

A3 - API Design

March 2, 2019 7:26 PM

POST

PyDrink.com/find

Endpoint.

Body

{
 "drink_name": "Smirnoff
 Vodka"
}

Behind The Scenes



GET lcboapi.com/products?q="Smirnoff+Vodka"

RETURNS:

```
{  
  "status": 200,  
  "message": null,  
  "pager": {  
    "records_per_page": 20,  
    "total_record_count": 27,  
    "current_page_record_count": 20,  
    "is_first_page": true,  
    "is_final_page": false,  
    "current_page": 1,  
    "current_page_path": "/products?q=%22Smirnoff+Vodka%22  
&page=1",  
    "next_page": 2,  
    "next_page_path": "/products?q=%22Smirnoff+Vodka%22&page=  
2",  
    "previous_page": null,  
    "previous_page_path": null,  
    "total_pages": 2,  
    "total_pages_path": "/products?q=%22Smirnoff+Vodka%22  
&page=2"  
  },  
  "result": [  
    {  
      "id": 38505,  
      "is_dead": false,  
      "name": "Smirnoff Vodka",  
      "tags": "smirnoff vodka spirits canada region not specified  
schenley diageo bottle",  
      "is_discontinued": false,  
      "price_in_cents": 6000,  
      "regular_price_in_cents": 6000,  
      "limited_time_offer_savings_in_cents": 0,  
      "limited_time_offer_ends_on": null,  
      "bonus_reward_miles": 0,  
      "bonus_reward_miles_ends_on": null,  
      "stock_type": "LCBO",  
      "primary_category": "Spirits",  
      "secondary_category": "Vodka",  
      "origin": "Canada, Region Not Specified",  
      "package": "1750 mL bottle",  
      "package_unit_type": "bottle",  
      "package_unit_volume_in_milliliters": 1750,  
      "total_package_units": 1,  
      "volume_in_milliliters": 1750,  
      "alcohol_content": 4000,  
      "price_per_liter_of_alcohol_in_cents": 857,  
      "price_per_liter_in_cents": 3428,  
      "inventory_count": 14137,  
      "inventory_volume_in_milliliters": 24739750,  
      "inventory_price_in_cents": 84822000,  
      "sugar_content": null,  
      "producer_name": "Schenley / Diageo",  
    }  
  ]  
}
```

```

    "released_on": null,
    "has_value_added_promotion": false,
    "has_limited_time_offer": false,
    "has_bonus_reward_miles": false,
    "is_seasonal": false,
    "is_vqa": false,
    "is_ocb": false,
    "is_kosher": false,
    "value_added_promotion_description": null,
    "description": null,
    "serving_suggestion": "Perfect for creating any variety of
cocktails!",
    "tasting_note": "Founded in 1864 by Pyotr Arsenievich Smirnov,
what we now call Smirnoff was the first vodka to use charcoal filtration
in the distillation process. This charcoal filtration produces a spirit that
is ideal for mixing because of its smooth and clean palate; perfect in a
Moscow Mule.",
    "updated_at": "2019-01-21T14:39:54.938Z",
    "image_thumb_url":
https://dx5vpyka4lqst.cloudfront.net/products/38505/images/thumb
.png,
    "image_url":
https://dx5vpyka4lqst.cloudfront.net/products/38505/images/full.jpe
g,
    "varietal": "Corn",
    "style": "Clean & Classic",
    "tertiary_category": "Unflavoured Vodka",
    "sugar_in_grams_per_liter": null,
    "clearance_sale_savings_in_cents": 0,
    "has_clearance_sale": false,
    "product_no": 38505
  },
  ...
],
"suggestion": null
}

```

The ID highlighted above from the first search result (best match) is then used in the following request:

GET lcboproducts.com/inventories { product_id=38505 }

Smirnoff
Vodka
product
id

RETURNS:

```

{
  "status": 200,
  "message": null,
  "pager": {
    "records_per_page": 50,
    "total_record_count": 637,
    "current_page_record_count": 50,
    "is_first_page": true,
    "is_final_page": false,
    "current_page": 1,
    "current_page_path": "/inventories?product_id=38505&page=
1",
    "next_page": 2,
    "next_page_path": "/inventories?product_id=38505&page=2",
    "previous_page": null,
    "previous_page_path": null,
    "total_pages": 13,
    "total_pages_path": "/inventories?product_id=38505&page=
13"
  },
  "product": {
    "id": 38505,
    "is_dead": false,
    "name": "Smirnoff Vodka",
    "tags": "smirnoff vodka spirits canada region not specified

```

```

schenley diageo bottle",
  "is_discontinued": false,
  "price_in_cents": 6000,
  "regular_price_in_cents": 6000,
  "limited_time_offer_savings_in_cents": 0,
  "limited_time_offer_ends_on": null,
  "bonus_reward_miles": 0,
  "bonus_reward_miles_ends_on": null,
  "stock_type": "LCBO",
  "primary_category": "Spirits",
  "secondary_category": "Vodka",
  "origin": "Canada, Region Not Specified",
  "package": "1750 mL bottle",
  "package_unit_type": "bottle",
  "package_unit_volume_in_milliliters": 1750,
  "total_package_units": 1,
  "volume_in_milliliters": 1750,
  "alcohol_content": 4000,
  "price_per_liter_of_alcohol_in_cents": 857,
  "price_per_liter_in_cents": 3428,
  "inventory_count": 14137,
  "inventory_volume_in_milliliters": 24739750,
  "inventory_price_in_cents": 84822000,
  "sugar_content": null,
  "producer_name": "Schenley / Diageo",
  "released_on": null,
  "has_value_added_promotion": false,
  "has_limited_time_offer": false,
  "has_bonus_reward_miles": false,
  "is_seasonal": false,
  "is_vqa": false,
  "is_ocb": false,
  "is_kosher": false,
  "value_added_promotion_description": null,
  "description": null,
  "serving_suggestion": "Perfect for creating any variety of
cocktails!",
  "tasting_note": "Founded in 1864 by Pyotr Arsenievich
Smirnov, what we now call Smirnoff was the first vodka to use
charcoal filtration in the distillation process. This charcoal filtration
produces a spirit that is ideal for mixing because of its smooth and
clean palate; perfect in a Moscow Mule.",
  "updated_at": "2019-01-21T14:39:54.938Z",
  "image_thumb_url":
https://dx5vpyka4lqst.cloudfront.net/products/38505/images/thumb.png,
  "image_url":
https://dx5vpyka4lqst.cloudfront.net/products/38505/images/full.jpeg,
  "varietal": "Corn",
  "style": "Clean & Classic",
  "tertiary_category": "Unflavoured Vodka",
  "sugar_in_grams_per_liter": null,
  "clearance_sale_savings_in_cents": 0,
  "has_clearance_sale": false,
  "product_no": 38505
},
"result": [
  {
    "product_id": 38505,
    "store_id": 655,
    "is_dead": false,
    "quantity": 169,
    "updated_on": "2019-01-20",
    "updated_at": "2019-01-21T15:57:06.665Z",
    "product_no": 38505,
    "store_no": 655
  },
  {
    "product_id": 38505,
    "store_id": 424,
    "is_dead": false,
    "quantity": 134,
    "updated_on": "2019-01-20",
    "updated_at": "2019-01-21T15:57:06.667Z",
    "product_no": 38505,
    "store_no": 424
  },
  {
    "product_id": 38505,
    "store_id": 401,
    "is_dead": false,

```

```

{
  "product_id": 38505,
  "store_id": 401,
  "is_dead": false,
  "quantity": 120,
  "updated_on": "2019-01-20",
  "updated_at": "2019-01-21T15:57:06.669Z",
  "product_no": 38505,
  "store_no": 401
},
{
  "product_id": 38505,
  "store_id": 298,
  "is_dead": false,
  "quantity": 115,
  "updated_on": "2019-01-20",
  "updated_at": "2019-01-21T15:57:06.673Z",
  "product_no": 38505,
  "store_no": 298
},
...
]
}

```

All store_id's like the one's highlighted above (this return is not complete was very large, truncated for readability) are processed and stored if they are not dead and each one is used to make the following requests:

GET *lcbapi.com/stores/{store_id}*
store-id's highlighted above

An example response will look like this:

```

{
  "status": 200,
  "message": null,
  "result": {
    "id": 655,
    "is_dead": false,
    "name": "Mississauga Rd & William Pkwy",
    "tags": "mississauga rd william pkwy 9445 brampton l6x0z8",
    "address_line_1": "9445 Mississauga Rd.",
    "address_line_2": null,
    "city": "Brampton",
    "postal_code": "L6X0Z8",
    "telephone": "(905) 456-8145",
    "fax": "(905) 456-6512",
    "latitude": 43.6583,
    "longitude": -79.8165,
    "products_count": 2471,
    "inventory_count": 58589,
    "inventory_price_in_cents": 107285663,
    "inventory_volume_in_milliliters": 48674211,
    "has_wheelchair_accessability": false,
    "has_bilingual_services": false,
    "has_product_consultant": false,
    "has_tasting_bar": false,
    "has_beer_cold_room": true,
    "has_special_occasion_permits": false,
    "has_vintages_corner": false,
    "has_parking": false,
    "has_transit_access": false,
    "sunday_open": 660,
    "sunday_close": 1080,
    "monday_open": 570,
    "monday_close": 1320,
    "tuesday_open": 570,
    "tuesday_close": 1320,
    "wednesday_open": 570,
    "wednesday_close": 1320,
    "thursday_open": 570,

```

```

    "thursday_close": 1320,
    "friday_open": 570,
    "friday_close": 1320,
    "saturday_open": 570,
    "saturday_close": 1320,
    "updated_at": "2019-01-21T14:15:23.877Z",
    "store_no": 655
  }
}

```

The highlighted text is aggregated if the is_dead attribute is false, and stored.
 The following is returned to the user:

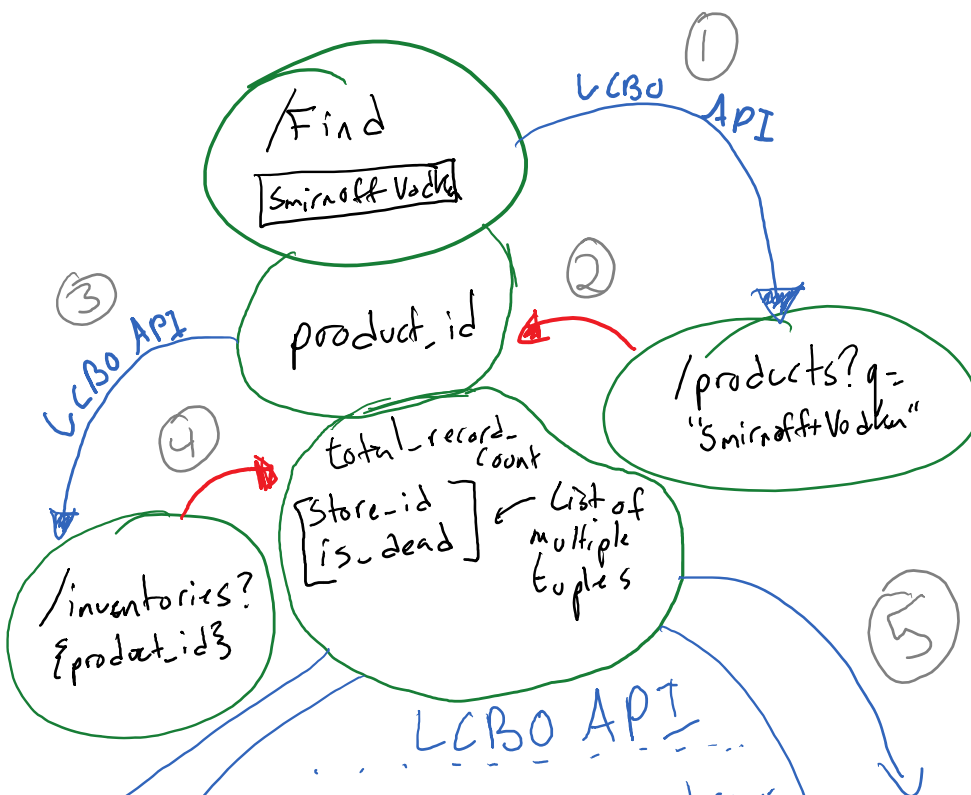
RETURNS:

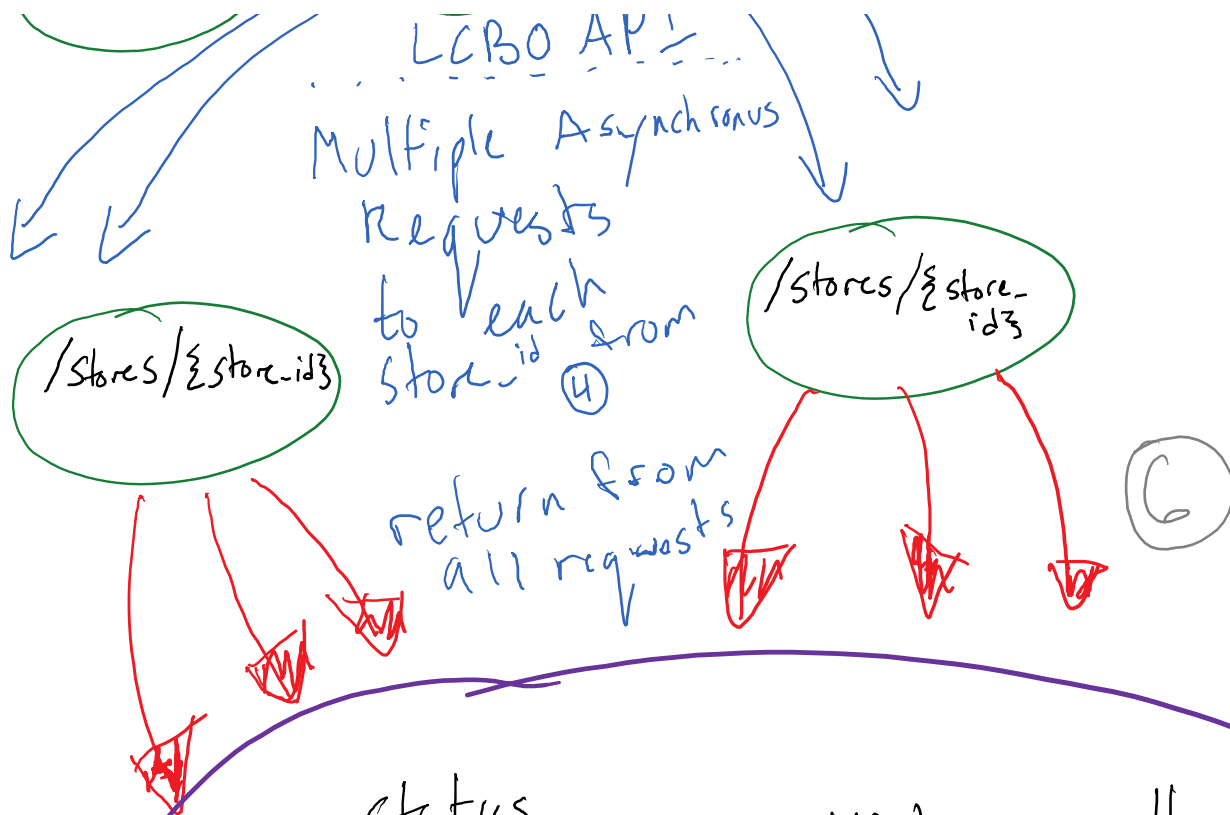
```

{
  "status": 200,
  "message": "Found 637 LCBO stores that carry Smirnoff Vodka.",
  "result": [
    {
      "name": "Mississauga Rd & William Pkwy",
      "address_line_1": "9445 Mississauga Rd.",
      "city": "Brampton",
      "postal_code": "L6X0Z8",
      "telephone": "(905) 456-8145",
    },
    {
      "name": "Main & Bay Street",
      "address_line_1": "35 First Street",
      "address_line_2": "P.O. Box 310",
      "city": "Moosonee",
      "postal_code": "P0L1Y0",
      "telephone": "(705) 336-2301",
    },
    {
      "name": "Portage Rd & Colborne E",
      "address_line_1": "3714 Portage Road",
      "city": "Niagara Falls",
      "postal_code": "L2J2K9",
      "telephone": "(905) 356-3972",
    },
    ...
  ]
}

```

Overview





status
message
results: [multiple results
(list of results)

- name
- address-line-1
- address-line-2 (optional)
- city
- postal-code
- telephone

]