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API Call GET /users List all users GET /users?name={username} GET /users/{id} Get user by ID GET Get all configurations for user		, ,
GET /users GET /users Get user by username /users?name={username} GET /users/{id} Get user by ID GET Get all configurations for user	•	X .
GET / Get user by username / Users?name={username} GET / users/{id} Get user by ID GET Get all configurations for user	API Call	Action
/users?name={username} GET /users/{id} Get user by ID GET Get all configurations for user	GET /users	List all users
GET /users/{id} Get user by ID GET Get all configurations for user	GET	Get user by username
GET Get all configurations for user	/users?name={username}	
	GET /users/{id}	Get user by ID
	GET	Get all configurations for user
	/users/{id}/configurations	
POST Create a new configuration for user		Create a new configuration for user
/users/{id}/configurations	/users/{id}/configurations	

	elete configuration for user
/users/{id}/configurations/{i	elete configuration for user
-	
d} PATCH Up	pdate configuration for use
/users/{id}/configuration/{id}	puate configuration for use
/users/{iu}/comiguration/{iu}	
Web Services	
SOAP (Sin	imple Object Access Protocol) is a standard protocol defined by the W3C standards
I I	r sending and receiving web service requests and responses.
	Epresentational State Transfer) is the web standards-based architecture that uses
ht	TTP. Unlike SOAP-based Web services, there is no official standard for RESTful Web
	reate, Read, Update & Delete
HTTP Request Methods	
-	fetches the information from the server. Moreover, it is the most commonly used
	ethod which does not have a request body. Every time you open a website, the Get
	quest fires to retrieve the website contents. Additionally, it is equivalent to the
	works to send data to the server. User may add or update data using the Post
	quest. They send the information that needs to update in the request body.
	is similar to the Post method since it updates the data. The only difference is that
	e use it when we have to replace an existing entity completely
	s again similar to Post and Put methods, but user use it when they have to update
	ome data partially. Moreover, unlike the Post and Put methods, user may send only
	e entity that needs updation in the request body with the Patch method.
	is similar to the Get method, but it retrieves only the header data and not the
	ntire response body. User use it when they need to check the document's file size
	ithout downloading the document.
DELETE It o	deletes the server's representations of resources through the specific URL.
Ad	dditionally, just like the Get method, it does not have a request body.
OPTIONS It is	is not a widely used method when compared to other ones. It returns data
	ecifying the different methods and the operations supported by the server at the
	pecifying the different methods and the operations supported by the server at the
HTTP Response Status Codes	pecifying the different methods and the operations supported by the server at the escription
HTTP Response Status Codes Code De	
HTTP Response Status Codes Code Des 1xx info	escription formational response, request was received, continuing process
HTTP Response Status Codes Code Dec. 1xx info 100 Code	escription formational response, request was received, continuing process ontinue: The client can continue with the request as long as it doesn't get rejected.
HTTP Response Status Codes Code De. 1xx info 100 Coo 101 Sw	escription formational response, request was received, continuing process ontinue: The client can continue with the request as long as it doesn't get rejected. witching Protocols: The server is switching protocols.
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HTTP Response Status Codes Code De. 1xx info 100 Co 101 Sw 102 Pro no 103 Ear	formational response, request was received, continuing process ontinue: The client can continue with the request as long as it doesn't get rejected. witching Protocols: The server is switching protocols. rocessing, It indicates that the server has received and is processing the request, but o response is available yet. arly Hints, it primarily intended to be used with the Link header, letting the user
HTTP Response Status Codes Code Dec. 1xx info 100 Cod 101 Sw 102 Pro 103 Ear age	formational response, request was received, continuing process ontinue: The client can continue with the request as long as it doesn't get rejected. witching Protocols: The server is switching protocols. rocessing, It indicates that the server has received and is processing the request, but to response is available yet. Output Description
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Specific Specific	formational response, request was received, continuing process ontinue: The client can continue with the request as long as it doesn't get rejected. witching Protocols: The server is switching protocols. rocessing, It indicates that the server has received and is processing the request, but oresponse is available yet. arly Hints, it primarily intended to be used with the Link header, letting the user gent start preloading resources while the server prepares a response. Indicates, request was successfully received, understood, and accepted K: The request succeeded reated: The request succeeded, and a new resource was created as a result. This is pically the response sent after POST requests, or some PUT requests.
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Specific S	formational response, request was received, continuing process continue: The client can continue with the request as long as it doesn't get rejected. Witching Protocols: The server is switching protocols. Cocessing, It indicates that the server has received and is processing the request, but the presponse is available yet. Carly Hints, it primarily intended to be used with the Link header, letting the user gent start preloading resources while the server prepares a response. Cocess, request was successfully received, understood, and accepted K: The request succeeded Ceated: The request succeeded, and a new resource was created as a result. This is pically the response sent after POST requests, or some PUT requests. Cocepted: Request accepted for processing, but in progress Con-Authoritative Information: The information in the entity header is not from an riginal source but a third-party

207	Marki Shahar Commission which and bring the shahar
207	Multi-Status, Conveys information about multiple resources, for situations where
3xx	multiple status codes might be appropriate. Redirection, further action needed in order to complete the request
300	Multiple Choices: Response with a list for the user to select and go to a location
301	Moved Permanently: Requested page moved to a new url
302	Found: Requested page moved to a temporary new URL
303	See Other: One can find the Requested page under a different URL
305	Use Proxy: Requested URL need to access through the proxy mentioned in the
	Location header
307	Temporary Redirect: Requested page moved to a temporary new URL
308	Permanent Redirect: This means that the resource is now permanently located at
	another URI, specified by the Location: HTTP Response header.
4xx	Client Error, request contains bad syntax or cannot be fulfilled
400	Bad Request: Server unable to understand the request
401	Unauthorized: Requested content needs authentication credentials
403	Forbidden: Access is forbidden
404	Not Found: Server is unable to find the requested page
405	Method Not Allowed: Method in the request is not allowed
407	Proxy Authentication Required: Need to authenticate with a proxy server
408	Request Timeout: The request took a long time as expected by the server
409	Conflict: Error in completing request due to a conflict
411	Length Required: We require the "Content-Length" for the request to process
415	Unsupported Media Type: Unsupported media-type
417	Expectation Failed, it means the expectation indicated by the Expect request header
	field cannot be met by the server.
421	Misdirected Request, request was directed at a server that is not able to produce a
423	Locked, the resource that is being accessed is locked
429	Too Many Requests, user has sent too many requests in a given amount of time
5xx	Server Error, the server failed to fulfil an apparently valid request
500	Internal Server Error: Request not completed due to server error
501	Not Implemented: Server doesn't support the functionality
502	Bad Gateway: Invalid response from an upstream server to the server. Hence, the
	request not complete
503	Service Unavailable: The server is temporarily down
504	Gateway Timeout: The gateway has timed out
505	HTTP Version Not Supported: Unsupported HTTP protocol version
507	Insufficient Storage, method could not be performed on the resource because the
	server is unable to store the representation needed to successfully complete the
511	Network Authentication Required, it indicates that the client needs to authenticate
	to gain network access