

EcoWare API Endpoint Documentation

Overview:

This document provides an overview of the API endpoints available in this project. Each endpoint includes information about the request method, URL, and parameters.

Base URL:

<http://localhost:5000/api/v1>

User Endpoints

GET /users/size

Description: Gets the total number of users from the database.

GET /users/:id

Description: Gets detailed information about a specific user based on provided ID.

GET /users/:id/items

Description: Gets an array of items associated with a specific user based on provided ID.

GET /users/:id/history

Description: Gets an array of user history based on the user provided ID.

GET /users/size/:id/discounts

Description: Gets an array of discounts available for the user provided ID.

GET /users/size/:id/points

Description: Gets the total amount of points of the provided user ID.

PATCH /:id/items/:item/add

Description: Adds an item to the user's current items list. Requires ID of user and ID of item.

PATCH /:id/history/:item/add

Description: Adds an item to the user's current history list. Requires ID of user and ID of item.

PATCH /:id/discounts/:discount/add

Description: Adds discount to the user's current discount list. Requires ID of user and ID of discount.

PATCH /:id/discounts/:discount/remove

Description: Removes a discount from the user's discount list. Requires ID of user and ID of discount.

PATCH /:id/points/add

Description: Adds points to the user's account. Require ID of user and specified amount of points.

PATCH /:id/points/remove

Description: Removes points from the user's account. Require ID of user and specified amount of points.

Washer Endpoints

GET /washer/:id/inventory

Description: Gets inventory of washer with the specified ID.

PATCH /washer/:id/inventory/:item/move/:vendorID/

Description: Moves an item from washer inventory to vendor inventory. Require ID of washer, ID of item, and ID of vendor.

PATCH /washer/:id/inventory/:item/add

Description: Adds an item to the washer's inventory. Require ID of washer and ID of item.

PATCH /washer/:id/inventory/:item/setStatus

Description: Changes the status of an item. Require ID of washer, ID of item, and to specify whether to set the item to 'Dirty' or 'Fresh'

Vendor Endpoints

GET /vendors/

Description: Gets a list of all the vendors ID's.

GET /vendors/:id

Description: Gets detailed information about a specific vendor by ID.

GET /vendors/:id/raw

Description: Gets raw information about a specific vendor by ID.

GET /vendors/:id/location

Description: Gets the location of a specific vendor by ID.

GET /vendors/:id/inventory

Description: Gets the inventory of a specific vendor by ID.

PATCH /vendors/:id/inventory/:item/add/

Description: Adds an item to the vendor's inventory. Requires ID of vendor and ID of item.

PATCH /vendors/:id/inventory/:item/move/:userID

Description: Moves an item from the vendor's inventory to a user's inventory. Require ID of vendor, ID of item, and ID of user.

Station Endpoints

GET /stations

Description: Gets all the stations ID's.

GET /stations/:id

Description: Gets station information based on station ID.

GET /stations/:id/location

Description: Gets station location based on station ID.

GET /stations/:id/inventory

Description: Gets inventory of specific station based on station ID.

GET /stations/:id/inventory/detailed

Description: Gets detailed version of inventory of specific station based on station ID.

GET /stations/:id/capacity

Description: Gets capacity of specific station based on station ID.

GET /stations/:id/volume

Description: Gets volume of specific station based on station ID.

PATCH /stations/:id/inventory/:item/add

Description: Adds an item to the stations inventory. Require ID of station and ID of item.

PATCH /stations/:id/inventory/:item/move/:washerID

Description: Moves an item from station inventory to washer inventory. Require ID of station, ID of item, and ID of washer.

Items Endpoints

GET /items/:id

Description: Gets item information based on item ID.

GET /items/:id/name

Description: Gets name of item based on item ID.

GET /items/:id/type

Description: Gets type (Halal/Vegetarian/Regular) of item based on item ID.

GET /items/:id/status

Description: Gets status (Dirty or Fresh) of item based on item ID.

GET /items/:id/owner

Description: Gets current owner of item based on item ID.

PATCH /items/:id/setStatus/:status

Description: Changes status of an item. Require ID of item and status to be either 'Fresh' or 'Dirty'.

PATCH /items/:id/setOwner/:ownerID

Description: Changes owner of an item. Require ID of item and ID of new owner. Item must not have current owner.

POST /items/create

Description: Creates an item. Require name and status. Name can be either 'Plate' or 'Cup' and status can be either 'Fresh' or 'Dirty'.

Discounts Endpoints

GET /discounts/:id

Description: Gets discount information based on discount ID.

GET /discounts/:id/qr

Description: Gets discount QR code based on discount ID.

POST /discounts/create

Description: Creates discount. Require cost and reward amount.

DELETE /discounts/:id

Description: Deletes a discount from the database.

Metrics Endpoints

GET /metrics

Description: Gets metrics of stations, items, status, and type.