

TRIMESTER 2 2023 COSC260 Web Programming

Question 35

Answer saved
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The size of an uploaded file must be between 50 and 250MB.

a) Implement a client side code snippet to check the size of the file, providing an appropriate message if the file is not within the required limits.

b) Identify the limitations of this approach.

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```
function checkFileSize() {
    const fileInput = document.getElementById('fileInput');
    if (fileInput.files.length > 0) {
        const file = fileInput.files[0];
        const fileSizeInBytes = file.size;
        const fileSizeInMB = fileSizeInBytes / (1024 * 1024); // Converting to MB
        if (fileSizeInMB < 50) {
            alert('File size is too small. Please upload a file between 50MB and 250MB.');
```

Question 36

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The size of an uploaded file must be between 50 and 250MB .

a) Implement a server side code snippet to check the size of the file, providing an appropriate message if the file is not within the required limits. Your implementation must be achieved such that it cannot be overridden by the client.

b) Explain why the code you provided in a) is the most effective way of regulating file size.

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```
<?php
$minFileSize = 50 * 1024 * 1024;
$maxFileSize = 250 * 1024 * 1024;
if (isset($_FILES['uploadedFile'])) {
    $fileSize = $_FILES['uploadedFile']['size'];
    if ($fileSize < $minFileSize) {
        echo "Error: File size is too small. Please upload a file between 50MB and 250MB.";
```

Question 37

Answer saved
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a) Using what you've learned in this unit, create a server-side class to represent a star sign. It should have the properties:

- name
- start date
- end date AND
- zodiac element

You must make use of an appropriate interface to ensure that it is possible to return a JSON encoded representation of an object of this class.

b) Create an array containing multiple objects of the class you created in a). The objects may

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7) Create an array containing multiple objects of the class you created in 6). The objects may represent the following star signs:

- Capricorn, Dec 22-Jan 19, Earth
- Aquarius, Jan 20-Feb 18, Air
- Pisces, Feb 19-Mar 20, Water

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```
<?php
class StarSign implements JsonSerializable {
    private $name;
    private $startDate;
    private $endDate;
    private $zodiacElement;

    public function __construct($name, $startDate, $endDate, $zodiacElement) {
        $this->name = $name;
        $this->startDate = $startDate;
        $this->endDate = $endDate;
        $this->zodiacElement = $zodiacElement;
    }
}
```

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