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1. What is an API?

1 / 1 point

- ☐ A framework which dictates the architecture of your program and controls the program flow
- ☒ Code that works with data and provides a mechanism for software to access resources from the back-end
- ☐ A practice for dev-ops teams enabling developers to deliver frequent changes reliably
- ☐ A version control system used to manage your code

✓ **Correct**

2. When a user tries to login to a website, he/she gets an authentication failure error. Who do you think can fix this error? (Select **all** that apply)

1 / 1 point

☒ Back-end Developer

✓ **Correct**

☒ Full-stack Developer

✓ **Correct**

☐ Front-end Developer

3. In addition to SQL, which tool can help you access databases?

1 / 1 point

- ☒ ORM
- ☐ CI/CD
- ☐ npm
- ☐ pip

✓ **Correct**

ORM (object-relational mapping) tools can be used to connect to a database and retrieve the correct data, and can hide some of the complexity of querying databases

4. Build automation can automate which of the following tasks? (Select **all** that apply)

1 / 1 point

☒ Packaging binary code

✓ **Correct**

☒ Downloading dependencies

✓ **Correct**

☒ Running tests and deployment to production systems

✓ **Correct**

☐ Compiling binary code into source code

5. A user has complained that the website is readable on desktop but not on mobile. Who can help solve this problem?

1 / 1 point

- ☒ Front-end Developer
- ☐ Back-end Developer

✓ **Correct**

6. Which of the following describe a **package manager**? (Select **all** that apply)

1 / 1 point

☒ Takes care of finding, installing, maintaining or uninstalling software packages

✓ Correct

- ☐ Contains application files, instructions for installation, and metadata
- ☒ A way to distribute your pre-packaged application(s)

✓ Correct

7. Which of the following adds interactivity and dynamic content to a website?

1 / 1 point

- ☒ JavaScript
- ☐ Git
- ☐ CSS
- ☐ HTML

✓ Correct

8. Which of these is an open-source server side platform built on the Google Chrome JavaScript engine and uses an asynchronous single threaded architecture that allows it to serve a very large number of concurrent connections?

1 / 1 point

- ☐ Flask
- ☐ Angular
- ☒ Node.js
- ☐ React JS

✓ Correct

Node.js is an open source server side platform built on the Google Chrome JavaScript engine. It uses an asynchronous single threaded architecture that allows it to serve a very large number of concurrent connections.

9. Which of the following frameworks and libraries are used for front-end? (Select **all** that apply)

0.8 / 1 point

- ☒ Vue.js

✓ Correct

Vue.js is a **front-end framework** focused on building user interfaces

- ☐ Express
- ☐ Node.js
- ☐ React.js
- ☒ Angular

✓ Correct

Angular is a **front-end framework** that allows websites to render HTML pages quickly and efficiently. It has built-in tools for routing and form validation

You didn't select all the correct answers

10. Which of the following is **NOT** a required skill for a front-end developer?

1 / 1 point

- ☐ HTML
- ☒ Java
- ☐ CSS
- ☐ JavaScript

✓ Correct