

Cyber Security Concepts

(source code)

```

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="ies=edge">
8      <title>Cyber Security Concepts</title>
9      <link rel="stylesheet" href="style.css" type="text/css" />
10     <link rel="preconnect" href="https://fonts.googleapis.com">
11     <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
12     <link href="https://fonts.googleapis.com/css2?family=Open+Sans:wght@300;400&display=swap" rel="stylesheet">
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
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                 <li>Company data is secured by a firewall, passwords, and encryption.</li>
31             </ol>
32         </div> <!-- close post 1 -->
33         <div class="post">
34             <h2>Confidentiality</h2>
35             </img>
36             <p>The property that information is not disclosed to individuals,
37                 devices, or processes unless they have been authorized to access the information
38                 * Student grades can only be accessed by specific individuals within the
39                 organization, such as authorized teachers and the principal.
40                 * At a hospital, medical information about a patient is protected and only pro
41                 to authorized personnel.</p>
42             <ol>
43                 <li>Student grades can only be accessed by specific individuals within the organi
44                 <li>At a hospital, medical information about a patient is protected and only pro
45                 <li>Salary information is typically only available to authorized personnel with:
46             </ol>
47         </div> <!-- close post 2 -->
48         <div class="post">
49             <h2>Integrity</h2>
50             </img>
51             <p>The property that information, an information system, or a component of a

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52         system has not been modified or destroyed in an unauthorized manner.</p>
53     <ol>
54         <li>Student grades are accurate and have not been modified by an unauthorized user.</li>
55         <li>A website is the entity it claims to be.</li>
56         <li>A computer system is virus-free and uncompromised.</li>
57     </ol>
58 </div> <!-- close post 3 -->
59 <div class="post">
60     <h2>Availability</h2>
61     </img>
62     <p>The property that information or information systems are accessible and usable up
63     <ol>
64         <li>A student's grades can be viewed by the student and principal and modified by the principal.</li>
65         <li>A website for a store allows orders to be placed and viewed.</li>
66         <li>A banking system is appropriately accessible by both customers and banking systems.</li>
67         <li>A Denial-of-Service attack can result in a system being unavailable and inaccessible.</li>
68     </ol>
69 </div> <!-- close post 4 -->
70 <div class="post">
71     <h2>Think Like an Adversary</h2>
72     </img>
73     <p>The strategy of putting yourself inside the mindset of a potential attacker that
74     <ol>
75         <li>In order to best protect a student's data, it is useful to think of potential threats.</li>
76         <li>Discussions on ethics of a cybersecurity professional must correlate with actual threats.</li>
77     </ol>
78 </div> <!-- close post 5 -->
79 <div class="post">
80     <h2>Kepp It Simple</h2>
81     </img>
82     <p>The strategy of designing information and security systems to be configured and controlled.
83     <ol>
84         <li>A complex alarm system can have many points of failure, including the hardware.</li>
85         <li>A complex computer system has many points of access and may be difficult to control.</li>
86     </ol>
87 </div> <!-- close post 6 -->
88 </section> <!-- close galery -->
89
90 <footer>
91     <div class="source">
92         <cite>Content by:</cite>
93         <p><a href="https://www.gen-cyber.com/">GenCyber Academy</a></p>
94     </div>
95     <br />
96     <div class="source">
97         <cite>Mobile Phone:</cite>
98         <p>Image by <a href="https://pixabay.com/users/funkyfocus-3900817/?utm_source=link-attribution&utm_medium=referral&utm_campaign=paid_advertising">funkyfocus</a> from <a href="https://pixabay.com//?utm_source=link-attribution&utm_medium=referral&utm_campaign=paid_advertising">pixabay.com</a></p>
99     </div>
100
101     <br />
102     <div class="source">
103         <cite>Stamp:</cite>
104         <p>Image by <a href="https://pixabay.com/users/tayebmezahdia-4194100/?utm_source=link-attribution&utm_medium=referral&utm_campaign=paid_advertising">tayebmezahdia</a> from <a href="https://pixabay.com//?utm_source=link-attribution&utm_medium=referral&utm_campaign=paid_advertising">pixabay.com</a></p>
105     </div>
106     <br />
107     <div class="source">

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108         <cite>Digitization:</cite>
109         <p>Image by <a href="https://pixabay.com/users/geralt-9301/?utm_source=link-attribui
110     </div>
111     <br />
112     <div class="source">
113         <cite>Availability:</cite>
114         <p>Image by <a href="https://pixabay.com/users/geralt-9301/?utm_source=link-attribui
115     </div>
116     <br />
117     <div class="source">
118         <cite>Adversary:</cite>
119         <p>Image by <a href="https://pixabay.com/users/geralt-9301/?utm_source=link-attribui
120     </div>
121     <br />
122     <div class="source">
123         <cite>Digital Lock:</cite>
124         <p>Image by <a href="https://pixabay.com/users/janbaby-3005373/?utm_source=link-atti
125     </div>
126 </footer>
127
128 </body>
129
130 </html>
131
132 CSS:
133
134 /* color palette:
135 Pri #FFFBEB
136 Sec #495579
137 Ter #263159
138 acc #251749
139 */
140
141 html {
142     margin: 0;
143     padding: 0;
144     box-sizing: border-box
145 }
146
147 body {
148     background-color: #251749;
149     font-family: 'Open Sans', sans-serif;
150
151 }
152
153 header {
154     background-color: #495579;
155     color: #fff;
156     padding: 1.5rem;
157     margin: 1.2rem;
158 }
159
160 footer {
161     background-color: #FFFBEB;
162     margin: 1.2rem;
163     padding: 1.5rem;

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```
164     font-size: 0.55rem;
165
166   }
167
168   h1,
169   h2 {
170     text-align: center;
171   }
172
173   img {
174     max-width: 100%;
175     height: auto;
176     border-radius: 2rem;
177   }
178
179   li {
180     padding: 0.2rem;
181   }
182
183   .post {
184     background-color: #FFFBEB;
185     margin: 1.2rem;
186     padding: 1.9rem;
187     line-height: 2rem;
188   }
189
190   .post p {
191     text-indent: 1.2rem
192   }
193
194   .source {
195     letter-spacing: 1px;
196   }
197
198   .source a {
199     text-decoration: none;
200     color: #495579;
201   }
202
203
204   @media (min-width: 800px) {
205     .gallery {
206       display: flex;
207       flex-wrap: wrap;
208       justify-content: space-around;
209
210     }
211
212     .post {
213       width: 25%;
214       font-size: 1.1rem;
215     }
216
217     footer {
218       display: flex;
219       justify-content: space-around;
```

```
220     align-items: center;
221     font-size: 0.7rem;
222 }
223
224 .source {
225     margin: 1rem;
226     /* while this line never was specified to be here
227        by either the video or midterm outline the footer
228        got really cluttered with all the text so this
229        gives it some much-needed breathing room */
230 }
231 }
```

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