



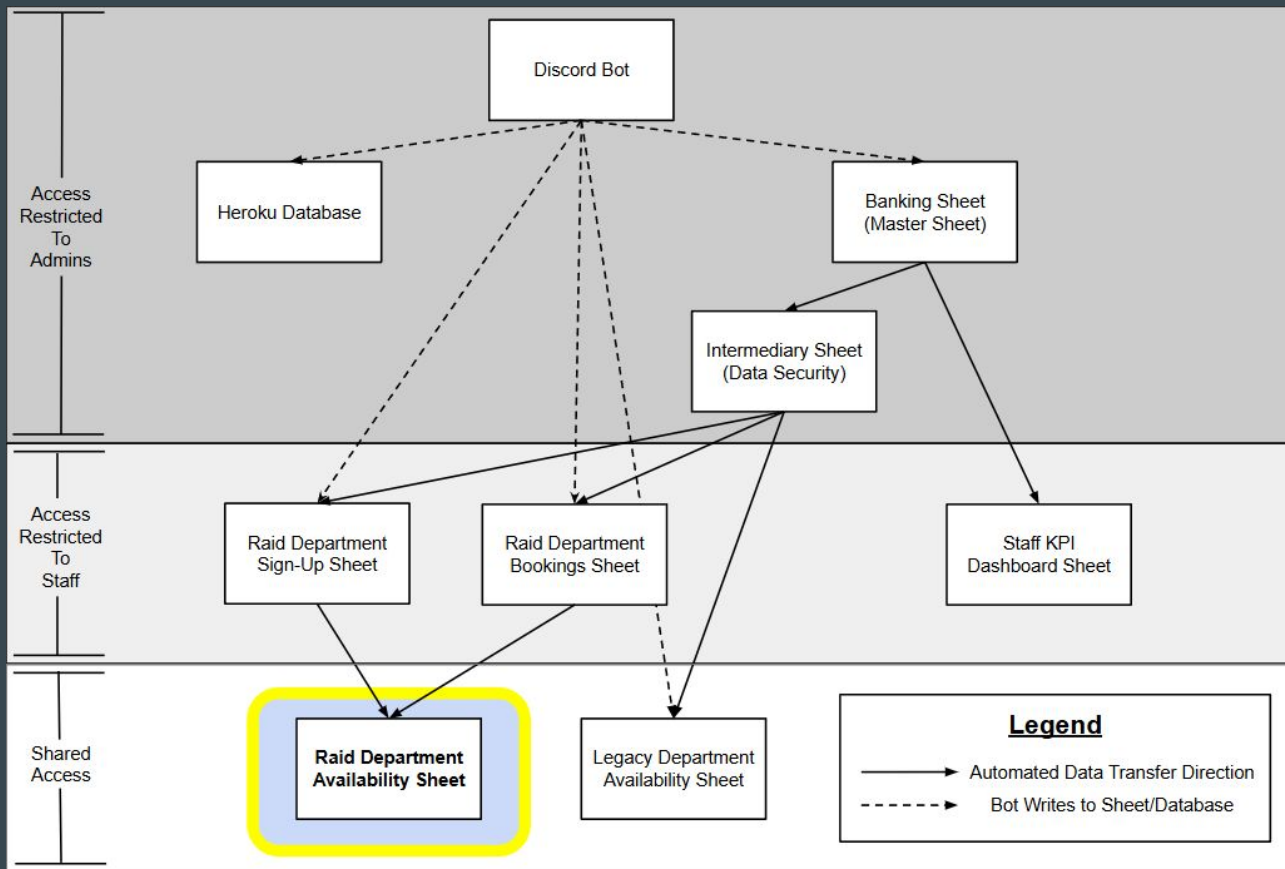
# Decision Support System: Pricing and Availability Analysis



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# Data Flow Overview



Examining: Raid Department Availability Sheet



# Project Summary

I developed a Decision Support System that automatically transformed raw scheduling data into a centralized analytical calendar. This allowed the department to evaluate pricing and availability before the time of the sale, shifting the process from manual tracking to data-driven oversight across approximately \$500K in department sales.



# Database

Raid ID	Name	In House / Guild	Difficulty	Date	Time	Buyer Count	Status	Full Clear Left	Micro-offset	Link To Sheet
109304	Pancake (Unsaved)	Guild ▾	Normal	9/22/2024	6:00 PM	8	Automated ▾	0	0.7500000014	<a href="#">Link To Sheet</a>
209303	Soup (Saved)	Guild ▾	Heroic	9/23/2024	5:00 PM	5	Automated ▾	0	0.7083333347	<a href="#">Link To Sheet</a>
109305	In House (Unsaved)	In House ▾	Normal	9/23/2024	5:00 PM	5	Automated ▾	0	0.7083333347	<a href="#">Link To Sheet</a>
209402	Donut (Unsaved)	Guild ▾	Heroic	9/24/2024	5:00 PM	4	Automated ▾	0	0.7083333347	<a href="#">Link To Sheet</a>
109403	Gumbo (Unsaved)	Guild ▾	Normal	9/24/2024	6:30 PM	10	Cancelled ▾	10	0.7708333347	<a href="#">Link To Sheet</a>
109409	Chili (Unsaved)	Guild ▾	Normal	9/24/2024	9:30 PM	10	Automated ▾	0	0.8958333347	<a href="#">Link To Sheet</a>
109401	Peanuts (Unsaved)	Guild ▾	Normal	9/25/2024	8:00 PM	8	Automated ▾	0	0.8333333348	<a href="#">Link To Sheet</a>
209401	Waffles (7/8H Saved)	Guild ▾	Heroic	9/26/2024	4:00 PM	8	Automated ▾	0	0.6666666681	<a href="#">Link To Sheet</a>
109416	In House (Unsaved)	In House ▾	Normal	9/26/2024	5:00 PM	10	Automated ▾	0	0.7083333348	<a href="#">Link To Sheet</a>
109404	Tuna Mayo (Unsaved)	Guild ▾	Normal	9/27/2024	4:00 PM	9	Automated ▾	0	0.6666666681	<a href="#">Link To Sheet</a>
109411	Croissant (Unsaved)	Guild ▾	Normal	9/27/2024	5:00 PM	10	Automated ▾	0	0.7083333348	<a href="#">Link To Sheet</a>
109415	Jam (Unsaved)	Guild ▾	Normal	9/27/2024	6:00 PM	4	Automated ▾	0	0.7500000015	<a href="#">Link To Sheet</a>
109407	Taco (Unsaved)	Guild ▾	Normal	9/27/2024	7:00 PM	10	Automated ▾	0	0.7916666681	<a href="#">Link To Sheet</a>
209405	Sandwich (Saved)	Guild ▾	Heroic	9/27/2024	7:00 PM	5	Automated ▾	0	0.7916666682	<a href="#">Link To Sheet</a>
109412	Eggroll (Unsaved)	Guild ▾	Normal	9/28/2024	5:00 PM	10	Automated ▾	10	0.7083333348	<a href="#">Link To Sheet</a>

Automated
Upcoming
Inviting Boosters
Inviting Buyers
On Time
Late
Cancelled
In Progress
Completed
Automated

- Department-level dataset displaying event timing and availability data during scheduling
- Designed to ensure consistent event ordering in high-volume scenarios with overlapping start times
- Status field supports both manual overrides and automated updates based on proximity to event time

# Fully Automated Calendar

The Collective Raid Sheet (All Times are PST)						
September 2024						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4	5	6	7
8	9	10	11	12	13	14
					(N) Tuna Mayo (Saved) Cancelled - -	(N) Tuna Mayo (Saved) 4:00 PM 0 0 (N) French Fry (Saved) Cancelled - -
15	16	17	18	19	20	21
(N) Ecoroll (Saved) 5:00 PM 0 0 (N) Pancake (Saved) 6:00 PM 0 0	(N) Tuna Mayo (Saved) Cancelled - - (N) Donut (Saved) 5:00 PM 0 0 (N) Zucchini (Saved) 5:00 PM 0 0			(H) Waffles (7/8H) Saved 4:00 PM 0 0	(N) In House (Unsaved) 6:00 PM 0 0	(H) French Fry (8/8H) Saved 6:00 PM 0 0 (N) In House (Saved) Cancelled - -
22	23	24	25	26	27	28
(N) Twinkies (Unsaved) 4:00 PM 0 0 (H) Zucchini (Saved) Cancelled - - (N) Pancake (Unsaved) 6:00 PM 0 0	(H) Soup (Saved) 5:00 PM 0 0 (N) In House (Unsaved) 5:00 PM 0 0	(H) Donut (Unsaved) 5:00 PM 0 0 (N) Gumbo (Unsaved) Cancelled - - (N) Chili (Unsaved) 9:30 PM 0 0	(N) Peanuts (Unsaved) 8:00 PM 0 0	(H) Waffles (7/8H) Saved 4:00 PM 0 0 (N) In House (Unsaved) 5:00 PM 0 0	(N) Tuna Mayo (Unsaved) 4:00 PM 0 0 (N) Croissant (Unsaved) 5:00 PM 0 0 (N) Jam (Unsaved) 6:00 PM 0 0 (N) Taco (Unsaved) 7:00 PM 0 0 (H) Sandwich (Saved) 7:00 PM 0 0	(N) Ecoroll (Unsaved) 5:00 PM 10 0 (N) French Fry (Unsaved) Cancelled - - (H) Ecoroll (7/8H) Saved 6:30 PM 7 0 (N) Omelette (Unsaved) 8:00 PM 5 0
29	30					
(N) Twinkies (Unsaved) 4:00 PM 6 0 (N) Meatball (Unsaved) 6:00 PM 10 0 (H) Pancake (Saved) 6:00 PM 3 0 (N) Corn Dog (Unsaved) 7:00 PM 10 0	(N) Zucchini (Unsaved) 5:00 PM 8 0 (N) Pizza (Unsaved) 7:00 PM 6 0 (N) Ramen (Unsaved) 8:00 PM 9 0					

- Aggregated monthly view of all scheduled events
- Primary analytical output of system-wide data structure for the Raid Department
- Supports data-driven pricing adjustments based on demand and availability
- Events contain hyperlinks to associated pages





**List of All Raids  
on September 28, 2024**

[\(N\) Eggroll \(Unsaved\) @5:00 PM PST](#)  
[\(N\) French Fry \(Unsaved\) @Cancelled PST](#)  
[\(H\) Eggroll \(7/8H Saved\) @6:30 PM PST](#)  
[\(N\) Omelette \(Unsaved\) @8:00 PM PST](#)

- Event pages are generated from a template and auto-populate when staff enter the Raid ID
- Displays finalized event details, reservations, and remaining available space
- Includes workflow tools such as group assignment checkboxes and quick navigation links