1. If a library depends on another library, it forms a _____. 1 / 1 point

   ○ Framework Tree

   ◉ Dependency Tree

   ○ Dependency Document

   ○ Library Box

   > ✓ **Correct**
   > That's correct! A dependency tree represents how libraries depend on other libraries.

2. How many columns does Bootstrap's responsive grid consist of? 1 / 1 point

   ○ 10

   ○ 8

   ○ 14

   ◉ 12

   > ✓ **Correct**
   > That's correct! Bootstrap uses a 12 column responsive grid.

3. To change the style of a Bootstrap component, you use _____. 1 / 1 point

   ○ an infix

   ◉ a modifier

   > ✓ **Correct**
   > That's correct! Modifiers are used to change a component's style.

4. To improve performance, web servers can keep a copy of dynamic content in a _____. 1 / 1 point

   ○ Cloud

   ◉ Cache

   ○ DOM

   > ✓ **Correct**
   > That's correct! Dynamic content can be stored in a cache and updated based on time and/or user interaction.

5. What are the two main approaches for serving code and resources in a Single Page Application called? Select two.

1 / 1 point

- ☐ Packets
- ☑ Bundling

  ✓ **Correct**
  That's correct! Assets, code and dependencies are bundled into a single file and loaded by the application.

- ☐ Code Boxing
- ☑ Code Splitting

  ✓ **Correct**
  That's correct! Large applications can be split into multiple bundles that are loaded as required by the application.

6. React is a _____ that can be used to create single page applications.

1 / 1 point

- ⦿ Library
- ◯ Framework

  ✓ **Correct**
  That's correct! React is a library that can be used to build single page applications.

7. Components allow developers to improve development efficiency by reusing code.

1 / 1 point

- ⦿ True
- ◯ False

  ✓ **Correct**
  That's correct! Components can be reused in multiple parts of your application.

8. A React application is built up of a tree of components called the Component _____.

1 / 1 point

- ◯ Branch
- ◯ Root
- ⦿ Hierarchy
- ◯ Library

  ✓ **Correct**
  That's correct! The Component Hierarchy is a tree of components starting with the Root Component.