

Quiz - Realising Design Principles in Code Summary

1. What is graceful degradation?

- ☒ HTML and CSS code that runs as well as possible even on older browsers
- ☐ When browsers try and display badly written HTML as well as they can
- ☐ Crashing with a polite error message
- ☐ Old websites that still work on new browsers

2. Which of these contains the best minimal set of tags for a Bootstrap navbar?

☐

```
1 <navbar>
2   <div>
3     <ul>
4       <li> </li>
5     </ul>
6   </div>
7 </navbar>
```

☐

```
1 <div>
2   <nav>
3     <ul>
4       <li> </li>
5     </ul>
6   </nav>
7 </div>
```

☐

```
1 <body>
2   <div>
3     <ul>
4       <li> </li>
5     </ul>
6   </div>
7 </body>
```

☒

```
1 <nav>
2   <div>
3     <ul>
4       <li> </li>
5     </ul>
6   </div>
7 </nav>
```

3. What is the purpose of div tags?

- ☒ To enable different styles to be applied to different parts of the document.
- ☐ To provide a mathematical operation
- ☐ To cleanly lay out the HTML code
- ☐ To create divisions in the layout for columns.

4. Which of the following are correctly formatted HTML comments?

- ☐

| | | |
|---|--|--|
| 1 | <code><!-- this is a comment --!></code> | |
| | | |
- ☒

| | | |
|---|---|--|
| 1 | <code><!-- this is a comment --></code> | |
| | | |
- ☐

| | | |
|---|--------------------------------------|--|
| 1 | <code>/* this is a comment */</code> | |
| | | |
- ☐

| | | |
|---|-----------------------------------|--|
| 1 | <code>// this is a comment</code> | |
| | | |

5. Which code looks like it defines the collapsed version of a navbar?

☐

```
1 <div>
2   <button> </button>
3 </div>
```

☒

```
1 <nav>
2   <div>
3     <button> </button>
4     <div> </div>
5     <ul>
6       <li> </li>
7       <li> </li>
8       <li> </li>
9     </ul>
10  </div>
11 </nav>
```

☐

<div> </div>

```
1 <div>
2   <ul>
3     <li> </li>
4     <li> </li>
5     <li> </li>
6   </ul>
7 </div>
```

☐

```
1 <body>
2 </body>
```

6. A CSS class has width: 25%. If it is located in a div with a width of 200px, how wide will it be?

☐

```
1 200px
```

☐

```
1 25px
```

☐

```
1 50px
```

☒

```
1 100px
```

7. Which code will present 3 columns to users on a phone in portrait mode? Select all that apply.

- ☐

```
1 <div class="row">
2   <div class="col-xs-3"></div>
3   <div class="col-xs-3"></div>
4   <div class="col-xs-3"></div>
5   <div class="col-xs-3"></div>
6 </div>
```
- ☒

```
1 <div class="row">
2   <div class="col-xs-4"></div>
3   <div class="col-xs-4"></div>
4   <div class="col-xs-4"></div>
5 </div>
```
- ☒

```
1 <div class="row">
2   <div class="col-xs-4"></div>
3   <div class="col-xs-6"></div>
4   <div class="col-xs-2"></div>
5 </div>
```
- ☐

```
1 <div class="row">
2   <div class="col-xs-3"></div>
3 </div>
```

8. Which code will present 6 columns to users on a desktop screen?

- ☐

```
1 <div class="row">
2   <div class="col-lg-12"></div>
3 </div>
```
- ☒

```
1 <div class="row">
2   <div class="col-lg-2"></div>
3   <div class="col-lg-2"></div>
4   <div class="col-lg-2"></div>
5   <div class="col-lg-2"></div>
6   <div class="col-lg-2"></div>
7   <div class="col-lg-2"></div>
8 </div>
```
- ☐

```
1 <div class="row">
2   <div class="col-lg-2"></div>
3   <div class="col-lg-2"></div>
4   <div class="col-lg-2"></div>
5 </div>
```
- ☐

```
1 <div class="row">
2   <div class="col-lg-6"></div>
3 </div>
```

9. What is a Bootstrap theme?

- ☐ A type of component in the Bootstrap library
- ☒ An extension of Bootstrap that overrides the default Bootstrap styles
- ☐ A song that is sung by Bootstrap users
- ☐ A design methodology which uses Bootstrap

10. Put this code at the top of the body content of the basic bootstrap example code:

```
1 <nav class="navbar navbar-default">
2   <div class="container-fluid">
3     <ul class="nav navbar-nav">
4       <li><a href="index.html">Home</a></li>
5       <li class="active"><a href="albums.html">Albums</a></li>
6       <li><a href="photos.html">All photos</a></li>
7     </ul>
8   </div>
9 </nav>
```

Which image correctly shows how the navbar appears in a narrow browser window, such as a phone?



Home

Albums

All photos