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*.

# FindR API Endpoints

## Login

api/v1/accounts/login

Use this endpoint to login.

### 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". |

### 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. |

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. |

## Signup

api/v1/accounts/signup

Use this endpoint to register for an account.

### 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". |

### Post Requests

Request Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameters** | **Type** | **Example** | **Description** |
| username | string | Neo-Zenith | New user choice of unique username. |
| email | string | [abc@gmail.com](mailto: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. |

## Email Authentication

api/v1/accounts/signup/authenticate

Use this endpoint to authenticate the email for an account.

### Get Requests

Query Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameters** | **Type** | **Example** | **Description** |
| email | string | [abc@gmail.com](mailto: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. |

### 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". |

## Search Item

api/v1/main/search

Use this endpoint to search for item listings.

### 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 | [{  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,  }] | Meta-data of items matching the query. |

## Filter Search Result

api/v1/main/search/filter

Use this endpoint to authenticate the email for an account.

### 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 | [{  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,  }] | Meta-data of items matching the query. |

## Add/Remove Items from Wishlist

## View from Wishlist

## Accept/Reject Friend Request

## Search User

## Send Friend Request

# Appendix A: License Agreement

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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