55 </div> <!-- Close post 3-->
56
57 <div class="post">
58     <h2>Availability</h2>
59     </img>
60     <p>The property that information or information systems are accessible
61         and usable upon demand.</p>
62     <ul>
63         <li>A student's grades can be viewed by the student and principal and modified by
64             the teacher.</li>
65         <li>A website for a store allows orders to be placed and viewed.</li>
66         <li>A banking system is appropriately accessible by both customers and banking
67             employees.</li>
68         <li>A Denial-of-Service attack can result in a system being unavailable and inac
69     </ul>
70 </div> <!-- Close post 4-->
71
72 <div class="post">
73     <h2>Think Like an Adversary</h2>
74     </img>
75     <p>The strategy of putting yourself inside the mindset of a potential attacker that
76     <ul>
77         <li>In order to best protect a student's data, it is useful to think of potential
78             adversaries and their motivations, such as a student wishing harm on another
79             student seeking to modify his own data, and consider possible strategies – like
80             access, etc. and build your security strategy accordingly.
81         </li>
82         <li>Discussions on ethics of a cybersecurity professional must correlate with an
83             activity in which adversarial thinking is being modeled.
84         </li>
85     </ul>
86 </div> <!-- Close post 5-->
87
88 <div class="post">
89     <h2>Keep It Simple</h2>
90     </img>
91     <p>The strategy of designing information and security systems to be
92 configured and operated as simply as possible; all systems perform best when they have simple de
93 </p>
94     <ul>
95         <li>A complex alarm system can have many points of failure, including the hardware
96             and the software.
97         </li>
98         <li>A complex computer system has many points of access and may be difficult to
99             secure. A simple solution is often the best strategy.
100        </li>
101    </ul>
102 </div> <!-- Close post 6-->
103
104 </section> <!-- Close gallery class-->
105
106 <footer>
107     <div class="source">

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108         <cite>Content by:</cite>
109         <p><a href="https://www.gen-cyber.com/">GenCyber Academy</a></p>
110     </div>
111 <br />
112     <div class="source">
113         <cite>Mobile Phone</cite>
114         <p>Image by <a href="https://pixabay.com/users/funkyfocus-3900817/?utm_source=link-c
115             from <a href="https://pixabay.com/?utm_source=link-attribution&utm_medium=re
116     </div>
117 <br />
118     <div class="source">
119         <cite>Stamp</cite>
120         <p>Image by <a href="https://pixabay.com/users/tayebmezahdia-4194100/?utm_source=lir
121     </div>
122 <br />
123     <div class="source">
124         <cite>Digitization</cite>
125         <p>Image by <a href="https://pixabay.com/users/geralt-9301/?utm_source=link-attribut
126     </div>
127     <div class="source">
128         <cite>Availability</cite>
129         <p>Image by <a href="https://pixabay.com/users/geralt-9301/?utm_source=link-attribut
130     </div>
131 <br />
132     <div class="source">
133         <cite>Advesary</cite>
134         <p>Image by <a href="https://pixabay.com/users/geralt-9301/?utm_source=link-attribut
135     </div>
136 <br />
137     <div class="source">
138         <cite>Simple</cite>
139         <p>Image by <a href="https://pixabay.com/users/janbaby-3005373/?utm_source=link-attr
140     </div>
141 </footer>
142
143 </body>
144 </html>
145
146 /* Color Palette
147 primary: #FFFBEB
148 secondary: #495579
149 teritary: #263159
150 accent: #251749
151 */
152
153 html {
154     margin: 0;
155     padding: 0;
156     box-sizing: border-box;
157 }
158
159 body {
160     background-color: #251749;
161     font-family: "Sans", serif
162 }
163

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```
164 header {
165     background-color: #495579;
166     color: #FFF;
167     padding: 1.5rem;
168     margin: 1.2rem;
169 }
170
171 footer {
172     background-color: #FFFBEB;
173     margin: 1.2rem;
174     padding: 1.2rem;
175 }
176
177 h1,
178 h2 {
179     text-align: center;
180 }
181
182 img {
183     max-width: 100%;
184     height: auto;
185     border-radius: 2rem;
186 }
187
188 li {
189     padding: 0.2rem;
190 }
191
192 .post {
193     background-color: #FFFBEB;
194     margin: 1.2rem;
195     padding: 1.5rem;
196     line-height: 2rem;
197 }
198
199 .post p {
200     text-indent: 1.2rem;
201 }
202
203 .source {
204     letter-spacing: 1px;
205 }
206
207 .source a {
208     text-decoration: none;
209     color: #495579;
210 }
211
212 @media (min-width: 800px) {
213     .gallery {
214         display: flex;
215         flex-wrap: wrap;
216         justify-content: space-around;
217     }
218
219     .post {
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220     width: 25%;
221     font-size: 1.1rem;
222 }
223
224 footer {
225     display: flex;
226     justify-content: space-around;
227     align-items: center;
228     font-size: 0.7rem;
229 }
230 }
```