

Week 12 - Express Auth

Total points 9/24 ?

✗ What is asymmetric encryption? * 0/1

- ☐ It uses 3 keys, a public key to encrypt, and 2 private keys to decrypt.
- ☐ It uses 2 keys, a public key to encrypt and private key to decrypt.
- ☒ It uses 4 keys, 2 public keys to encrypt, and 2 private keys to decrypt. ✗

Correct answer

- ☒ It uses 2 keys, a public key to encrypt and private key to decrypt.

✗ What is Bcrypt? * 0/1

- ☒ Middleware ✗
- ☐ Strong hashing algorithm.
- ☐ API

Correct answer

- ☒ Strong hashing algorithm.

✗ What is the difference between Authentication and Authorization? * .../1

zfx ✗

Correct answers

Authentication is the process of identifying an actor given known credentials whereas authorization is the process of checking privileges for an identified actor.

Authentication is the who, Authorization is the what.

Authentication is the who. Authorization is the what.

✗ What is an express middleware package used to implement cross-site resource sharing? * 0/1

- ☒ cores ✗
- ☐ cors
- ☐ morgan
- ☐ express

Correct answer

- ☒ cors

✗ What is an express middleware packages that extracts a bearer token from a request? * 0/1

- ☐ express-token
- ☒ bearer-express-token ✗
- ☐ express-bearer-token
- ☐ token-express-bearer

Correct answer

- ☒ express-bearer-token

✓ What is express.json()? * 1/1

- ☒ Built-in middleware that allows you to parse the body of an HTTP request containing data formatted in json. ✓
- ☐ Built-in middleware that allows express to parse the header of an HTTP request containing data formatted in json.

✗ Using RESTful endpoints, how would you get all resources of albums? * .../1

dfgdfg ✗

Correct answer

GET /albums

✗ Using RESTful endpoints, how would you create a single resource? * .../1

dfgdfg ✗

Correct answer

POST /albums

✖ Using RESTful endpoints, how would you delete all resources? * 0/1

dfgdfg ✖

Correct answer

DELETE /albums

✖ What HTTP request method requests a resource? * 0/1

☒ POST ✖

☐ GET

☐ PATCH

☐ REQ

Correct answer

☒ GET

✖ What HTTP request method updates a resource? * 0/1

☒ UPDATE ✖

☐ GET

☐ PUT

☐ PATCH

Correct answer

☒ PUT

✔ What HTTP request method creates a resource? * 1/1

☐ CREATE

☒ POST ✔

☐ GENERATE

☐ PATCH

✔ What HTTP request method partially modifies a resource? * 1/1

☐ UPDATE

☒ PATCH ✔

☐ PARTIAL

☐ GET

✖ What HTTP request methods removes a specified resource? * 0/1

☒ REMOVE ✖

☐ DELETE

☐ GET

☐ DESTROY

Correct answer

☒ DELETE

✔ What does JWT stand for? * 1/1

☐ Javascript Web Token

☒ JSON Web Token ✔

☐ Java Web Token

☐ Jason Web Token

✔ What is REST? * 1/1

☒ Representational State Transfer ✔

☐ Representational Structure Transfer

☐ Resource State Transfer

☐ Representational Static Transfer

✓ What is symmetric encryption? * 1/1

- ☒ Uses one value to encrypt and decrypt data. ✓
- ☐ Uses 2 values to encrypt and 1 to decrypt data.
- ☐ Uses 1 value to encrypt and 2 to decrypt data.

✗ What is cryptographic salt? * 0/1

- ☒ Salt is a large random string or set of bits that gets prepended to a user's password after hashing it, making rainbow attacks very impractical. ✗
- ☐ A salt is small, random string or set of bits that gets appended to a user's password before hashing it, making rainbow attacks very impractical.
- ☐ A salt is small, random string or set of bits that gets prepended to a user's password after hashing it, making rainbow attacks very impractical.
- ☐ A salt is small, random string or set of bits that gets appended to a user's password after hashing it, making rainbow attacks very impractical.

Correct answer

- ☒ A salt is small, random string or set of bits that gets appended to a user's password before hashing it, making rainbow attacks very impractical.

✗ What is a rainbow attack? * 0/1

- ☒ When rainbows attack your code and turn everything into rainbows. ✗
- ☐ A rainbow attack involves hashing common passwords and searching for the results in a database.
- ☐ A rainbow attack involves hashing large passwords and searching for the results in a database.
- ☐ A rainbow attack involves hashing common passwords and searching for the results in Google.

Correct answer

- ☒ A rainbow attack involves hashing common passwords and searching for the results in a database.

✗ What is hashing? * 0/1

- ☐ When you make hashbrowns.
- ☐ Hashing is the process of converting a message of any length into a short, fixed-length string. Hashed values cannot be translated back to their original input values.
- ☒ The process of converting strings into numbers to make it harder to hack. ✗

Correct answer

- ☒ Hashing is the process of converting a message of any length into a short, fixed-length string. Hashed values cannot be translated back to their original input values.

✓ What is OAuth? * 1/1

- ☒ A protocol that allows Internet users to grant applications access to their information via a trusted third party. ✓
- ☐ Open authorization.
- ☐ Protocol used to allow passwords to be shared with other websites.

✓ What is the purpose of auth tokens? * 1/1

- ☐ Used for gaining access to private websites.
- ☒ An application uses the access token to gain access to the user's data from the service API. Auth tokens do not have encryption or decryption properties. ✓
- ☐ Used to gain access to user passwords.
- ☐ Used to encrypt passwords.

✓ What is the purpose of the JWT signature? * 1/1

- ☒ JWTs don't make the data unavailable. A JWT signature is generated from the header, payload and a secret key to ensure that no malicious actor has tampered with the data. It is impossible to generate a valid signature without a secret key. ✓
- ☐ JWT signature makes the data available.
- ☐ JWT signature makes the data unavailable.

✗ Using RESTful endpoints, how would you update a single resource? * .../1

dfg ✗

Correct answer

