



Gaugcho Dining: A UCSB Dining Hall Review and Recommendation Website

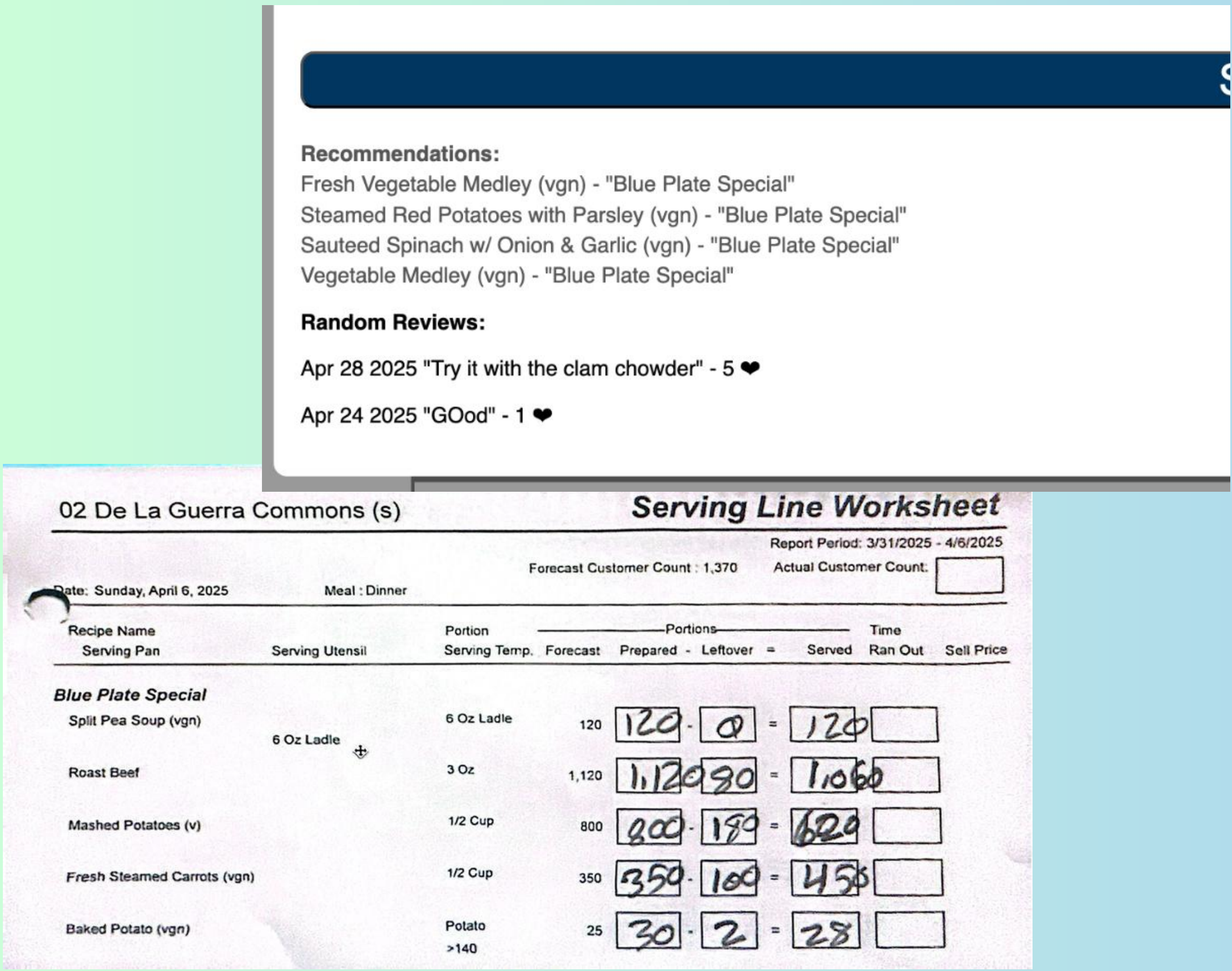
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Objective

To build a **user-friendly dining hall review and recommendation website** that allows students to **leave ratings** on food items and **decide** where to go based on preferences

Recommender System Methodology

1. **Organized** and cleaned data (dropping duplicates and incomplete rows)
2. Modified the data to have an **estimated diversified average rating** for each food item
3. Used the calculated rating, tag, and serving location to calculate a **cosine similarity matrix** with each item
4. Found the **top 4 closest recommendations** for each item in terms of cosine similarity for our recommendations




Recommendations for Hash Browns lovers:					
No	Food Name	Similarity Score	Serving Location	Tag	Diversified Rating
1	Shoestring French Fries	1.000000	West Side (Cafe)	other	4.150000
2	Cream Of Wheat	1.000000	West Side (Cafe)	other	4.170000
3	Grilled Mozzarella & Basil on Sourdough	1.000000	West Side (Cafe)	other	3.970000
4	Chicken Sausage Patty	0.999900	West Side (Cafe)	other	3.950000

Data

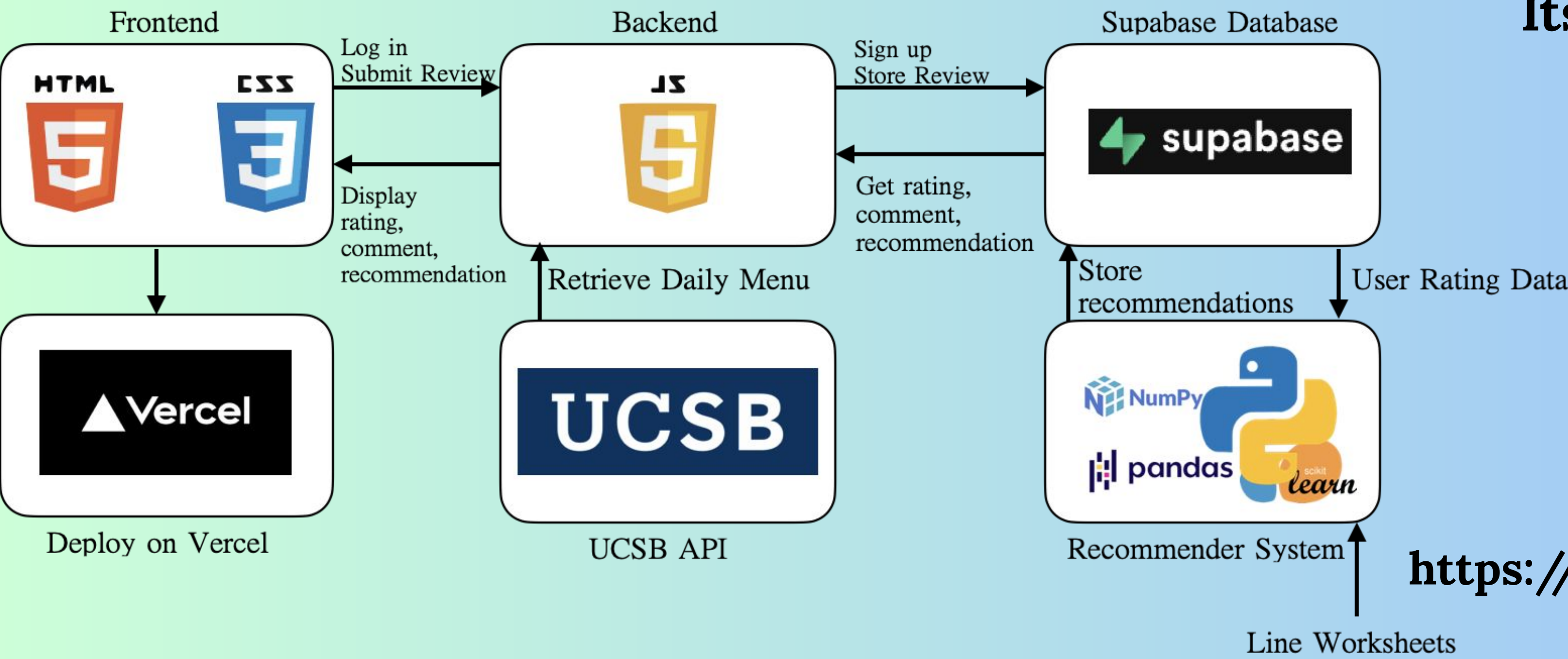
- Dining Hall Menu API + Line Worksheets
 - collected over 3000 **food item** data, ~100 **real user** review data.

72	French Roast w/ Strawberry Sauce (v)	3	The actual roast was great, but the sauce	Apr 25 2025	1: 20 pm
73	Caprese Flatbread w/Balsamic Reduction	2	The tomatoes overpowered all the other t	Apr 25 2025	1: 30 pm
74	Pickled Red Onion (vgn)	3	Versatile topping. Would have preferred s	Apr 25 2025	1: 31 pm
75	Cheese Quesadilla with Chiles (v)	4	Dining hall quesadilla tortillas sometimes	Apr 25 2025	1: 35 pm
76	Watermelon (vgn)	4	Nice!	Apr 27 2025	0: 19 am
77	Sweet and Spicy Tofu (vgn)	4	I like it	Apr 27 2025	0: 27 am
78	Brown Rice (vgn)	2	i hate brown rice	Apr 27 2025	0: 40 am
79	Brown Rice (vgn)	3	white >>	Apr 27 2025	0: 41 am
80	Honeydew & Berry Parfait (v)	4	good	Apr 27 2025	0: 1 pm
81	Corn Chowder (v)	5	it was delicious imho	Apr 27 2025	0: 2 pm
82	Ham & Cheddar Quiche	4	good when warm! eat it fast	Apr 27 2025	0: 2 pm
83	Corn Chowder (v)	4	Its good!	Apr 27 2025	1: 34 pm

Our project features:

- **Live website** + secure integrated  login system
 - **Menus** that **updates** each meal
 - **Top 4 recommendations** for each food with over 90% accuracy
 - **Real-time** comments and ratings
 - **Simple** and **beautiful UI/UX** on mobile or desktop
- But don't just take our word for it...

Tech Stack



Its Live! Try it Out!



<https://gaucho-dining.vercel.app/>