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### 4.302 End of topic 4 summative quiz [001]

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1. Why do we need to import body-parser in our node.js web application?

1 / 1 point

- ☒ To parse the information coming along with the form
- ☐ To be able to access req.query
- ☐ To collect form data when the request method is GET
- ☐ To run an express web server

✓ Correct

2. Which one of the following collect data from a form with a GET request?

1 / 1 point

- ☐ req.body
- ☐ res.send
- ☒ req.query
- ☐ req.send

✓ Correct

3. Which of the following is for collecting form data from a POST request?

1 / 1 point

- ☐ res.send
- ☐ req.send
- ☐ req.query
- ☒ req.body

✓ Correct

4. Which of the following is the best action to take when form data is invalid?

1 / 1 point

- ☐ Re-display the form with any user populated values
- ☐ Re-direct to another page
- ☐ Show error messages for problem fields and re-direct to the home page
- ☒ Re-display the form with any user populated values and error messages for the problem fields

✓ Correct

5. What is the purpose of this piece of code?

1 / 1 point

```
1 <form method="POST" action="/topic4/htmlExpress/update">
2   <input id="username" type="text" name="username" value="username" />
3   <input id="password" type="text" name="password" value="password" />
4   <input type="submit" value="OK" /></form>
```

- ☐ To display a form to collect data with a GET request
- ☐ To display a form to collect form data with two edit boxes named username and password and then run update.html file when the submit button is pressed
- ☐ To display a form to collect form data with two edit boxes named username and password and then run update.html file when the submit button is pressed

- ☐ To define a new route in our web application named 'update'
- ☒ To display a form with two edit boxes named username and password and to re-direct to 'update' route when the submit button is pressed

✓ Correct

6. Which of the following is a correct statement?

1 / 1 point

- ☐ The GET request method submits data to be processed and form data is sent to the server in the body of the request
- ☐ The POST request method requests data and form data is sent to the server in the URL
- ☐ The POST request method submits data to be processed and form data is sent to the server in the URL
- ☒ The GET request method requests data and form data is sent to the server in the URL

✓ Correct

7. What URL will be requested if the user immediately clicks submit?

1 / 1 point

```
1 <form action="https://example.com/form/search" method="GET">
2   <input id="search-box" type="text" name="search-keyword" value="Default">
3   <input type="submit" value="OK">
4 </form>
```

- ☐ https://example.com/form/search?search-keyword=""
- ☐ https://example.com/form/search
- ☐ https://example.com/form/search?search-keyword
- ☐ https://example.com/form/search?name=search-keyword&value=Default
- ☒ https://example.com/form/search?search-keyword=Default

✓ Correct

Yes, the form data is encoded into the query part of the URL (which comes after ?)

8. Which ONE of the following statements about choosing between GET and POST is CORRECT?

1 / 1 point

- ☐ Since POST puts information in the URL of its request, it is insecure and should be avoided for confidential data
- ☐ GET is faster than POST, because it uses HTTP
- ☐ POST should be used for retrieving data, GET should be used for writing data
- ☒ GET should not be used when data must be sent securely, because (unlike POST) data is sent in the URL and can be more easily read by others

✓ Correct

Correct - GET is not intended as a secure mechanism for sending information.

9. What changes will happen in our web application, if we delete "method=GET" from this piece of code?

1 / 1 point

```
1 <form action="/search" method="GET">
2   <input id="search-box" type="text" name="search-keyboard" value="Default">
3   <input type="submit" value="OK"></form>
```

- ☐ It runs to this error: GET request error
- ☒ Nothing
- ☐ It runs to this error: POST request error
- ☐ It runs to this error: HTTP request error

✓ Correct

10. A browser can submit values to your web application using GET or POST requests. These values can be extracted from which of the following fields of the request object:

1 / 1 point

- ☐ request.get.args & request.post.args

☒ request.query & request.body

☐ request.get & request.post

☐ request.url & request.form

☒ **Correct**

Yes, request.query is correct for URL (i.e. GET) data, and request.body is correct for form (POST) data.

11. Which of the following could describe 'input validation' in the context of form handling?

1 / 1 point

☐ Removes or replaces characters in the data that might potentially be used to send malicious content to the server

☒ Checks that the entered values are appropriate for each field

☒ **Correct**

This is correct and is part of the answer.

☒ Checks that values have been supplied for all required fields

☒ **Correct**

This is correct and is part of the answer.

☐ Sanitisation and validation are synonyms for checking input data in forms