

RoomTab

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***An AI that explains who
should pay what, and why***
(Commit To Change)

RomTab

Problem

Splitting costs is **easy**, until it's **not**.

- **The Edge Case Mess:** Someone showed up late, someone didn't drink, someone brought their partner, now what? Traditional split apps freeze.
- **The Invisible Bias:** Most tools divide evenly or by percentage. But they don't ask why. Should the student pay less? Does the vegan pay for BBQ?
- **The Explanation Void:** "Why did I pay more?" is a common question. Current apps give numbers, not logic.

Fair splits are not just math, they're context. We're missing the "why."

Solution

RoomTab is an **AI agent** that thinks before it splits.

- **Context-Aware Logic:** Give it a situation (“A didn’t drink”, “B was late”), and it rebalances the split with reasoning.
- **Transparent Outputs:** Every decision comes with a friendly explanation — no black boxes.
- **Built-in Fairness Audit:** You can replay any decision, see the trace, and check how the logic holds up.

Demo

<https://room-tab.vercel.app/>

RoomTab



Join the Fairness Revolution

Split costs fairly, for any moment.

RoomTab uses AI to handle complex splits for roommates, trips, dinners, and events. Account for non-drinkers, late arrivals, and more.

Start a Split Plan →

See How It Works

No signup required. Try it instantly.

Create Plan #1

Smart Split Creator

[→ View History](#)

Select a category to load a template, then fill in the numbers.

What are we splitting?

Category (Loads Template)

Trip / Vacation



Event Title

Weekend Trip

Currency

USD (\$)



Create Plan #2

Expenses

Enter the amounts for each item.

USD 1500.00

Airbnb

USD 800

Rebecca



Gas / Fuel

USD 200

AbbyM



Groceries

USD 300

MEE6



Tickets

USD 200

Rebecca



+ Add Item

Create Plan #3

Participants

Add specific tags like "Non-drinker" or "Arrived late" to influence the AI.

1 Rebecca



Encode Club ×

Add tag...

2 AbbyM



Comet ×

Add tag...

3 MEE6



App ×

Add tag...

+ Add Person

Additional Context AI Powered

Describe any special situations. Leave empty for a standard split calculation.

Rebecca booked the Airbnb. AbbyM brought snacks for everyone.

61/500

Generate Split →

Create Plan #4

Participants

Add specific tags like "Non-drinker" or "Arrived late" to influence the AI.

1 Rebecca



Encode Club ×

Add tag...

2 AbbyM



Comet ×

Add tag...

3 MEE6



App ×

Add tag...

+ Add Person

Additional Context AI Powered

Describe any special situations. Leave empty for a standard split calculation.

Rebecca booked the Airbnb. AbbyM brought snacks for everyone.

61/500

Generate Split →

Create Plan #5

📘 Fairness Logic

Based on the context, MEE6 pays \$510 due to not contributing, while Rebecca and AbbyM pay \$495 each for their contributions to the Weekend Trip.

Rebecca

33%

Saved USD5

USD 495

Fair Share
Responsibility [EDITABLE](#)

📘 Handled Airbnb,
deserving a lower
share than MEE6.

AbbyM

33%

Saved USD5

USD 495

Fair Share
Responsibility [EDITABLE](#)

📘 Brought snacks,
deserving a lower
share than MEE6.

MEE6

34%

Pays USD10 more

USD 510

Fair Share
Responsibility [EDITABLE](#)

📘 Did not contribute;
assigned a higher
share as requested.

Create Plan #6

Edit Plan

 Export PDF

 Export CSV



Settlement Plan

The most efficient way to settle debts.

AbbyM pays **Rebecca**

USD295.00

MEE6 pays **Rebecca**

USD210.00

Create Plan #7



Opik Observability Dashboard

Model: gemini-2.0-flash

3693ms

Real-time metrics from the fairness agent.

Fairness Score

94/100

+4% vs. avg baseline

Disagreement Rate

0%

Based on post-split feedback

Financial Relief

None

Subsidy logic triggered

LATEST TRACE LOG

```
{
  "trace_id": "1a48b8c2-6f25-4421-a7d4-e4c84f755220",
  "project_name": "RoomTab",
  "model": "gemini-2.0-flash",
  "tags": ["fairness_eval", "weighted_v2_settlement_aware"],
  "input": { "participants": 3, "total": undefined },
  "result": "success"
}
```

CASE: HANDLED AIRBNB

CASE: BROUGHT SNACKS

CASE: NO HELP

CASE: PAY MORE

Was this fair? (Logs to Opik)

👍 Yes

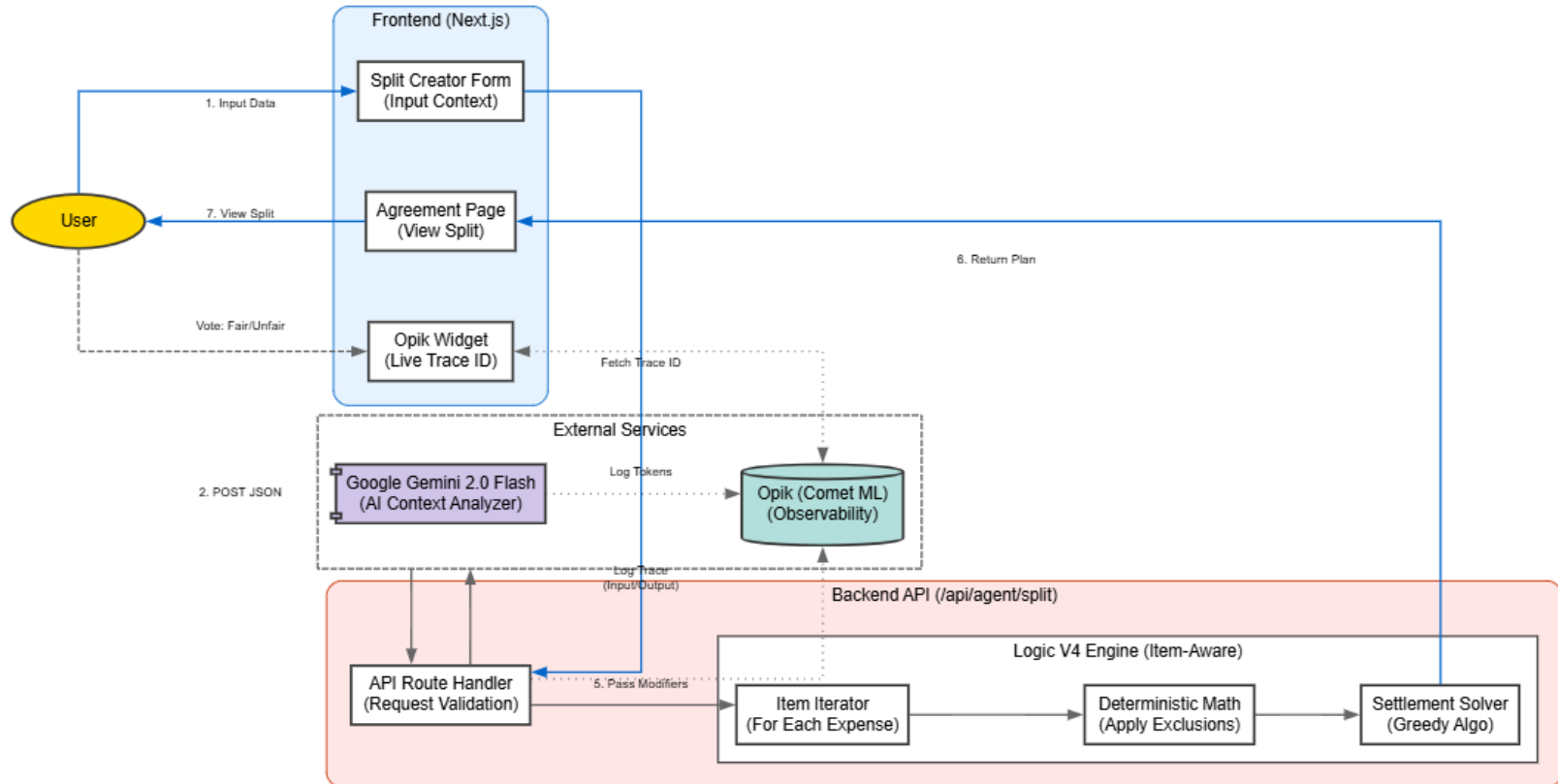
👎 No

Observability with Opik

Fairness Isn't Just a Feeling, we made it **verifiable**.

- **Every decision is traceable:** We log latency, token count, model version, and context for each split.
- **Users can see why someone paid more or less:** No magic, just logic.
- **"Was this fair?" is logged live:** Closing the loop for real accountability.
- Scenario tags (like `vegan`, `arrived_late`, `premium_room`) make it easy to filter and evaluate edge cases.
- **No hidden AI guessing:** We can audit it all at `/audit`.
- **We didn't just use Opik:** We built around it to prove the system is fair under pressure.

System Architecture



Revenue Model

Fairness for Every Occasion

From quick dinners to year-long leases. Choose the plan that fits your social life.

Starter

For one-offs & quick trips

\$0

- ✓ Dinners, Dates, & Drinks
- ✓ Basic "Fairness" Logic
- ✓ 7-Day History

Current Plan

Household ★

For recurring living costs

\$4.99/mo

- ✓ Unlimited History
- ✓ Advanced Context (2x token limit)
- ✓ PDF Export & Agreements
- ✓ "Financial Health" Insights

Coming Soon

Most Popular

Organizer

For big groups & events

\$12.99/mo

- ✓ Everything in Pro
- ✓ Multi-user Management
- ✓ Receipt Scanning (OCR)
- ✓ Dedicated Support

Coming Soon

Links

- **Live Demo:** <https://room-tab.vercel.app/>
- **Demo Video:** <https://youtu.be/DkIFt4YB28s>
- **Source Code:** <https://github.com/GokhanCey/RoomTab>
- **Pitch Deck:** <https://github.com/GokhanCey/RoomTab/blob/main/PD.pdf>

RoomTab

AI that explains who should pay what, and why

Thank you.