Cone-Quest

The Creamery Conquistadors:
Chance Landis & Meredith Weinstock

Our Information Story

We want to provide **Seattle ice cream lovers** with a simple interface that allows them to **explore all of the city's creameries**, providing them with important information such as the address of the shops, their hours of operation, and **every shop's product offerings.**
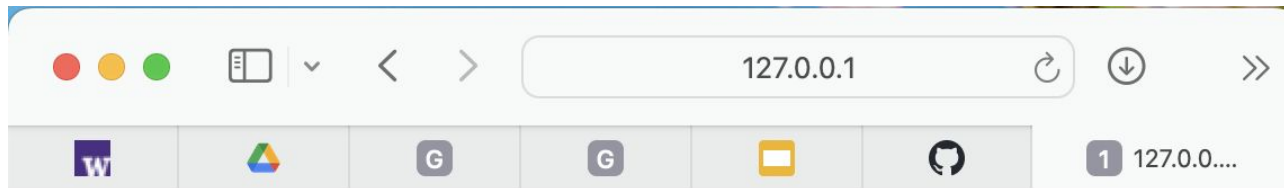
The Existing Information Structures

Existing information on Seattle ice cream shops **is not collected in a portable structure.** We had to seek information through a number of platforms, including **Google Maps, Yelp, and individual creamery websites.** We were unable to access metadata of any kind from any of these sources.
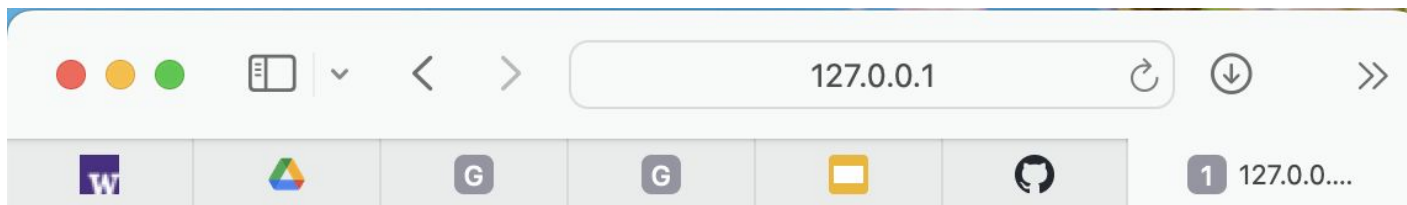
Our New Portable Structure

To address the issues previously outlined, **we created a new information structure!** We began developing a JSON file collecting all necessary shop information and providing metadata. The current file is **available on GitHub.**

```json
1    {
2      "metadata": {
3        "version": "1.0",
4        "last_updated": "2025-05-15",
5        "_description": "ENTER TEXT HERE"
6      },
7      "shops": [
8        {
9          "id": 1,
10         "name": "Frankie & Jo's University Village",
11         "address": {
12           "street": "4619 Village, Terrace Dr NE",
13           "city": "Seattle",
14           "state": "WA",
15           "zip": "98105"
16         },
17         "contact": {
18           "phone": "206-453-3135",
19           "website": "https://frankieandjos.com/"
20         },
21         "menu": {
22           "flavors": [
23             "Rhubarb Yuzu",
24             "For the Love of Lemon",
25             "Mint Cookies and Cream",
26             "Chocolate Tahini Supercookie",
27             "Strawberry Milk",
28             "Beet Strawberry Rose Sorbet",
29             "Jamocha Chaga Fudge",
30             "Mint Brownie",
31             "Supercookies & Cream",
32             "Salty Caramel Ash",
```
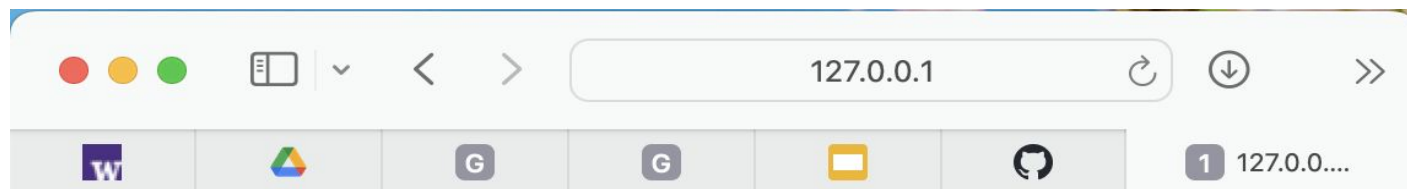
Hello, I'm the Seattle Ice Cream list! - Visit /shops/names to get the list of all store names with IDs. Visit /shops/flavors/(insert shop ID) to receive the shop associated with that ID and their current list of flavors.

```
[{"id":1,"name":"Frankie & Jo's University Village"},
{"id":2,"name":"Molly Moon's Homemade Ice Cream"},{"id":3,"name":"Sweet
Alchemy Ice Cream"},{"id":4,"name":"Fainting Goat Gelato"}]
```

```
{"flavors":["Rhubarb Yuzu","For the Love of Lemon","Mint Cookies and
Cream","Chocolate Tahini Supercookie","Strawberry Milk","Beet
Strawberry Rose Sorbet","Jamocha Chaga Fudge","Mint
Brownie","Supercookies & Cream","Salty Caramel Ash","Brown Sugar
Vanilla","Salted Pistachio","Carrot Cake"],"shop":"Frankie & Jo's
University Village"}
```

Accessing the Information

- Cone-Quest data is served via a **Flask-hosted** API
- Users access information through specific URL routes (e.g., **shop hours, available flavors**)
- Future plan: develop a user-friendly **web application** for easier data access

Information Collection & Accuracy

- Cone-Quest collects data from businesses via **websites, delivery apps, phone calls, or in-person visits**
- Data updates are performed **manually**
- Current implementation cannot guarantee 100% accuracy

Website

Delivery App

Phone

IRL

Information Quality

- Initial requirements included tracking flavor **availability levels** (full, half, nearing empty, sold out)
- Current API only provides a list of **available flavors,** limiting detail
- Future plan: enable shops to login and **update their own inventory** data to support availability tracking

Information System Performance

- Desired performance goals:
  - **<500ms** response time per request
  - **99.9% uptime** and availability
  - **Up-to-date information** delivery
- Current performance meets goals, except for data freshness
- Plan to improve data accuracy by allowing businesses to **directly submit updates**
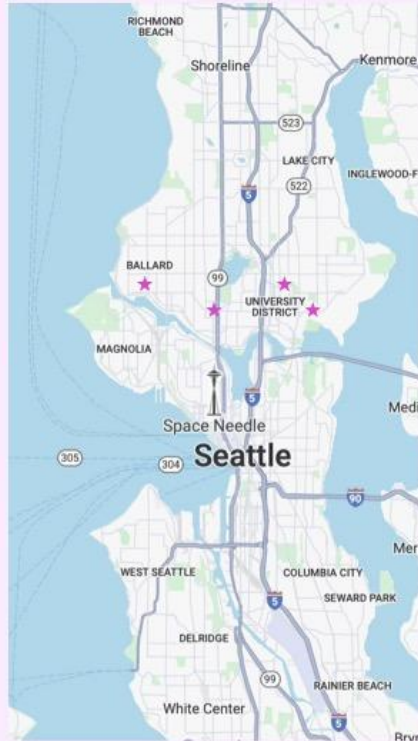- Further testing planned as the system scales to validate performance metrics

Our Information System, Visualized!

CONE-QUEST

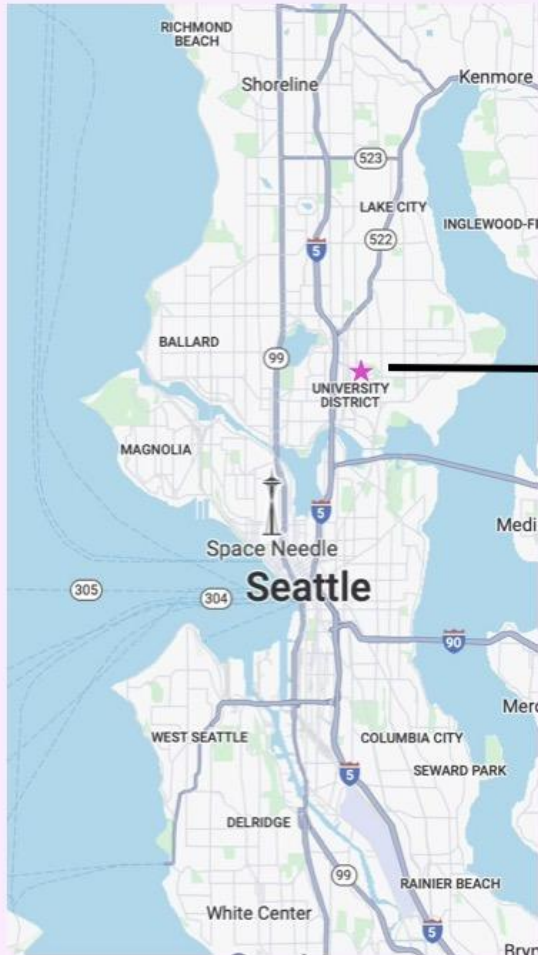## LOOKING FOR YOUR NEW FAVORITE CREAMERY?

EXPLORE THE MAP

VIEW THE LIST

BROWSE BY NEIGHBORHOOD

- **BALLARD**
- **CAPITOL HILL**
- **EASTLAKE**
- **FIRST HILL**
- **FREMONT**
- **MAGNOLIA**
- **RAVENNA**
- **UNIVERSITY DISTRICT**
- **UPTOWN**
- **WALLINGFORD**
- **WESTLAKE**
- **WEST SEATTLE**

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Sweet Alchemy Ice Creamery

https://sweetalchemyicecreamery.com/
4301 University Way NE
Seattle, WA 98105
Sun - Thur : 12pm - 10pm
Fri - Sat : 12pm - 11pm
(206) 632-0243

Flavors

- Capitol Coffee
- DarkSide
- London Fog
- Sweet Cream
- Aztec Chocolate
- Blackberry Crumble
- Cookies and Coldbrew
- Dalgona Coffee
- Lemon Custard
- Birthday Party
- Salted Caramel
- Strawberry
- Strawberry Shortcake
- Tale of Two Teas
- UW Honey
- Vanilla Cubed
- Yuzu Almond Brittle
- Vegan Blue Lavender
- Vegan Midnight
- Vegan Strawberry
- Banana Pudding

Thank You!