
CAT THINGS

API User Guide

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Base URL

The base URL will vary depending on what domain and host is being used. The following is the base URL that was used for our testing purposes:

<https://things.cs.pdx.edu:3000/api>

Notation:

The use of a colon preceding a string “:item_id” denotes a required user-entry field. If this parameter is optional, it will have a “?” appended at the end.

Ex: /a/checkout/:item_id/:person_checking_out/:qty would be constructed as:

/a/checkout/4/theodore/1

This would send a request to the API to checkout one of whatever item corresponds to item_id 4, and list theodore as the person who checked it out.

Routes

The following routes assume the base url concatenated with the route name.

- 1) **/view** - Returns a list of all entries in the items table.
- 2) **/request** - Allows for a user to pass through a request for an item. Triggers an email.
- 3) **/authenticate** - Login via username and password in the Body
- 4) **/a** - Verifies authentication
- 5) **/a/checkout/:item_id/:person_checking_out/:qty** - Checks out an item

All the following are preceded by: baseURL /a/admin

Ex: https://things.cs.pdx.edu:3000/api/a/admin/shopping_list

- 1) **/checkin/:id/:person/:qty**
- 2) **/add/:name/:desc/:price/:thresh**
- 3) **/tagitem/:id/:tag**
- 4) **/shopping_list**
- 5) **/stats/netperday/:item_id** - Returns the net change per day, over the past week.
- 6) **/stats/weeklyavg/:item_id** - Returns the avg checkout over a week period (past 90 days).
- 7) **/stats/threshold/:item_id** - Returns the length of time from last checkin, to threshold trigger.
- 8) **/stats/avgperday/:item_id** - Returns the avg checkouts per day based on the past 90 days
- 9) **/history/recent/:entries?** - Returns a list of recent transactions. Entries defaults to 15.

- 10) /history/by_item/:name/:entries?** - Returns a list of recent transactions for a specific item
- 11) /history/by_tag/:tag/:entries?** - Return a list of recent transactions that share the tag.
- 12) /history/by_range/:start_date/:end_date** - Returns all transactions in the specified window.