

OutcomeOS — User Guide & Product Demo

Decision intelligence powered by Panta market data

Audience: Hackathon judges, first-time users, product reviewers, and collaborators

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One-minute overview: OutcomeOS helps a team write down a measurable YES/NO decision, record what its members believe and why, attach a relevant real-world prediction-market signal from Panta, preserve timestamped quote snapshots, and learn from the outcome. **OutcomeOS is a read-only market-intelligence application, not a trading platform.**

Quick links

Resource	Link
Live application	https://outcomeos-ruddy.vercel.app/app
Public landing page	https://outcomeos-ruddy.vercel.app/
Source code	https://github.com/kakerumatsumoto756-debug/outcomeos
Panta API documentation	https://docs.panta.market/
Founder Pitch video	Add your published video link here
Product Demo video	Add your published video link here

Access note: Private Decision Rooms require a valid OutcomeOS account and workspace access. Public reports are accessible to anyone who has an active report link. No judge password or private API credential is included in this guide.

1. What problem does OutcomeOS solve?

Teams often make decisions without preserving the information necessary to evaluate them later. A forecast may be shared in a meeting, an assumption may be buried in chat, and an external market signal may change without anyone recording what it showed at the time.

OutcomeOS brings these pieces into one decision record:

1. **The question:** A measurable outcome and clear deadline.
2. **The forecast:** A team member's estimate of the probability of YES, with reasoning.
3. **The evidence:** Notes and reference links that explain the estimate.
4. **The market signal:** A relevant Panta YES/NO quote, separate from the team's estimate.
5. **The history:** Timestamped market snapshots and forecast submissions.

6. **The result:** An outcome that can be resolved and evaluated retrospectively.

The intended users include research teams, analysts, and organizations that want more transparent decision-making. Broader B2B SaaS adoption is a **future business goal**, not a claim of existing customers or revenue.

2. Get started in the live application

Step 1 — Open the app and sign in

1. Visit <https://outcomeos-ruddy.vercel.app/app>.
2. Sign in with your existing OutcomeOS account, or create an account if registration is enabled.
3. Open or create a workspace when prompted.
4. You should reach **Overview**, the workspace dashboard.

Tip: Workspaces separate a team's records and permissions. Do not use real customer-sensitive data for a public hackathon demonstration.

Step 2 — Create a Decision Room

1. Open **Decision rooms** from the left navigation.
2. Select **+ New decision** (also available from Overview).
3. Enter a short title and a precise YES/NO question.
4. Add the deadline, appropriate category, and requested decision context.
5. Save the room; it should appear in the Decision Room list.

Good question: "Will [specific event] happen by [specific deadline] under [specific resolution rule]?"

Poor question: "Will this project be successful?" (The outcome is too ambiguous to score.)

Important: If you intend to attach a Panta contract, your decision's outcome definition and time horizon must actually match that contract's settlement rules.

Step 3 — Add a probability forecast

1. Open the Decision Room.
2. Click **+ Add forecast** or **Update my forecast**.
3. Enter your own YES probability on the scale shown by the application.
4. Explain *why* you believe that estimate.
5. Save and confirm the forecast appears in **Forecasts & reasoning** or the forecast history.

Example: You might enter a **50% user forecast**. That is a user-submitted estimate, **not** a price supplied by Panta.

When multiple members participate, OutcomeOS can calculate a team estimate from members' latest forecasts.

Step 4 — Add supporting evidence (optional)

Inside the Decision Room, use **Add evidence** to write a note and, when available, include a source URL. Record the source and reasoning rather than relying on an untraceable claim.

Step 5 — Explore real Panta markets

1. Open **Market intelligence**.
2. Choose **Live Panta** rather than **Demo catalog**.
3. If needed, click **Fetch live markets**.
4. Use the category/phase filters and the search field to inspect the currently loaded markets.
5. Select **View quotes** to inspect the quoted YES and NO prices for a market.

Live vs demo: The demo catalog contains synthetic examples. A live quote must come from the configured Panta API. A missing price should be displayed as unavailable, never invented.

Step 6 — Link a suitable market to a Decision Room

1. Select **Link** on a market, or open a Decision Room and click + **Link market**.
2. Select the relevant open Decision Room.
3. Confirm that the Panta market's event, deadline, and resolution criteria are genuinely compatible with the Decision Room.
4. Explain **why the market matches the decision**.
5. Attach the market and open the room to confirm the link appears under **Panta market signals**.

Not every forecast should be linked to a Panta market. A superficially similar title is insufficient if settlement criteria differ.

Step 7 — Refresh and record a market snapshot

1. In the Decision Room, find the linked Panta market.
2. Click **Refresh**.
3. Inspect the latest YES quote and the timestamp of the recorded snapshot.
4. Reload the page and confirm that the saved record persists.

A refresh can return **new snapshot recorded, quote unchanged**, or **no valid YES quote / snapshot skipped**. An unchanged price may be intentionally deduplicated. A skipped snapshot must not be interpreted as a successful price update.

Verified example (historical QA observation): A previous OutcomeOS end-to-end test stored a real Panta **YES quote of 49.7%** for a linked market while a separate user forecast was **50%**. These are historical values, **not today's live quote**. The interface may round 49.7% when presenting a compact percentage.

Step 8 — Create and verify a public report

1. Open a Decision Room as a workspace owner.
2. Choose **Share decision report**.
3. Review the information that will be disclosed.
4. Click **Create share link**.
5. Copy the report URL and open it in a private/incognito browser to verify access without logging in.

Sharing rules: The report is read-only, typically expires after **7 days**, and can be revoked. Creating a replacement link invalidates the previous link for that decision. Anyone with the active URL can see the report's published contents. Do not share sensitive decisions publicly.

Step 9 — Review outcomes and export (optional)

After the event is actually resolved, an authorized owner can record the **YES** or **NO** outcome. OutcomeOS provides **Brier scoring** to evaluate forecast accuracy. Use **Team & activity** to view the audit history or export workspace records as JSON/CSV where permitted.

Scope distinction: OutcomeOS records and evaluates forecasts; it does not determine real-world outcomes autonomously or guarantee forecast accuracy.

3. Three-minute judge demo walkthrough

This is a **suggested demonstration sequence**, not a claim that any particular video contains these exact scenes. Use the live application and the actual market values displayed at recording time.

Time	Show on screen	What the viewer should understand
0:00–0:15	Landing page and Overview	OutcomeOS is an operating decision-intelligence workspace.
0:15–0:40	Decision rooms → create/open a room	Decisions are defined as measurable, time-bound questions.
0:40–1:10	Market intelligence → Live Panta → View quotes	The application retrieves real Panta market information.
1:10–1:35	Link a matching Panta market to the room	Market evidence is connected to a specific decision.
1:35–1:55	Add a 50% forecast with reasoning	Human beliefs are recorded independently of market quotes.
1:55–2:20	Refresh the market link and inspect timestamp	The system preserves a timestamped quote snapshot.
2:20–2:40	Reload the application	Forecasts, links, and snapshots remain saved.
2:40–3:00	Generate/open public report in incognito	Selected evidence can be shared without exposing the private workspace.

Suggested English demo narration

"This is OutcomeOS, a workspace for making decisions measurable. We begin by creating a Decision Room with a clear question and a deadline. Team members can record their probability forecasts and explain their reasoning. Next, we open Market Intelligence and inspect real prediction markets through the Panta API. When a market's settlement rules match our decision, we link it to the room. Notice that our own forecast is separate from the external YES quote. We can refresh the market data and preserve the quoted value with a timestamp. After reloading, our decision history remains available. Finally, we generate an expiring public report so collaborators or reviewers can inspect selected results without joining the private workspace. OutcomeOS does not execute trades; it helps teams document what they believed, what the market showed, and what they learned."

Demo integrity: Screen recordings should reflect actual application behavior. Never replace a failed API call with a fabricated success, and do not present historical quote values as a current feed.

4. Feature guide at a glance

Module	What it does	Availability note
Overview	Summarizes open decisions, resolved outcomes, linked markets, and forecasting metrics.	Private workspace view.
Decision rooms	Creates and manages measurable YES/NO questions.	Requires a signed-in user.
Forecasts & reasoning	Records probability estimates and explanations.	User estimates are distinct from market prices.
Evidence	Stores supporting notes and optional reference URLs.	Private unless explicitly included in an authorized publication.
Market intelligence	Browses real Panta markets and displays available quotes.	Requires working upstream Panta connectivity.
Market snapshots	Stores timestamped quote observations and avoids duplicate unchanged values.	May be unavailable if the upstream has no valid quote.
Signal alerts	Highlights material differences and changes in recorded signals.	Depends on available forecast/quote history.
Scenario lab	Offers a simplified downside scenario exploration.	Not a financial projection.
Team & activity	Supports workspace collaboration, invitation links, audit events, and exports.	Subject to membership/owner permissions.
Public decision reports	Shares selected decision and aggregated information through expiring links.	Read-only; link holders can access until expiration/revocation.

Module	What it does	Availability note
Outcome evaluation	Resolves YES/NO decisions and computes Brier scoring.	Requires an actual outcome; does not promise predictive performance.

5. Understanding prices, forecasts, and Brier scores

User forecast: A person's stated belief that an event will resolve YES—for example, 50%.

Panta YES quote: A real market price associated with a YES outcome. It is an external trading signal, not the same thing as a personal forecast and not necessarily a calibrated probability.

Snapshot: A stored observation of that quote at a particular point in time. A chart of snapshots represents recorded observations, not necessarily every market movement.

Brier score: For a binary event, a probability forecast p and actual result o (1 for YES, 0 for NO) produce $(p - o)^2$. Smaller scores indicate better accuracy for that resolved prediction. Outcomes must be known before scoring.

6. Frequently asked questions and troubleshooting

Do I need a crypto wallet to try OutcomeOS?

No wallet is needed for the core read-only forecasting workflow. OutcomeOS does not place on-chain trades or hold funds.

Does OutcomeOS use live Panta data?

The Live Panta mode requests real market data through a server-side Panta API integration. Availability depends on the configured API key, market coverage, upstream service, and whether a valid quote exists. Demo data is labeled separately.

Why does a market show “Unavailable” or “No snapshot”?

The upstream market may not provide a valid YES quote, or a successful snapshot may not yet have been recorded. Try **View quotes**, confirm you are in **Live Panta**, inspect the market and click **Refresh**. Do not assume an unavailable price means zero.

Why does Refresh say “Quote unchanged”?

The recorded quote may match the latest valid quote. OutcomeOS avoids storing redundant identical snapshots.

Why can I see a 50% forecast but no market snapshot?

The user forecast and Panta quote are separate records. A saved user estimate does not prove that the upstream market returned a valid price.

Can judges see my private workspace?

Not by default. A public report reveals selected, limited information via a share link; it is not a full workspace login. Use demo-specific, non-sensitive data.

Why did my public report stop working?

It may have expired, been revoked, or been replaced by a new report link. Ask the workspace owner for a current URL.

Can OutcomeOS execute trades or earn returns?

No. Its Panta integration is read-only. The product neither trades nor guarantees financial outcomes.

Is this a commercial, independently security-audited product?

No such independent audit or production-grade uptime guarantee is claimed. The current deployment is intended for evaluation and early-stage demonstration.

7. Technology and architecture

```
Web browser – HTML, CSS, JavaScript
  |
  ▼
OutcomeOS Python API / application server
  ├── Authentication, workspaces, decisions and forecasts
  ├── Evidence, snapshot history and public reports
  ├── PostgreSQL (Neon) for deployed data persistence
  └── Read-only HTTPS requests to the Panta API
      for market discovery and quote retrieval

Deployment: Vercel public application
Local development: SQLite-supported Python application
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The backend keeps the Panta credential on the server side; the API key must never be placed in a public webpage, documentation, screenshots, or Git commits.

For developers

The source repository contains implementation code, tests, and deployment instructions:

- **Repository:** <https://github.com/kakerumatsumoto756-debug/outcomeos>
- **Local launch (SQLite mode):** `python3 main.py` from the project root; then visit `http://127.0.0.1:8766/app`.
- **Python tests:** `python3 -m unittest discover -s tests -q`.
- **JavaScript syntax checks:** `node --check web/app.js` and `node --check web/share.js`.

Cloud configuration is different from local development: consult the repository deployment documentation. Do not store credentials in source control.

8. Product scope and important limitations

OutcomeOS currently focuses on **decision recording, collaborative forecasting, external market evidence, timestamped quote history, and reporting**. It should **not** be described as:

- A prediction-market exchange, wallet, or transaction execution service.
- A system that automatically places bets or trades.

- An autonomous oracle that determines real-world results.
- A guaranteed profitable strategy or source of calibrated probabilities.
- A product with verified paid customers, revenue, or independently audited security unless separately substantiated.

The founder pitch and product demo are supporting materials. The live application and source code provide independent technical context.

9. Contact and next steps

Try OutcomeOS: <https://outcomeos-ruddy.vercel.app/app>

Inspect the code: <https://github.com/kakerumatsumoto756-debug/outcomeos>

For a judge demonstration: open the site, create a non-sensitive Decision Room, record a forecast, link a genuinely matching Panta market, refresh the quote, and inspect the public report. When submitting a demo link, verify that it remains accessible without authentication and that any report expiration date extends through the judging period.

OutcomeOS is an independent hackathon project. Panta market data is used for read-only information. Nothing in this guide is financial or investment advice.