CSF 2023 MIDTERM EXAM

By Dylan Tyrrell

```
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" re
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
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 src="assets/stamp.jpg"></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 pro
47                       to authorized personnel.</li>
48                   <li>Salary information is typically only available to authorized personnel withi
49                       company, such as the supervisor and human resources.</li>
50               </ul>
51
```

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 52                 </div> <!-- Close Post 2 -->
 53
 54             <div class="post">
 55                 <h2>Integrity</h2>
 56                 <img src="assets/digitization.jpg"></img>
 57                 <p>The property that information, an information system, or a component of a
 58                     system has not been modified or destroyed in an unauthorized manner.</p>
 59                 <ul>
 60                     <li>Student grades are accurate and have not been modified by an unauthorized us
 61                     <li>A website is the entity it claims to be.</li>
 62                     <li>A computer system is virus-free and uncompromised.</li>
 63                 </ul>
 64
 65             </div> <!-- Close Post 3 -->
 66
 67             <div class="post">
 68                 <h2>Availability</h2>
 69                 <img src="assets/availability.jpg"></img>
 70                 <p>The property that information or information systems are accessible
 71                     and usable upon demand.
 72                 </p>
 73                 <ul>
 74                     <li>A student's grades can be viewed by the student and principal and modified I
 75                         the teacher. </li>
 76                     <li>A website for a store allows orders to be placed and viewed. </li>
 77                     <li>A banking system is appropriately accessible by both customers and banking
 78                         employees. </li>
 79                     <li>A Denial-of-Service attack can result in a system being unavailable and inac
 80                 </ul>
 81
 82             </div> <!-- Close Post 4 -->
 83
 84             <div class="post">
 85                 <h2>Think Like an Adversary</h2>
 86                 <img src="assets/adversary.jpg"></img>
 87                 <p>The strategy of putting yourself inside the mindset of a potential attacker that
 88                 <ul>
 89                     <li>In order to best protect a student's data, it is useful to think of potentia
 90                         adversaries and their motivations, such as a student wishing harm on another
 91                         student seeking to modify his own data, and consider possible strategies – I
 92                         access, etc. and build your security strategy accordingly. </li>
 93                     <li>Discussions on ethics of a cybersecurity professional must correlate with ar
 94                         activity in which adversarial thinking is being modeled.
 95                     </li>
 96                 </ul>
 97
 98             </div> <!-- Close Post 5 -->
 99
100             <div class="post">
101                 <h2>Keep It Simple</h2>
102                 <img src="assets/KeepItSimple.jpg"></img>
103                 <p>The strategy of designing information and security systems to be
104                     configured and operated as simply as possible; all systems perform best when the
105                 </p>
106                 <ul>
107                     <li>A complex alarm system can have many points of failure, including the hardwa
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108                        and the software.
109                    </li>
110                    <li>A complex computer system has many points of access and may be difficult to
111                        secure. A simple solution is often the best strategy.
112                    </li>
113                </ul>
114
115            </div> <!-- Close Post 6 -->
116        </section> <!-- Close gallery class -->
117
118        <footer>
119            <div class="source">
120                <cite>Content by:</cite>
121                <p><a href="https://www.gen-cyber.com/">GenCyber Academy</a></p>
122            </div>
123            <br />
124            <div class="source">
125                <cite>Mobile Phone:</cite>
126                <p>Image by <a href="https://pixabay.com/users/funkyfocus-3900817/?utm_source=link-a
127                    from <a href="https://pixabay.com//?utm_source=link-attribution&amp;utm_medium=r
128            </div>
129            <br />
130            <div class="source">
131                <cite>Stamp:</cite>
132                <p>Image by <a href="https://pixabay.com/users/tayebmezahdia-4194100/?utm_source=li
133            </div>
134            <br />
135            <div class="source">
136                <cite>Digitization:</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>Availability:</cite>
142                <p>Image by <a href="https://pixabay.com/users/geralt-9301/?utm_source=link-attribu
143            </div>
144            <br />
145
146        <div class="source">
147            <cite>Think Like an Adversary:</cite>
148            <p>Image by <a href="https://pixabay.com/users/geralt-9301/?utm_source=link-attribu
149        </div>
150        <br />
151
152        <div class="source">
153            <cite>Keep It Simple:</cite>
154            <p>Image by <a href="https://pixabay.com/users/janbaby-3005373/?utm_source=link-att
155        </div>
156            </div>
157        </footer>
158
159 </body>
160
161 </html>
162
163 style.css:
```

```
164
165   /* Color Palatte:
166   primary: #FFFBEB
167   secondary: #495579
168   tertiary: #263159
169   accent: #251749
170   */
171
172   html {
173       margin: 0;
174       padding: 0;
175       box-sizing: border-box;
176   }
177
178   body {
179       background-color: #251749;
180       font-family: 'Open Sans', sans-serif;
181   }
182
183   header {
184       background-color: #495579;
185       color: #fff;
186       padding: 1.5rem;
187       margin: 1.2rem;
188   }
189
190   footer {
191       background-color: #FFFBEB;
192       margin: 1.2rem;
193       padding: 1.5rem;
194       font-size: 0.55rem;
195   }
196
197   h1,
198   h2 {
199       text-align: center;
200   }
201
202   img {
203       max-width: 100%;
204       height: auto;
205       border-radius: 2rem;
206   }
207
208   li {
209       padding: 0.2rem;
210   }
211
212   .post {
213       background-color: #FFFBEB;
214       margin: 1.2rem;
215       padding: 1.5rem;
216       line-height: 2rem;
217   }
218
219   .post p {
```

```css
220        text-indent: 1.2rem;
221    }
222
223    .source {
224        letter-spacing: 1px;
225    }
226
227    .source a {
228        text-decoration: none;
229        color: #495579;
230    }
231
232
233    @media (min-width: 800px) {
234        .gallery {
235            display: flex;
236            flex-wrap: wrap;
237            justify-content: space-around;
238        }
239
240        .post {
241            width: 25%;
242            font-size: 1.1rem;
243        }
244
245        footer {
246            display: flex;
247            justify-content: space-around;
248            align-items: center;
249            font-size: 0.7rem;
250        }
251    }
```

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