...ber Security

CSF Q2P1 freelance/midterm

```
1    File: index.html
2
3    <!DOCTYPE html>
4    <html lang="en">
5
6    <head>
7        <meta charset="UTF-8">
8        <meta name="viewport" content="width=device-width, initial-scale=1.0">
9        <meta http-equiv="X-UA-Compatible" content="ie=edge">
10       <link rel="stylesheet" href="style.css" type="text/css" />
11       <link rel="preconnect" href="https://fonts.googleapis.com">
12       <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
13       <link href="https://fonts.googleapis.com/css2?family=Open+Sans:wght@300;400&display=swap" re
14       <title>Cybersecurity Concepts</title>
15   </head>
16
17   <body>
18       <header>
19           <h1>Cybersecurity Concepts</h1>
20       </header>
21
22       <section class="gallery">
23           <div class="post">
24               <h2>Defense in Depth</h2>
25               <img src="assets/mobilePhone.jpg"></img>
26               <p>A comprehensive strategy of including multiple layers of security
27                   within a system so that if one layer fails, another layer of security is already
28                   stop the attack/unauthorized access. Examples:</p>
29               <ol>
30                   <li>A castle is secured by a moat, a drawbridge, and guards at the gate.</li>
31                   <li>Your home computer is secured by locks on the door, an alarm system, and a
32                       firewall.</li>
33                   <li>Company data is secured by a firewall, passwords, and encryption.</li>
34               </ol>
35           </div> <!-- Close post 1 -->
36
37           <div class="post">
38               <h2>Confidentialtiy</h2>
39               <img src="assets/stamp.jpg"></img>
40               <p>The property that information is not disclosed to individuals,
41                   devices, or processes unless they have been authorized to access the informatio
42               <ul>
43                   <li>Student grades can only be accessed by specific individuals within the
44                       organization, such as authorized teachers and the principal.</li>
45                   <li>At a hospital, medical information about a patient is protected and only pr
46                       to authorized personnel.</li>
47                   <li>Salary information is typically only available to authorized personnel with
48                       company, such as the supervisor and human resources.</li>
49               </ul>
50           </div> <!-- Close post 2 -->
51
```

```
52        <div class="post">
53            <h2>Integrity</h2>
54            <img src="assets/digitization.jpg"></img>
55            <p>The property that information, an information system, or a component of a
56                system has not been modified or destroyed in an unauthorized manner.</p>
57            <ul>
58                <li>Student grades are accurate and have not been modified by an unauthorized us
59                <li>A website is the entity it claims to be.</li>
60                <li>A computer system is virus-free and uncompromised.</li>
61            </ul>
62        </div> <!-- Close post 3 -->
63
64        <div class="post">
65            <h2>Availability</h2>
66            <img src="assets/availability.jpg"></img>
67            <p>The property that information or information systems are accessible
68                and usable upon demand.</p>
69            <ul>
70                <li>A student's grades can be viewed by the student and principal and modified I
71                    the teacher. </li>
72                <li>A website for a store allows orders to be placed and viewed.</li>
73                <li>A banking system is appropriately accessible by both customers and banking
74                    employees. </li>
75                <li>A Denial-of-Service attack can result in a system being unavailable and inac
76            </ul>
77        </div> <!-- Close post 4 -->
78
79        <div class="post">
80            <h2>Think Like an Adversary</h2>
81            <img src="assets/adversary.jpg"></img>
82            <p>The strategy of putting yourself inside the mindset of a potential attacker that
83            </p>
84            <ul>
85                <li>In order to best protect a student's data, it is useful to think of potenti;
86                    adversaries and their motivations, such as a student wishing harm on anothen
87                    student seeking to modify his own data, and consider possible strategies – I
88                    access, etc. and build your security strategy accordingly.</li>
89                <li>Discussions on ethics of a cybersecurity professional must correlate with ar
90                    activity in which adversarial thinking is being modeled. </li>
91
92            </ul>
93        </div> <!-- Close post 5 -->
94
95        <div class="post">
96            <h2>Keep It Simple</h2>
97            <img src="assets/KeepItSimple.jpg"></img>
98            <p>The property that information, an information system, or a component of a
99                system has not been modified or destroyed in an unauthorized manner.</p>
100           <ul>
101               <li>A complex alarm system can have many points of failure, including the hardwa
102                   and the software.</li>
103               <li>A complex computer system has many points of access and may be difficult to
104                   secure. A simple solution is often the best strategy.</li>
105
106           </ul>
107       </div> <!-- Close post 6 -->
```

```
108
109        </section> <!-- Close Gallery 1 -->
110
111        <footer>
112            <div class="source">
113                <cite>Content by:</cite>
114                <p>
115                    <a href="https://www.gen-cyber.com./">GenCyber Academy </a>
116                </p>
117            </div>
118            <br />
119            <div class="source">
120                <cite>Mobile Phone:</cite>
121                <p>Image by <a href="https://pixabay.com/users/geralt-9301/?utm_source=link-attribut
122            </div>
123            <br />
124            <div class="source">
125                <cite>Stamp:</cite>
126                <p>Image by <a href="https://pixabay.com/users/tayebmezahdia-4194100/?utm_source=lin
127            </div>
128            <br />
129            <div class="source">
130                <cite>Digitization:</cite>
131                <p>Image by <a href="https://pixabay.com/users/funkyfocus-3900817/?utm_source=link-a
132            </div>
133            <br />
134            <div class="source">
135                <cite>Availability:</cite>
136                <p>Image by <a href="https://pixabay.com/users/geralt-9301/?utm_source=link-attribut
137            </div>
138            <br />
139            <div class="source">
140                <cite>Adversary:</cite>
141                <p>Image by <a href="https://pixabay.com/users/geralt-9301/?utm_source=link-attribut
142            </div>
143            <br />
144            <div class="source">
145                <cite>Keep It Simple:</cite>
146                <p>Image by <a href="https://pixabay.com/users/janbaby-3005373/?utm_source=link-atti
147            </div>
148        </footer>
149
150  </body>
151
152  </html>
153
154  File: style.css
155
156  /* Color Palett:
157  primary: #FFFBEB
158  secondary: #495579
159  tertiary: #263159
160  accent: #251749
161  */
162
163
```

```
164  html {
165      margin: 0;
166      padding: 0;
167      box-sizing: border-box;
168  }
169
170  body {
171      background-color: #251749;
172      font-family: 'Open Sans', sans-serif;
173  }
174
175  header {
176      background-color: #495579;
177      color: #fff;
178      padding: 1.5rem;
179      margin: 1.2rem;
180  }
181
182  footer {
183      background-color: #FFFBEB;
184      margin: 1.2rem;
185      padding: 1.5rem;
186      font-size: 0.55rem
187  }
188
189  h1,
190  h2 {
191      text-align: center;
192  }
193
194  img {
195      max-width: 100%;
196      height: auto;
197      border-radius: 2rem;
198  }
199
200  li {
201      padding: 0.2rem;
202  }
203
204
205  .post {
206      background-color: #FFFBEB;
207      margin: 1.2rem;
208      padding: 1.5rem;
209      line-height: 2rem;
210  }
211
212  .post p {
213      text-indent: 1.2rem;
214  }
215
216  .source {
217      letter-spacing: 1px;
218  }
219
```

```css
220   .source a {
221       text-decoration: none;
222       color: #495579;
223   }
224
225
226   @media (min-width: 800px) {
227       .gallery {
228           display: flex;
229           flex-wrap: wrap;
230           justify-content: space-around;
231       }
232
233       .post {
234           width: 25%;
235           font-size: 1.1rem;
236       }
237
238       footer {
239           display: flex;
240           justify-content: space-around;
241           align-items: center;
242           font-size: 0.7rem;
243       }
244
245   }
```

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