berSecurity

CSF22-23

```
1   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" rel=
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 i
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>Confidentiality</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 information.<
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 provi
46                      to authorized personnel.</li>
47                  <li>Salary information is typically only available to authorized personnel within
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 user
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/lightbox_preview.jpeg"></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 by
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 inacce
76            </ul>
77        </div> <!-- Close post 4 -->
78
79        <div class="post">
80            <h2>Thnk Like an Adversary</h2>
81            <img src="assets/lightbox_preview (1).jpeg"></img>
82            <p>The strategy of putting yourself inside the mindset of a potential attacker that al
83            <ul>
84                <li>In order to best protect a student's data, it is useful to think of potential
85                    adversaries and their motivations, such as a student wishing harm on another,
86                    student seeking to modify his own data, and consider possible strategies – bre
87                    access, etc. and build your security strategy accordingly.</li>
88                <li>Discussions on ethics of a cybersecurity professional must correlate with any
89                    activity in which adversarial thinking is being modeled.</li>
90            </ul>
91        </div> <!-- Close post 5 -->
92
93        <div class="post">
94            <h2>Keep It Simple</h2>
95            <img src="assets/lightbox_preview (2).jpeg"></img>
96            <p>The strategy of designing information and security systems to be
97                configured and operated as simply as possible; all systems perform best when they
98            <ul>
99                <li>A complex alarm system can have many points of failure, including the hardware
100                    and the software.</li>
101                <li>A complex computer system has many points of access and may be difficult to
102                    secure. A simple solution is often the best strategy.</li>
103            </ul>
104        </div> <!-- Close post 6 -->
105
106    </section> <!-- Close gallery class -->
107
```

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

```css
164        background-color: #251749;
165        font-family: 'Open Sans', sans-serif;
166    }
167
168    header {
169        background-color: #495579;
170        color: #fff;
171        padding: 1.5rem;
172        margin: 1.2rem;
173    }
174
175    footer {
176        background-color: #FFFBEB;
177        margin: 1.2rem;
178        padding: 1.5rem;
179        font-size: 0.55rem;
180    }
181
182    h1,
183    h2 {
184        text-align: center;
185    }
186
187    img {
188        max-width: 100%;
189        height: auto;
190        border-radius: 2rem;
191    }
192
193    li {
194        padding: 0.2rem;
195    }
196
197    .post {
198        background-color: #FFFBEB;
199        margin: 1.2rem;
200        padding: 1.5rem;
201        line-height: 2rem;
202    }
203
204    .post p {
205        text-indent: 1.2rem;
206    }
207
208    .source {
209        letter-spacing: 0.5px;
210
211    }
212
213    .source a {
214        text-decoration: none;
215        color: #495579;
216    }
217
218    @media (min-width: 800px) {
219        .gallery{
```

```css
220           display: flex;
221           flex-wrap: wrap;
222           justify-content: space-around;
223       }
224
225       .post {
226           width: 25%;
227           font-size: 1.1rem;
228       }
229
230       footer {
231           display: flex;
232           justify-content: space-around;
233           align-items: center;
234           font-size: 0.7rem;
235       }
236   }
```

PDF document made with CodePrint using [Prism](https://bakerfranke.github.io/codePrint/)