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## Graded Quiz

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1. The Node.js framework doesn't provide many features for building web apps. What do developers rely on to extend Node.js features?

1 / 1 point

- ☒ External libraries and packages
- ☐ JavaScript
- ☐ JSON
- ☐ Timely updates



**Correct**

Developers rely on external libraries and packages to extend the core Node.js functionality.

2. Node.js doesn't provide a parsing function for which language?

1 / 1 point

- ☐ JSON
- ☒ XML
- ☐ JavaScript
- ☐ HTML



**Correct**

Node.js does not provide a parsing function for extensible markup language (XML) messages.

3. One disadvantage of manual parsing is that string matching ignores the XML data structure. However, depending on XML data complexity, string matching might be more efficient than what?

1 / 1 point

- ☐ An XML root element
- ☐ No alternative: string matching is never more efficient.
- ☐ An XML attribute structure
- ☒ An XML tree of the data



**Correct**

String matching might be more efficient than building an XML tree of the data.

4. Which Node.js package can parse a string of XML elements into a JavaScript object?

1 / 1 point

- ☐ XML-JS
- ☐ Async.js
- ☐ Expressjs
- ☒ xml2js



**Correct**

The xml2js Node.js package parses a string of XML elements into a JavaScript object.

5. Which web application framework is based on the Node.js runtime environment?

1 / 1 point

- ☒ Express
- ☐ JSON
- ☐ Async.js
- ☐ XML-JS



**Correct**

Express is a web application framework based on the Node.js runtime environment.

6. The Node.js framework treats HTTP requests at a lower network level. In contrast, Express implements an app class for what purpose?

1 / 1 point

- ☐ Look up web services
- ☐ Parse through a network path
- ☒ Map to a web resource path
- ☐ Access a URL

✓ **Correct**

Express implements an app class that you map to a web resource path.

7. Which function relies on custom callback functions to parse across web resource path?

1 / 1 point

- ☒ http.createServer
- ☐ ReadableStream
- ☐ createServer()
- ☐ http.IncomingMessage

✓ **Correct**

The http.createServer function relies on a custom callback function to parse through the web resource path.

8. After creating the new route handler to handle web application requests, what occurs next?

1 / 1 point

- ☒ Listen to incoming HTTP GET requests
- ☐ Pass the parameter location
- ☐ Access a variable in the path
- ☐ Store values in a location variable

✓ **Correct**

After you create a route handler, you listen to incoming HTTP GET requests.

9. What do you call to create a web server object to listen for incoming requests on a port?

1 / 1 point

- ☐ app.request
- ☐ http.name
- ☒ app.listen
- ☐ http.view

✓ **Correct**

You call app.listen to create a web server object that listens to incoming requests on the specified port.

10. After you've imported a copy of the Express web application framework, what must you do next?

1 / 1 point

- ☐ Configure a route handler
- ☒ Create an instance of the app JavaScript object
- ☐ Write code
- ☐ Reconfigure Node.js

✓ **Correct**

You create an instance of the app JavaScript object from the framework.