

Supplementary Materials: API Documentation

for

FINDR

Version 1.0 approved

Prepared by

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Revision History

Name	Date	Reason For Changes	Version
LEE JUIN	2022-10-19	Initial write-up.	1.0

Documentation Standards

This document contains the technical documentation for all Application Programmable Interface (API) endpoints provided by *FindR* back-end server to accommodate the web application. This document is intended for the *FindR* developer team and testing team.

The *FindR* back-end server is built using the Python Django framework. Thus, all documentation found within this document follows the Python 3.10 standards. The *FindR* API endpoints are built using REST architecture using the Django REST framework.

The *FindR* developer team hereby acknowledges and agrees to issue a free and full open-source access to all API endpoints provided from the *FindR* back-end server under the BSD-3 Clause license. Specifics pertaining to the license for this project can be found in *Appendix A: License Agreement*.

1. FindR API Endpoints

1.1 Login

api/v1/accounts/login

Use this endpoint to login.

1.1.1 Get Requests

Response Parameters

Parameters	Type	Example	Description
error	string	status_invalid_access	Indicate the error that occurred. "status_OK" is returned if no error.
error_message	string	User is already logged in.	Indicate the error that occurred.
username	string	Neo-Zenith	Username if the user was previously authenticated. This field will not be returned if error is not "status_OK".

1.1.2 Post Requests

Request Parameters

Parameters	Type	Example	Description
username	string	Neo-Zenith	Username chosen by the user on sign up.

password	string	PA55w0rD@123	Password chosen by the user on sign up.
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Response Parameters

Parameters	Type	Example	Description
error	string	status_invalid_credentials	Indicate the error that occurred. "status_OK" is returned if no error.
error_message	string	Invalid username and/or password.	Indicate the error that occurred.

1.2 Signup

api/v1/accounts/signup

Use this endpoint to register for an account.

1.2.1 Get Requests

Response Parameters

Parameters	Type	Example	Description
error	string	status_invalid_access	Indicate the error that occurred. "status_OK" is returned if no error.
error_message	string	User is already logged in.	Indicate the error that occurred.
username	string	Neo-Zenith	Username if the user was previously authenticated. This field will not be

			returned if error is not "status_OK".
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1.2.2 Post Requests

Request Parameters

Parameters	Type	Example	Description
username	string	Neo-Zenith	New user choice of unique username.
email	string	abc@gmail.com	New user's email address.
password	string	PA55w0rD@123	New user choice of password.

Response Parameters

Parameters	Type	Example	Description
error	string	status_invalid_credentials	Indicate the error that occurred. "status_OK" is returned if no error.
error_message	string	Username has been taken.	Indicate the error that occurred.

1.3 Email Authentication

api/v1/accounts/signup/authenticate

Use this endpoint to authenticate the email for an account.

1.3.1 Get Requests

Query Parameters

Parameters	Type	Example	Description
email	string	abc@gmail.com	Email of user during signup.

Response Parameters

Parameters	Type	Example	Description
error	string	status_invalid_access	Indicate the error that occurred. "status_OK" is returned if no error.
error_message	string	User email does not match query parameter.	Indicate the error that occurred.

1.3.2 Post Requests

Request Parameters

Parameters	Type	Example	Description
code	string	10908092	8-digit code sent to the user's email address.

Response Parameters

Parameters	Type	Example	Description
error	string	status_invalid_credentials	Indicate the error that occurred. "status_OK" is returned if no error.

error_message	string	Invalid OTP.	Indicate the error that occurred.
user	string	Neo-Zenith	Username of the user who successfully completed the authentication. This field will not be returned if error is not "status_OK".

1.4 Search Item

api/v1/main/search

Use this endpoint to search for item listings.

1.4.1 Get Requests

Query Parameters

Parameters	Type	Example	Description
keyword	string	Apple	Keyword to be queried.

Response Parameters

Parameters	Type	Example	Description
error	string	status_invalid_query	Indicate the error that occurred. "status_OK" is returned if no error.

error_message	string	No results found.	Indicate the error that occurred.
result	List of dictionaries	<pre>[{ id: 1, item_name: "Ryzen 5 5600X", item_price: 2199.00, item_discounted_price: 1699.00, description: "loren ipsum", purchasable: true, image_url: https://google.com, item_url: https://google.com, deliveryFee: 1.99, rating: 3.50, numOfRating: 56, }]</pre>	Meta-data of items matching the query.

1.5 Filter Search Result

api/v1/main/search/filter

Use this endpoint to authenticate the email for an account.

1.5.1 Get Requests

Query Parameters

Parameters	Type	Example	Description
keyword	string	Apple	Email of user during signup.
deliveryFee	float	1.99	Items with delivery fee less than or equal to this amount will be returned.
rating	int	5	Items with rating less than or equal to this number will be returned.
platform	string	Lazada	Items sold on this platform will be returned.

Response Parameters

Parameters	Type	Example	Description
error	string	status_invalid_query	Indicate the error that occurred. "status_OK" is returned if no error.
error_message	string	No result found.	Indicate the error that occurred.
result	List of dictionaries	<pre>[{ id: 1, item_name: "Ryzen 5 5600X", item_price: 2199.00. item_discounted_price: 1699.00. description: "loren ipsum", purchasable: true, image_url: https://google.com, item_url: https://google.com, deliveryFee: 1.99, rating: 3.50, numOfRating: 56, }]</pre>	Meta-data of items matching the query.

1.6 Add/Remove Items from Wishlist

1.7 View from Wishlist

1.8 Accept/Reject Friend Request

1.9 Search User

1.10 Send Friend Request

Appendix A: License Agreement

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