

```
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <head>
5   <meta charset="UTF-8">
6   <meta name="viewport" content="width=device-width, initial-scale=1.0">
7   <meta http-equiv="X-UA-Compatible" content="ie=edge">
8   <link rel="stylesheet" href="style.css" type="text/css" />
9   <link rel="preconnect" href="https://fonts.googleapis.com">
10  <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
11  <link href="https://fonts.googleapis.com/css2?family=Open+Sans:wght@300;400&display=swap" rel=
12  <title>Cybersecurity Concepts</title>
13 </head>
14
15 <body>
16   <header>
17     <h1>Cybersecurity Concepts</h1>
18   </header>
19
20   <section class="gallery">
21     <div class="post">
22       <h2>Defense in Depth</h2>
23       </img>
24       <p>A comprehensive strategy of including multiple layers of security
25         within a system so that if one layer fails, another layer of security is already i
26         stop the attack/unauthorized access. Examples:</p>
27       <ol>
28         <li>A castle is secured by a moat, a drawbridge, and guards at the gate.</li>
29         <li>Your home computer is secured by locks on the door, an alarm system, and a
30           firewall.</li>
31         <li>Company data is secured by a firewall, passwords, and encryption.</li>
32       </ol>
33     </div> <!-- Close post 1 -->
34
35     <div class="post">
36       <h2>Confidentiality</h2>
37       </img>
38       <p>The property that information is not disclosed to individuals,
39         devices, or processes unless they have been authorized to access the information.<
40     <ul>
41       <li>Student grades can only be accessed by specific individuals within the
42         organization, such as authorized teachers and the principal.</li>
43       <li>At a hospital, medical information about a patient is protected and only provi
44         to authorized personnel.</li>
45       <li>Salary information is typically only available to authorized personnel within
46         company, such as the supervisor and human resources.</li>
47     </ul>
48     </div> <!-- Close post 2 -->
49
50     <div class="post">
51       <h2>Integrity</h2>
52       </img>
53       <p>The property that information, an information system, or a component of a
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54         system has not been modified or destroyed in an unauthorized manner.</p>
55     <ul>
56         <li>Student grades are accurate and have not been modified by an unauthorized user
57         <li> A website is the entity it claims to be.</li>
58         <li>A computer system is virus-free and uncompromised.</li>
59     </ul>
60 </div> <!-- Close post 3 -->
61
62 <div class="post">
63     <h2>Availability</h2>
64     </img>
65     <p>The property that information or information systems are accessible
66     and usable upon demand.</p>
67     <ul>
68         <li>A student's grades can be viewed by the student and principal and modified by
69         <li>A website for a store allows orders to be placed and viewed.</li>
70         <li>A banking system is appropriately accessible by both customers and banking emp
71         <li>A Denial-of-Service attack can result in a system being unavailable and inacce
72     </ul>
73 </div> <!-- Close post 4 -->
74
75 <div class="post">
76     <h2>Think Like an Adversary</h2>
77     </img>
78     <p>The strategy of putting yourself inside the mindset of a potential attacker that al
79     </p>
80     <ul>
81         <li>In order to best protect a student's data, it is useful to think of potential
82         adversaries and their motivations, such as a student wishing harm on another,
83         student seeking to modify his own data, and consider possible strategies - bre
84         access, etc. and build your security strategy accordingly.</li>
85         <li>Discussions on ethics of a cybersecurity professional must correlate with any
86         activity in which adversarial thinking is being modeled.
87         </li>
88     </ul>
89 </div> <!-- Close post 5 -->
90
91 <div class="post">
92     <h2>Keep It Simple</h2>
93     </img>
94     <p>The strategy of designing information and security systems to be
95     configured and operated as simply as possible; all systems perform best when they
96     <ul>
97         <li>A complex alarm system can have many points of failure, including the hardware
98         and the software.
99         </li>
100        <li>A complex computer system has many points of access and may be difficult to
101        secure. A simple solution is often the best strategy.
102        </li>
103    </ul>
104 </div> <!-- Close post 6 -->
105
106
107
108 </section> <!-- Close gallery class -->
109
```

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110     <footer>
111         <div class="source">
112             <cite>Content by:</cite>
113             <p><a href="https://www.gen-cyber.com/">GenCyber Academy</a></p>
114         </div>
115
116         <br />
117         <div class="source">
118             <cite>Mobile Phone:</cite>
119             <p> Image by <a href="https://pixabay.com/users/funkyfocus-3900817/?utm_source=link-at
120                 from <a href="https://pixabay.com/?utm_source=link-attribution&utm_medium=ref
121         </div>
122         <br />
123         <div class="source">
124             <cite>Stamp:</cite>
125             <p>Image by <a href="https://pixabay.com/users/tayebmezahdia-4194100/?utm_source=link-
126                 from <a href="https://pixabay.com/?utm_source=link-attribution&utm_medium=referra
127         </div>
128         <br />
129         <div class="source">
130             <cite>Digitization:</cite>
131             <p>Image by <a href="https://pixabay.com/users/geralt-9301/?utm_source=link-attributio
132                 from <a href="https://pixabay.com/?utm_source=link-attribution&utm_medium=referra
133         </div>
134         <br />
135         <div class="source">
136             <cite>Computer:</cite>
137             <p>Image by <a href="https://pixabay.com/users/geralt-9301/?utm_source=link-attrib
138                 from <a href="https://pixabay.com/?utm_source=link-attribution&utm_medium=ref
139         </div>
140             <br />
141             <div class="source">
142                 <cite>Hacker</cite>
143                 <p>Image by <a href="https://pixabay.com/users/geralt-9301/?utm_source=link-at
144                     from <a href="https://pixabay.com/?utm_source=link-attribution&utm_medium
145             </div>
146             <br />
147             <div class="source">
148                 <cite>LockS</cite>
149                 <p>Image by <a href="https://pixabay.com/users/janbaby-3005373/?utm_source=lin
150             </div>
151         </div>
152     </footer>
153
154 </body>
155
156 </html>
157
158 /* Color Palette:
159 primary: #FFFBEB
160 secondary: #495579
161 tertiary: #263159
162 accent: #251749
163 */
164
165
```

```
166 | html {
167 |     margin: 0;
168 |     padding: 0;
169 |     box-sizing: border-box;
170 | }
171 |
172 | body {
173 |     background-color: #251749;
174 |     font-family: 'Open Sans', sans-serif;
175 | }
176 |
177 | header {
178 |     background-color: #495579;
179 |     color: #fff;
180 |     padding: 1.5rem;
181 |     margin: 1.2rem;
182 | }
183 |
184 | footer {
185 |     background-color: #FFFBEB;
186 |     margin: 1.2rem;
187 |     padding: 1.5rem;
188 |     font-size: 0.55rem;
189 | }
190 |
191 | h1,
192 | h2 {
193 |     text-align: center;
194 | }
195 |
196 | img {
197 |     max-width: 100%;
198 |     height: auto;
199 |     border-radius: 2rem;
200 | }
201 |
202 | li {
203 |     padding: 0.2rem;
204 | }
205 |
206 | .post {
207 |     background-color: #FFFBEB;
208 |     margin: 1.2rem;
209 |     padding: 1.5rem;
210 |     line-height: 2rem;
211 | }
212 |
213 | .post p {
214 |     text-indent: 1.2rem;
215 | }
216 |
217 | .source {
218 |     letter-spacing: 1px;
219 | }
220 |
221 | .source a {
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222     text-decoration: none;
223     color: #495579;
224 }
225
226
227 @media (min-width: 800px) {
228     .gallery {
229         display: flex;
230         flex-wrap: wrap;
231         justify-content: space-around;
232     }
233
234     .post {
235         width: 25%;
236         font-size: 1.1rem;
237     }
238
239     footer {
240         display: flex;
241         justify-content: space-around;
242         align-items: center;
243         font-size: 0.7rem;
244     }
245 }
```