



ber Security Concepts

```

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="stylesheet">
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>
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>Confidentiality</h2>
39             </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             </p>
43             <ul>
44                 <li>Student grades can only be accessed by specific individuals within the
45                     organization, such as authorized teachers and the principal.</li>
46                 <li>At a hospital, medical information about a patient is protected and only provided
47                     to authorized personnel.</li>
48                 <li>Salary information is typically only available to authorized personnel within the
49                     company, such as the supervisor and human resources.</li>
50             </ul>
51         </div> <!-- Close post 2 -->

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52 <div class="post">
53   <h2>Integrity</h2>
54   </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</li>
59     <li>A website is the entity it claims to be.</li>
60     <li>A computer system is virus-free and uncompromised.
61   </li>
62   </ul>
63 </div> <!-- Close post 3-->
64 <div class="post">
65   <h2>Availability</h2>
66   </img>
67   <p>The property that information or information systems are accessible
68     and usable upon demand.
69   </p>
70   <ul>
71     <li>A student's grades can be viewed by the student and principal and modified by the
72       teacher.</li>
73     <li>A website for a store allows orders to be placed and viewed.</li>
74     <li>A banking system is appropriately accessible by both customers and banking
75       employees.</li>
76   </ul>
77 </div> <!-- Close post 4-->
78 <div class="post">
79   <h2>Think Like an Adversary</h2>
80   </img>
81   <p>The strategy of putting yourself inside the mindset of a potential attacker that
82   </p>
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 - like
87       access, etc. and build your security strategy accordingly.</li>
88     <li>Discussions on ethics of a cybersecurity professional must correlate with an
89       activity in which adversarial thinking is being modeled.</li>
90   </ul>
91 </div> <!-- Close post 5-->
92 <div class="post">
93   <h2>Keep It Simple</h2>
94   </img>
95   <p>The strategy of designing information and security systems to be
96     configured and operated as simply as possible; all systems perform best when they
97   </p>
98   <ul>
99     <li>A complex alarm system can have many points of failure, including the hardware
100      and the software.
101    </li>
102    <li>A complex computer system has many points of access and may be difficult to
103      secure. A simple solution is often the best strategy.
104    </li>
105   </ul>
106 </div> <!-- Close post 6-->
107 </section> <!-- Close gallery class -->

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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-;
117                 from <a href="https://pixabay.com//?utm_source=link-attribution&utm_medium=
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=li
123         </div>
124         <br />
125         <div class="source">
126             <cite>Digitization:</cite>
127             <p>Image by <a href="https://pixabay.com/users/tayebmezahdia-4194100/?utm_source=li
128         </div>
129         <br />
130         <div class="source">
131             <cite>Availability</cite>
132             <p>Image by <a href="https://pixabay.com/users/geralt-9301/?utm_source=link-attribu
133         </div>
134         <br />
135         <div class="source">
136             <cite>Think Like an Adversary</cite>
137             <p>Image by <a href="https://pixabay.com/users/geralt-9301/?utm_source=link-attribu
138         </div>
139         <br />
140         <div class="source">
141             <cite>Keep It Simple</cite>
142             <p>Image by <a href="https://pixabay.com/users/janbaby-3005373/?utm_source=link-att
143         </div>
144     </footer>
145
146 </body>
147
148 </html>
149
150 style.css
151
152 /* Color Palette:
153 primary: #FFFBEB
154 secondary: #495579
155 tertiary: #263159
156 accent: #251749
157 */
158
159 html {
160     margin: 0;
161     padding: 0;
162     box-sizing: border-box;
163 }

```

```
164
165 body {
166     background-color: #251749;
167     font-family: 'Open Sans', sans-serif;
168 }
169
170 header {
171     background-color: #495579;
172     color: #fff;
173     padding: 1.5rem;
174     margin: 1.2rem;
175 }
176
177 footer {
178     background-color: #FFFBEB;
179     margin: 1.2rem;
180     padding: 1.5rem;
181     font-size: 0.55rem;
182 }
183
184 h1,
185 h2 {
186     text-align: center;
187 }
188
189 img {
190     max-width: 100%;
191     height: auto;
192     border-radius: 2rem;
193 }
194
195 li {
196     padding: 0.2rem;
197 }
198
199 .post {
200     background-color: #FFFBEB;
201     margin: 1.2rem;
202     padding: 1.5rem;
203     line-height: 2rem;
204 }
205
206 .post p {
207     text-indent: 1.2rem;
208 }
209
210 .source {
211     letter-spacing: 1px;
212 }
213
214 .source a {
215     text-decoration: none;
216     color: #495579;
217 }
218
219
```

```
220 | @media (min-width: 800px) {
221 |     .gallery {
222 |         display: flex;
223 |         flex-wrap: wrap;
224 |         justify-content: space-around;
225 |     }
226 |
227 |     .post {
228 |         width: 25%;
229 |         font-size: 1.1rem;
230 |     }
231 |
232 |     footer {
233 |         display: flex;
234 |         justify-content: space-around;
235 |         align-items: center;
236 |         font-size: 0.7rem;
237 |     }
238 | }
239 |
```

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