

Cyber 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=
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 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
36         </div> <!-- Close post 1 -->
37
38         <div class="post">
39             <h2>Confidentiality</h2>
40             </img>
41             <p>The property that information is not disclosed to individuals,
42                 devices, or processes unless they have been authorized to access the information.<
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 provi
47                     to authorized personnel.</li>
48                 <li>Salary information is typically only available to authorized personnel within
49                     company, such as the supervisor and human resources.</li>
50             </ul>
51         </div> <!-- Close post 2 -->

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52
53 <div class="post">
54   <h2>Integrity</h2>
55   </img>
56   <p>The property that information, an information system, or a component of a
57     system has not been modified or destroyed in an unauthorized manner.</p>
58   <ul>
59     <li>Student grades are accurate and have not been modified by an unauthorized user
60     <li>A website is the entity it claims to be.</li>
61     <li>A computer system is virus-free and uncompromised.</li>
62   </ul>
63 </div> <!-- Close post 3 -->
64
65 <div class="post">
66   <h2>Availability</h2>
67   </img>
68   <p>The property that information or information systems are accessible and usable upon
69   <ul>
70     <li>A student's grades can be viewed by the student and principal and modified by
71     <li>A website for a store allows orders to be placed and viewed.</li>
72     <li>A banking system is appropriately accessible by both customers and banking emp
73     <li>A Denial-of-Service attack can result in a system being unavailable and inacce
74   </ul>
75 </div> <!-- Close Post 4 -->
76
77 <div class="post">
78   <h2>Think Like an Adversary</h2>
79   </img>
80   <p>The strategy of putting yourself inside the mindset of a potential attacker that al
81   <ul>
82     <li>In order to best protect a student's data, it is useful to think of potential
83     <li>Discussions on ethics of a cybersecurity professional must correlate with any
84   </ul>
85 </div> <!-- Close Post 5 -->
86
87 <div class="post">
88   <h2>Keep It Simple</h2>
89   </img>
90   <p>The strategy of designing information and security systems to be configured and ope
91   <ul>
92     <li>A complex alarm system can have many points of failure, including the hardware
93     <li>A complex computer system has many points of access and may be difficult to se
94   </ul>
95 </div> <!-- Close Post 6-->
96
97 </section> <!-- Close gallery class -->
98
99 <footer>
100   <div class="source">
101     <cite>Content by:</cite>
102     <p><a href="https://www.gen-cyber.com/">GenCyber Academy</a></p>
103   </div>
104   <br />
105   <div class="source">
106     <cite>Mobile Phone:</cite>
107     <p>Image by <a href="https://pixabay.com/users/funkyfocus-3900817/?utm_source=link-att

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

```
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: 1.5rem;
175     font-size: 0.55rem;
176 }
177
178 h1,
179 h2 {
180     text-align: center;
181 }
182
183 img {
184     max-width: 100%;
185     height: auto;
186     border-radius: 2rem;
187 }
188
189 li {
190     padding: 0.2rem;
191 }
192
193 .post {
194     background-color: #FFFBEB;
195     margin: 1.2rem;
196     padding: 1.5rem;
197     line-height: 2rem;
198 }
199
200 .post p {
201     text-indent: 1.2rem;
202 }
203
204 .source {
205     letter-spacing: 0.5px;
206 }
207
208 .source a {
209     text-decoration: none;
210     color: #495579;
211 }
212
213 @media (min-width: 800px) {
214     .gallery {
215         display: flex;
216         flex-wrap: wrap;
217         justify-content: space-around;
218     }
219 }
```

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

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