

API Specification Doc

(Listing App)

Version	Date	Authors	Description
1.0	10-23-2017	Ahmed Osama & Musadiq ali	Listing app

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Methods

1. Register

Request

Method	URL
POST	authentication/register/

2. login

Authenticate the user with the system and obtain the auth_token.

Request

Method	URL
POST	authentication/login/

Type	Params	Values
HEAD	api_key (authorization)	string
POST	username	string
POST	password	string

api_key

“authorization” must be sent with all client requests. The “authorization” helps the server to validate the request source.

Response

Status	Response
200	{

	<pre>" authorization": <auth_key> }</pre> <p>“authorization” (string) - all further API calls must have this key in header</p>
403	<pre>{"message": "API key is missing."}</pre>
400	<pre>{" message ": "Please provide username."}</pre>
400	<pre>{" message ": "Please provide password."}</pre>
401	<pre>{" message ": "Invalid API key."}</pre>
401	<pre>{" message ": "Incorrect username or password."}</pre>
500	<pre>{" message ": "Something went wrong. Please try again later."}</pre>

3. get updates

Get the new updates

Request

Method	URL
POST	authentication/updates/id

Type	Params	Values
HEAD POST	authorization id	string number

auth_key

The `auth_key`(authorization
) that was given in response to `/authentication/login`

4. deletions

Get the user that were deleted from the web interface, so that they can be deleted from the internal database also.

Request

Method	URL
POST	authentication/deletions/id

Type	Params	Values
HEAD POST	auth_key(authorization) id	string number

version

The current version of internal database. Each time when updates are pulled from the API, the internal database version increases.

Response

Status	Response
200	An array containing the ID's of user to delete is given Example response:- <code>{"deletions":[10,11,40], "version":"5"}</code>
400	<code>{"error":"Please specify database version."}</code>
400	<code>{"error":"Invalid database version."}</code>
401	<code>{"error":"Invalid Auth key."}</code>
500	<code>{"error":"Something went wrong. Please try again later."}</code>

5. profile

Get more information on a particular User

Request

Method	URL
GET	authentication /profile/_id

Type	Params	Values
HEAD URL_PARAM	auth_key <user_id>	string number

Response

Status	Response
200	An array containing the ID's of user to delete is given Example response:- {"user": "Ahmed"}
400	{"error": "Please provide user_id."}
400	{"error": "Invalid user _id."}
401	{"error": "Invalid Auth key."}
500	{"error": "Something went wrong. Please try again later."}

6. ad product

Request

Method	URL
POST	products/product/ad

7. update product

Request

Method	URL
PUT	products/updateProduct/id

8. delete product

Request

Method	URL
DELETE	products/deleteProduct/id

9. reviews

Request

Method	URL
POST	products/reviews

10. like

Request

Method	URL
PUT	products / product /likeProduct

11. dislike

Request

Method	URL
PUT	products / product/dislikeProduct

12. ad service

Request

Method	URL
POST	services/service/ad

13. update service

Request

Method	URL
PUT	services/updateService/id

14. delete service

Request

Method	URL
DELETE	services/deleteService/id

15. like

Request

Method	URL
PUT	services/service/likeProduct

16. dislike

Request

Method	URL
PUT	services/service/dislikeProduct

17. compare product rate

Request

Method	URL
GET	Compare/ <i>product_rats</i>

18. reviews

Request

Method	URL
POST	services/reviews

Glossary

Conventions

- **Client** - Client application.
- **Status** - HTTP status code of response.
- All the possible responses are listed under 'Responses' for each method. Only one of them is issued per request server.
- All response are in JSON format.
- All request parameters are mandatory unless explicitly marked as [optional]
- The type of values accepted for a *request* parameter are shown the the values column like this [**10**|<any number>]. The | symbol means OR. If the parameter is [optional], the default value is shown in blue bold text, as **10** is written in [**10**|<any number>].

Status Codes

All status codes are standard HTTP status codes. The below ones are used in this API.

2XX - Success of some kind

4XX - Error occurred in client's part

5XX - Error occurred in server's part

Status Code	Description
200	OK
201	Created
202	Accepted (Request accepted, and queued for execution)
400	Bad request
401	Authentication failure
403	Forbidden
404	Resource not found
405	Method Not Allowed
409	Conflict
412	Precondition Failed

413	Request Entity Too Large
500	Internal Server Error
501	Not Implemented
503	Service Unavailable