

Exercise: HTTP Status Codes

Determining the best HTTP status code for each API interaction.

Instructions

Identify the HTTP status code that is most appropriate to return in each of the following situations:

1.

Situation: A client application sends `DELETE /students/14`, but the identified student record does not exist.

HTTP Result Code: _____

2.

Situation: A client application sends `DELETE /students/14` and the server successfully deletes student record #14.

HTTP Result Code: _____

3.

Situation: after student record #14 has been successfully deleted, the client applications immediately sends `DELETE /students/14` again.

HTTP Result Code: _____

4.

Situation: a client application wants to create a student record on the server and sends `POST /students` with a valid request body. The server creates the record immediately.

HTTP Result Code: _____

5.

Situation: a client application wants to create a student record on the server and sends `POST /students` with a valid request body. The server schedules a job to create the record, but the record will not actually be created until the following day.

HTTP Result Code: _____

Exercise: HTTP Status Codes

6.

Situation: a client application wants to create a student record on the server and sends `POST /students` with an invalid request body. The server identifies that the request body is invalid and rejects the request.

HTTP Result Code: _____

7.

Situation: a client application wants to retrieve a specific student record and sends `GET /students/14`. The record exists and the server responds with a representation of the record.

HTTP Result Code: _____

8.

Situation: a client application wants to check if a student record exists and sends `HEAD /students/14`. The server responds with a result indicating that the record exists.

HTTP Result Code: _____

9.

Situation: a client application wants to add a new Student record and sends `POST /students`. The student record database rejects the system's attempt to insert a new record into the database table. The exact cause of the error is unknown.

HTTP Result Code: _____

10.

Situation: a client application wants to check if a student record exists and sends `HEAD /students/14` to `http://students.com/api`. But, the API that handles these requests has been moved to `http://education.gov/students/api`.

HTTP Result Code: _____