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# HTTP-Requests

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## Overview

A JavaScript **HTTP request** is a server side object that represents a *request* to the server.

## Tutorial

### Request Methods

HTTP defines a set of **request methods** to indicate the desired action to be performed for a given resource. Each of them implement a different semantic, but common features are shared by a group of them (e.g. a request method can be *safe*, *idempotent*, or *cacheable*).

#### GET

The **GET** method requests a representation of the specified resource. Requests using **GET** should only retrieve data.

#### HEAD

The **HEAD** method asks for a response identical to that of a **GET** request, but without the response body.

#### POST

The **POST** method is used to submit an entity to the specified resource, often causing a change in state or side effects on the server.

#### PUT



403 tells the client that the requested data is access-protected and that the request cannot be performed due to the client not having the authority.

An automatically generated HTML page will let the user know about the access problem.

### 404 - Not found

404 means that the requested website information was not found on the server. It could be that the address no longer exists or the contents were moved to a new address without notice.

Users that receive a 404 message should check whether the address was correctly written in the address bar. Any links to non-existing pages are known as *dead links*.

## Server Errors

### 500 - Internal Server Error

The 500 server response functions as a collection status code for unexpected server errors. If an error occurs on the server's part, which prevents the requested data from being retrieved, this HTTP status code will automatically be issued.

This should be analysed by the website owner so that repairs can be carried out on the server software.

For further information on each of the status codes, click [this link if you are a dog person](#) and [this link if you are a cat person](#).

## Exercises

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There are no exercises for this module.