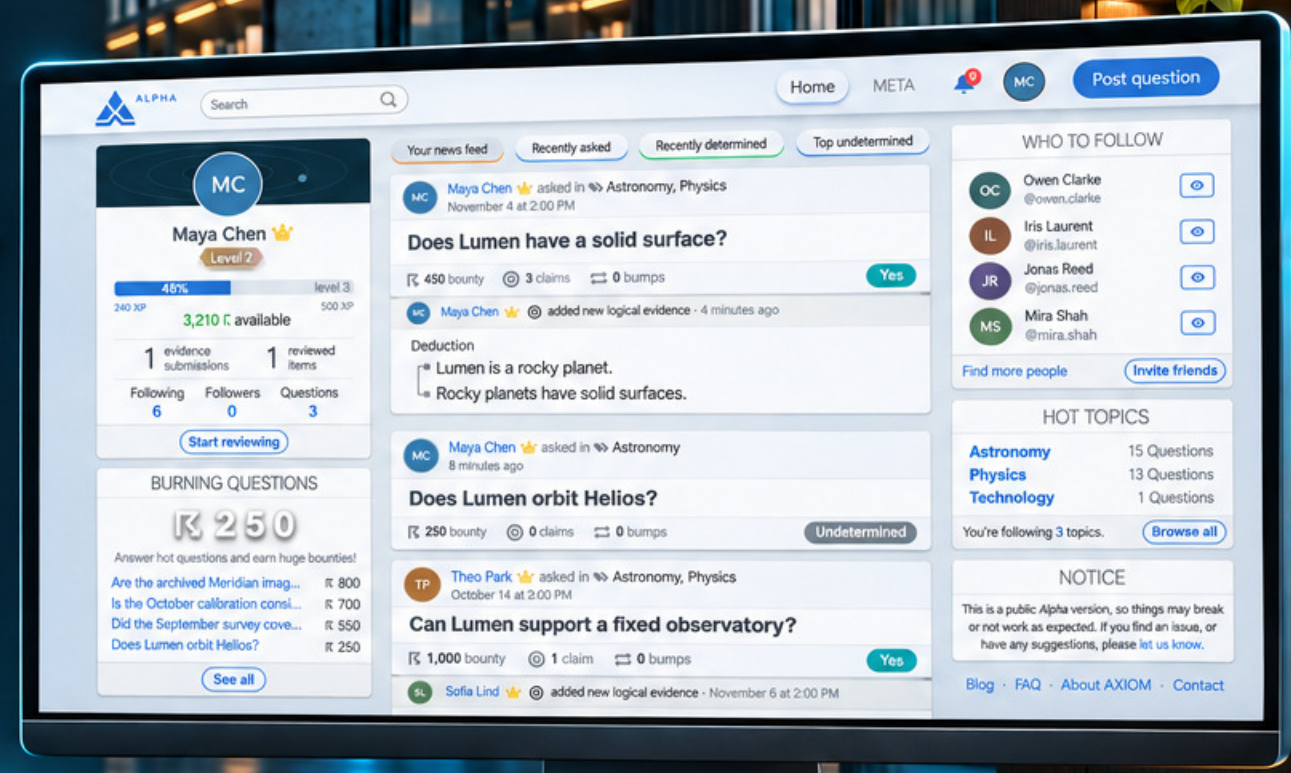
AXIOM.zone

Advanced epistemology and collective reasoning

FROM QUESTIONS. TO FACTS.

Based on Original Research



Emilian Manolache

Founder, Product Owner, Software Architect & Full-Stack Developer | End-to-End

Original epistemology research / Reasoning model & architecture / End-to-end engineering

2017-2020

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ORIGINAL RESEARCH

ORIGINAL RESEARCH
MADE INTO WORKING SOFTWARE

I studied how beliefs are justified, then designed and built AXIOM.zone around inspectable reasoning.

Meaning

Define the terms before debating the claim.

Justification

Make assumptions, premises and sources visible.

Revision

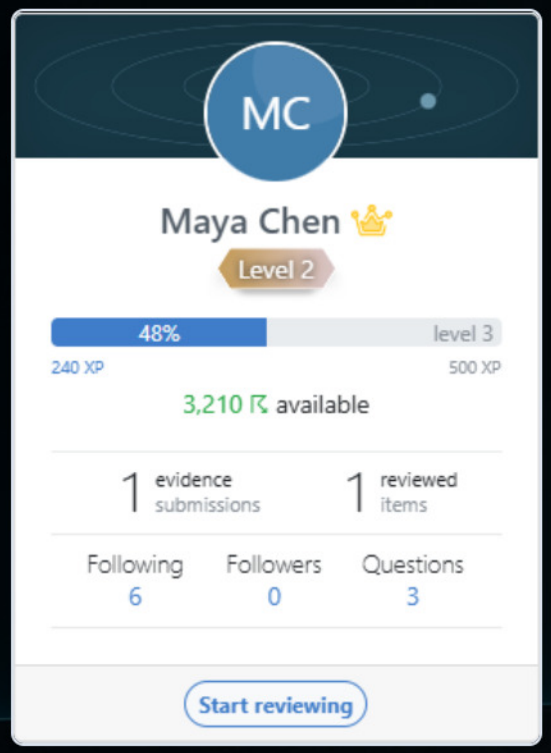
Revisit conclusions when their supporting evidence changes.

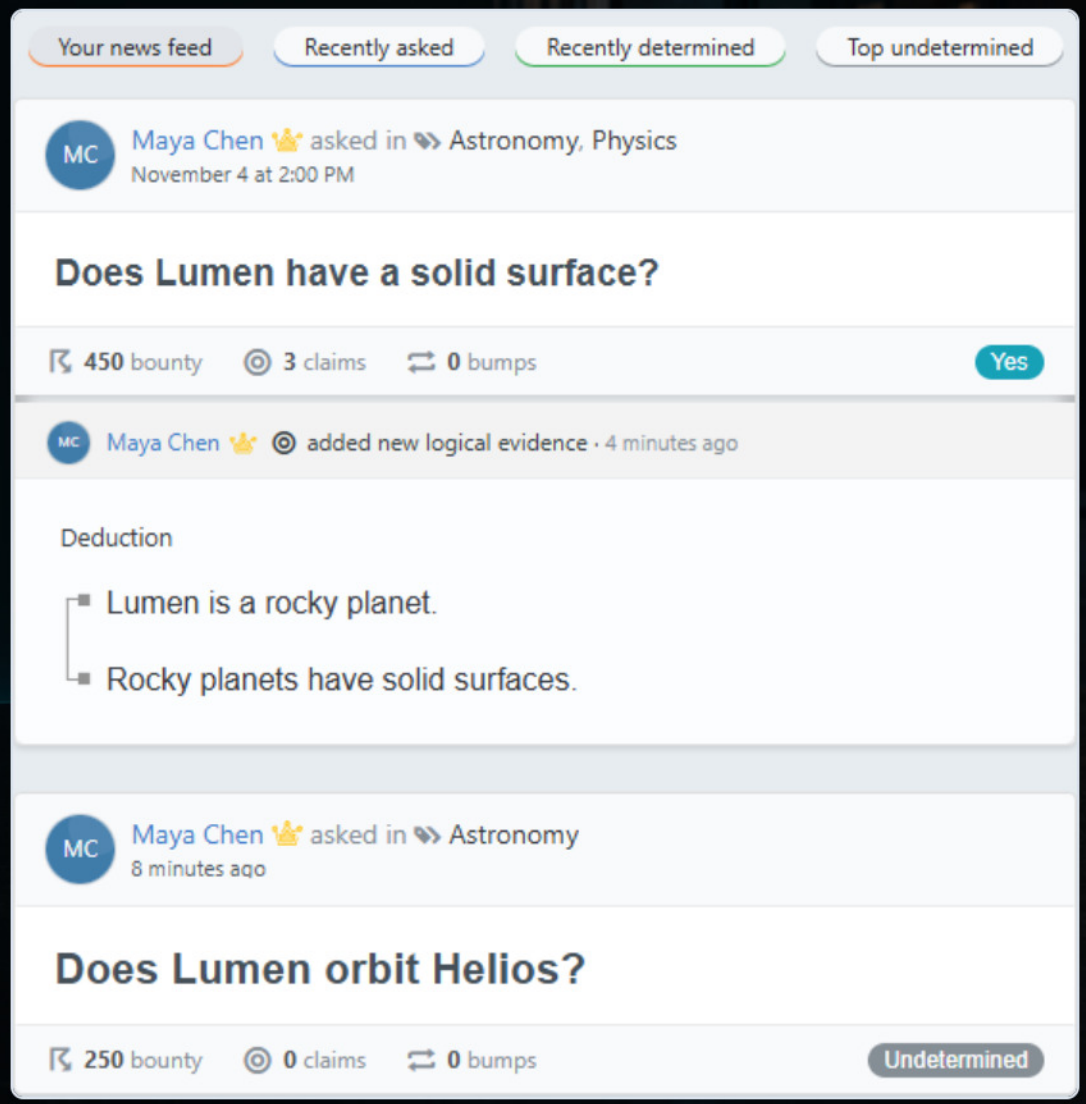
Foundherentism + fallibilism

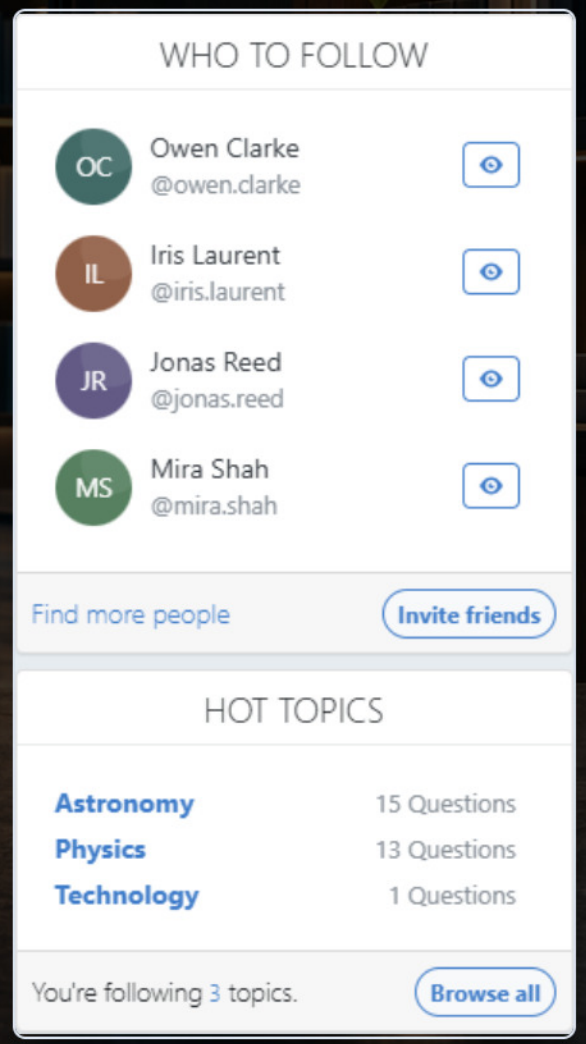
Ideas translated into definition, argument and review workflows

A COMMUNITY BUILT AROUND QUESTIONS

Follow inquiry, contribute reasons and see the evidence behind a developing answer.





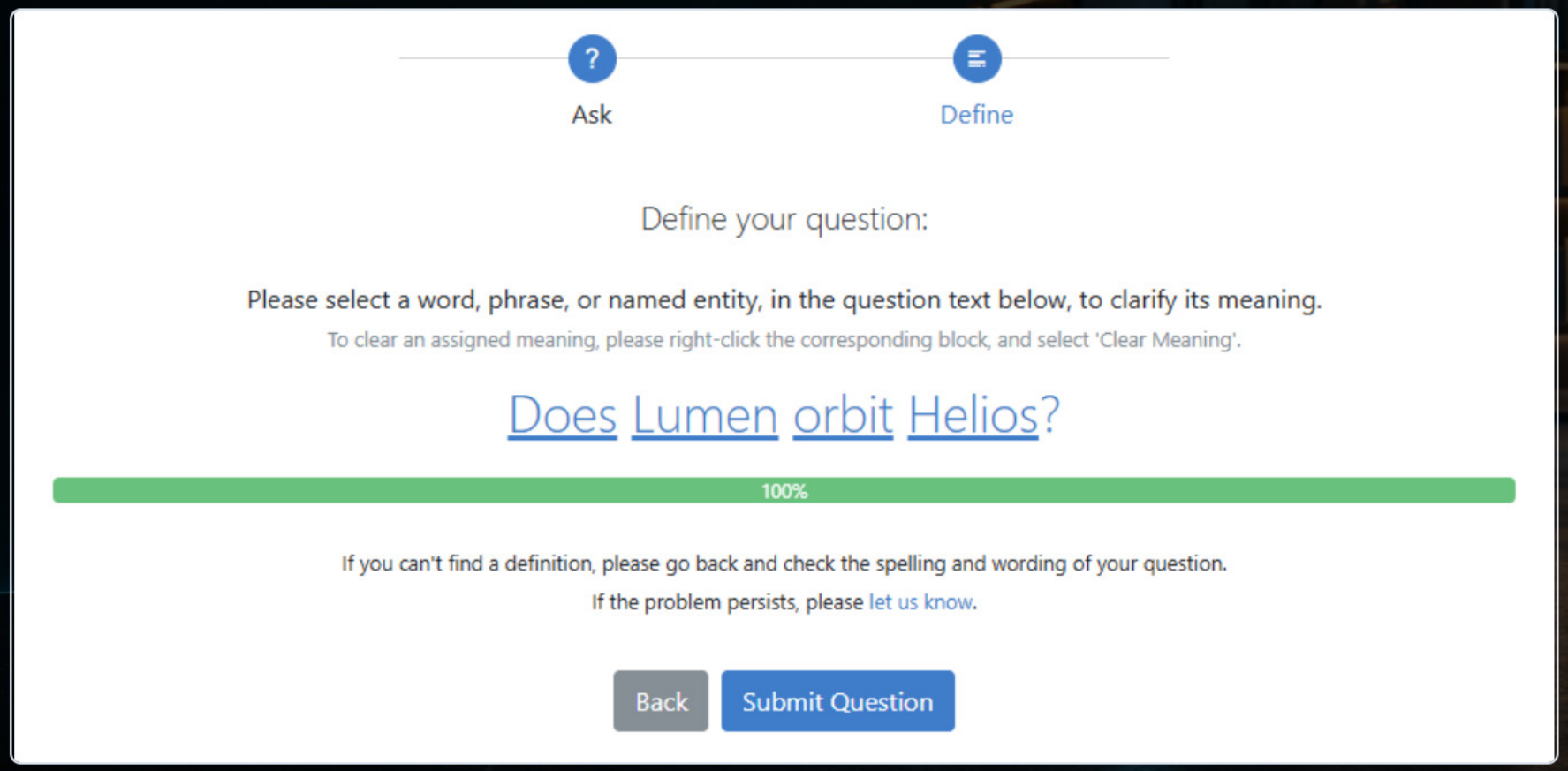


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DEFINITION WORKFLOW

DEFINE WHAT THE QUESTION MEANS

Select meanings for words, phrases and entities before submitting a question.



100%

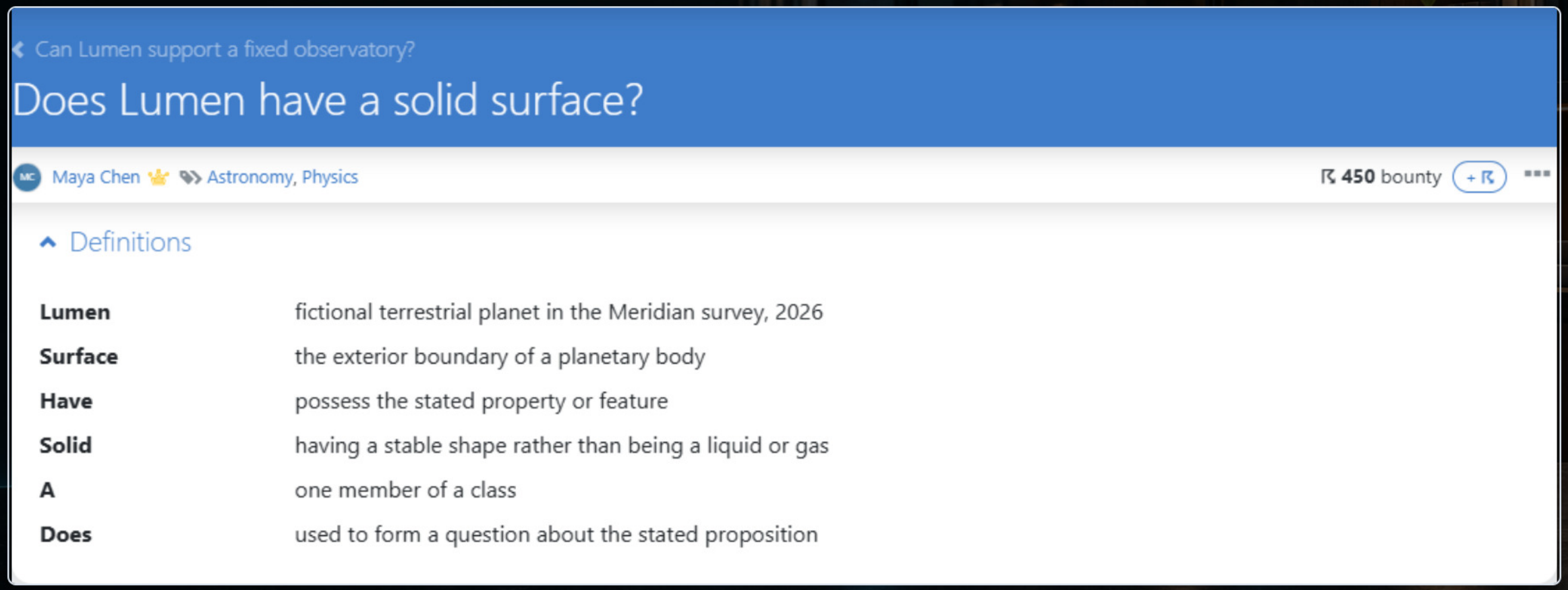
text-span coverage

Required by the form before submission.

A visible definition step makes the meaning of each question inspectable.

MEANINGS THAT STAY WITH THE QUESTION

Reusable definitions connect language, named entities and numbers to the reasoning model.



Dictionary senses

Oxford meanings

Named entities

Wikidata references

Numeric definitions

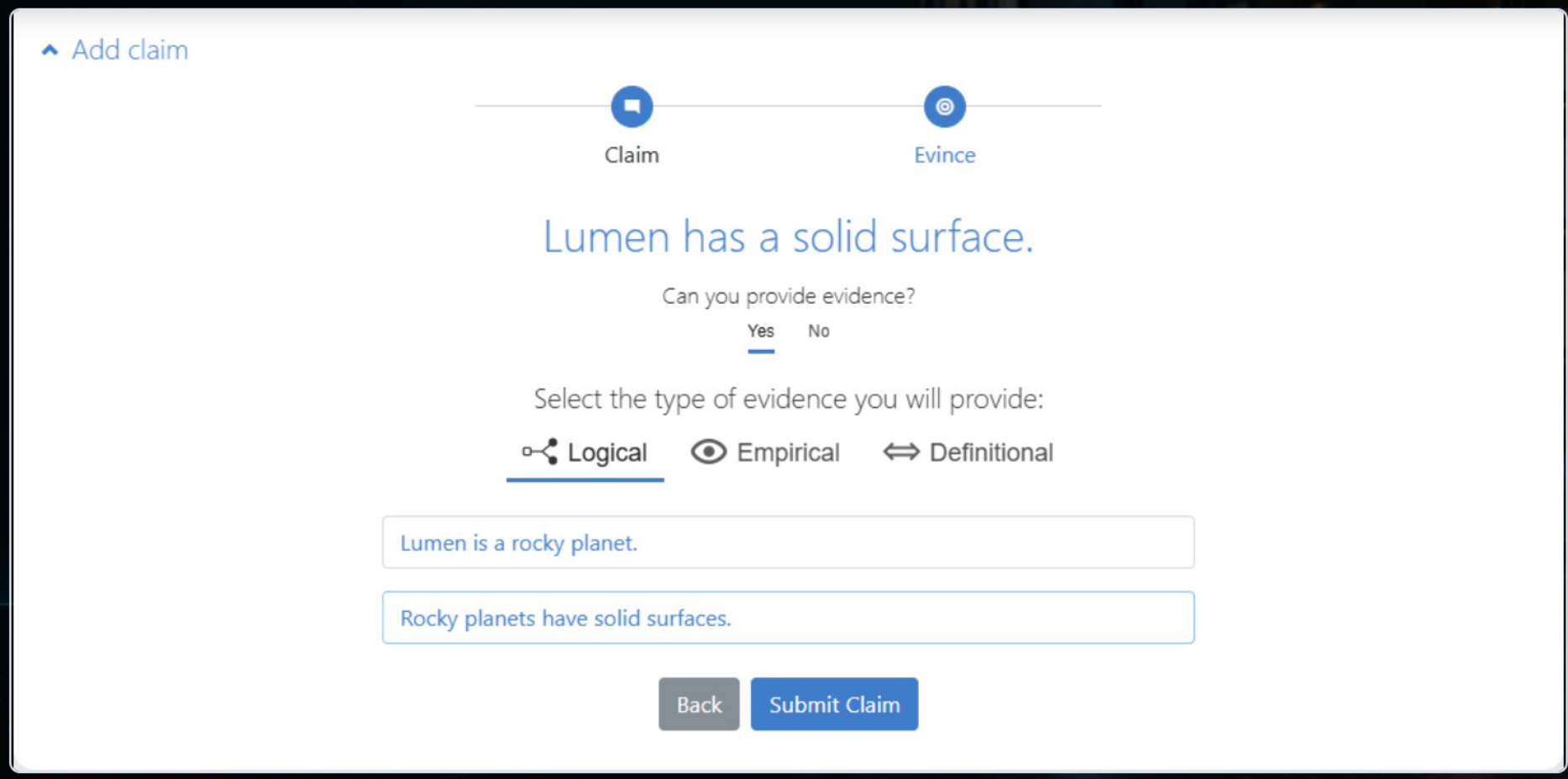
Explicit numeric meanings

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ARGUMENT CONSTRUCTION

CONSTRUCT THE ARGUMENT PREMISE BY PREMISE

Attach a two-premise deduction to a claim and reuse existing claims as its premises.



LINKED REASONING

Each premise can carry its own supporting justification.

Deterministic language rules turn new premise statements into questions and detect negative stance.

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REASONING MODEL

DIFFERENT REASONS
ONE CONNECTED MODEL

Claims link to explicit justifications that can be inspected and reviewed.

Claim

- **Axiom** — A proposed first principle
- **Definition** — An explicit meaning
- **Empirical** — An inspected source
- **Deduction** — Two linked premises
- **Contingency** — Conditional cases

The graph exposes both the structure of an argument and the current status of its support.

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GRAPH EXPLORATION

THE STRUCTURE BEHIND AN ANSWER

The Coherency map connects claims, justifications and review states in one navigable graph.



Sigma.js graph visualization

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EVIDENCE INSPECTION

PAPER EVIDENCE, IN CONTEXT

DOI, journal, full text, study properties and extracted conclusion remain available for inspection.

Evidence details

Type:	Research study
DOI:	10.0000/meridian.demo.2026.014
Journal:	Meridian Journal of Planetary Studies
Full-text PDF:	/fixtures/paper.pdf
Open access:	Yes
Study design type:	observational
Data collection type:	primary
Sample size:	48 observations
Conclusion:	The September and October observations consistently resolved stable surface features on Lumen. In this fictional survey, the combined imaging and density estimates support classification as a rocky planet with a solid surface.
Support for claim, if accurate:	strong

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DOCUMENT ENGINEERING

FROM DOI TO EVIDENCE INSPECTION

I connected metadata services, document caching, cloud OCR and deterministic conclusion extraction.

DOI metadata

Article and journal enrichment

→

Document retrieval

PDF attempts and HTML fallback

→

Cached documents

Local PDF cache and source references

↓

Cloud OCR

Google Cloud Storage and Vision processing

←

Conclusion extraction

Text cleanup and section-based rules

←

Evidence inspection

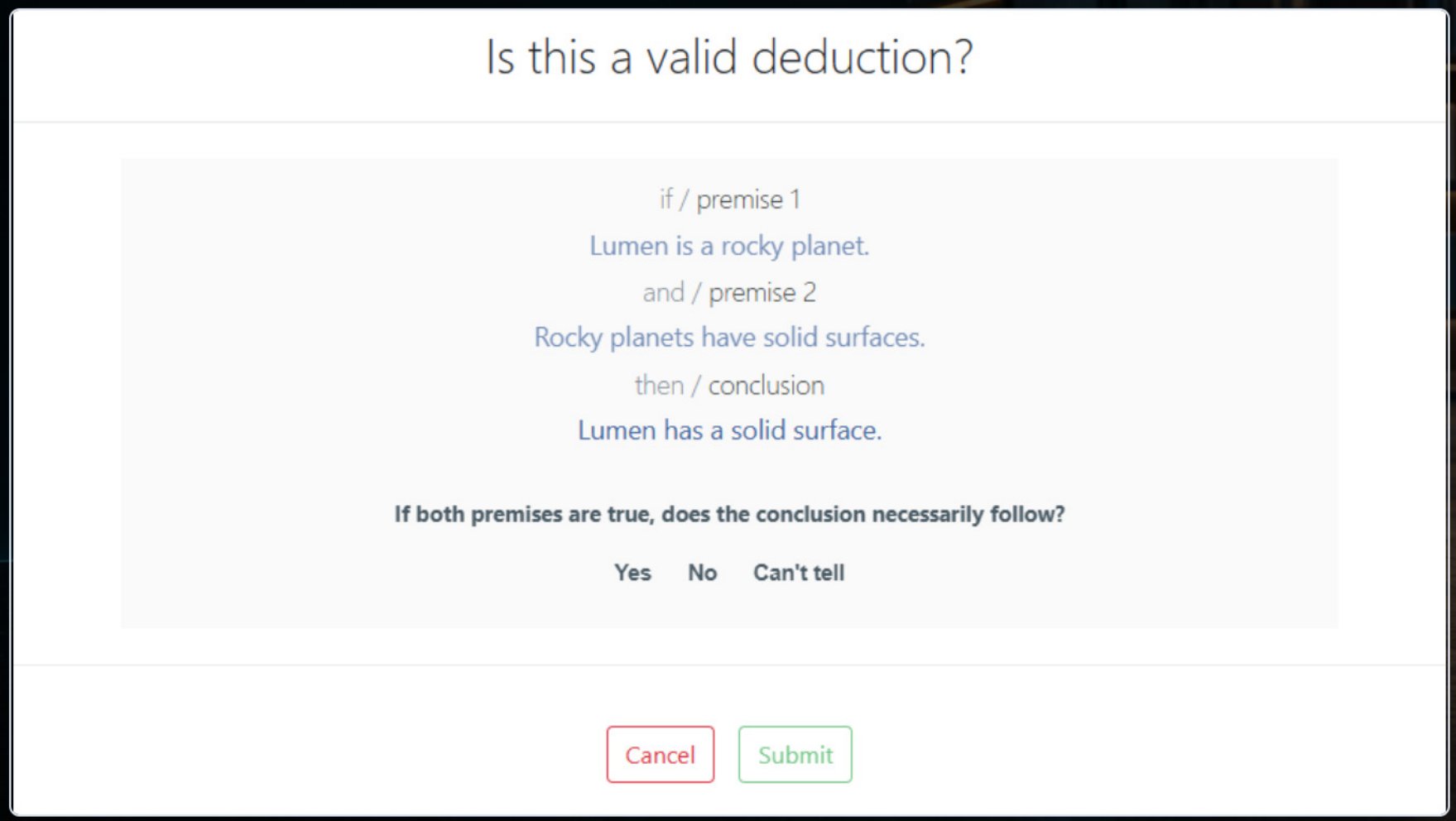
Source details and passages for human assessment

RETRACTION CONTEXT

A creation-time lookup can instantly invalidate retracted papers.

HUMAN REVIEW WITH EXPLICIT QUESTIONS

Reviewers assess the argument through conditional questions and recorded responses.



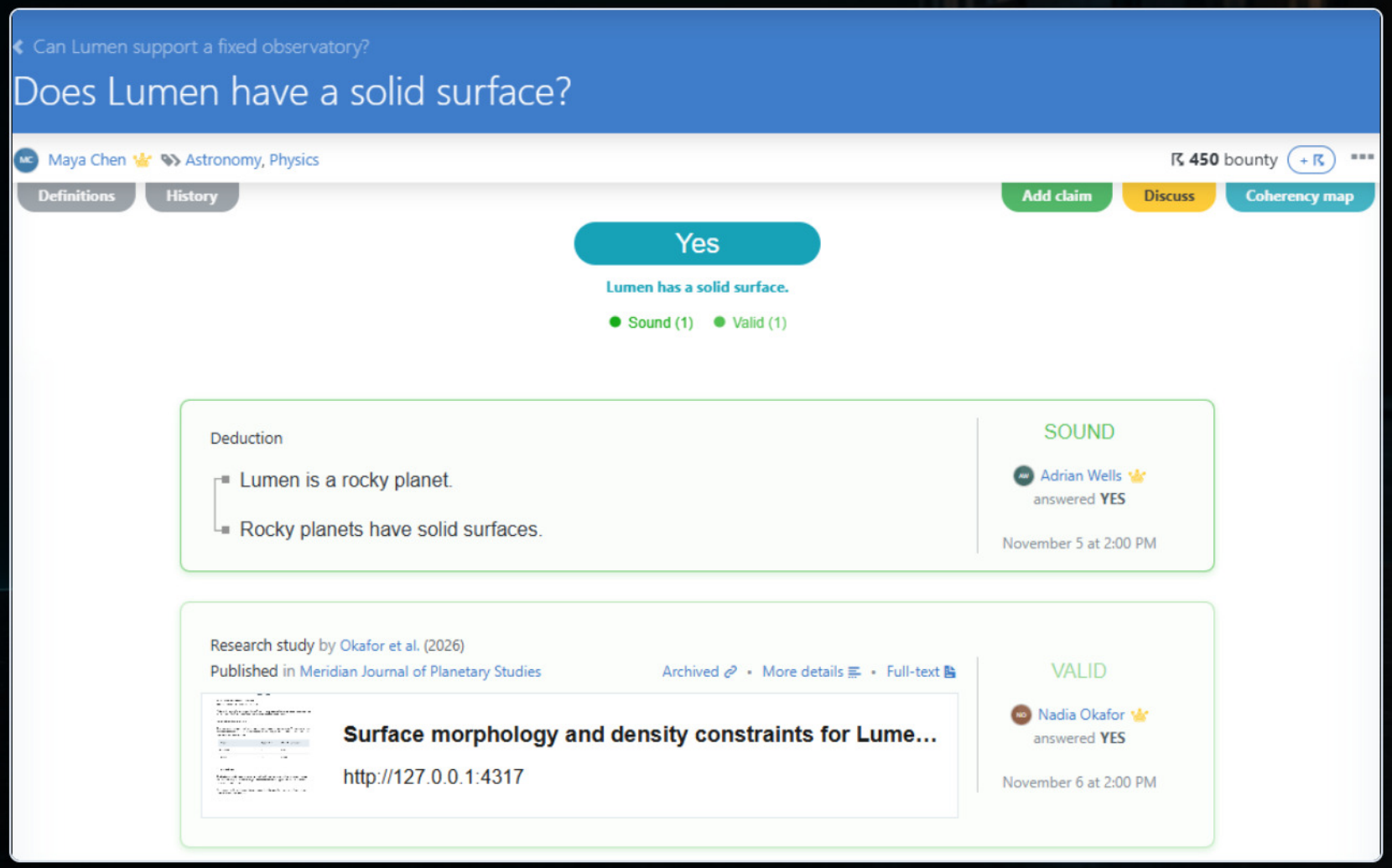
ASSESS THE INFERENCE

Does the conclusion follow from the premises?

Configured consensus rules combine the responses.

VALID INFERENCE SUPPORTED PREMISES

The model distinguishes a valid deduction from a sound deduction with accepted premises.



Question state reflects the reviewed support.

MODEL RULE

Valid deduction

+

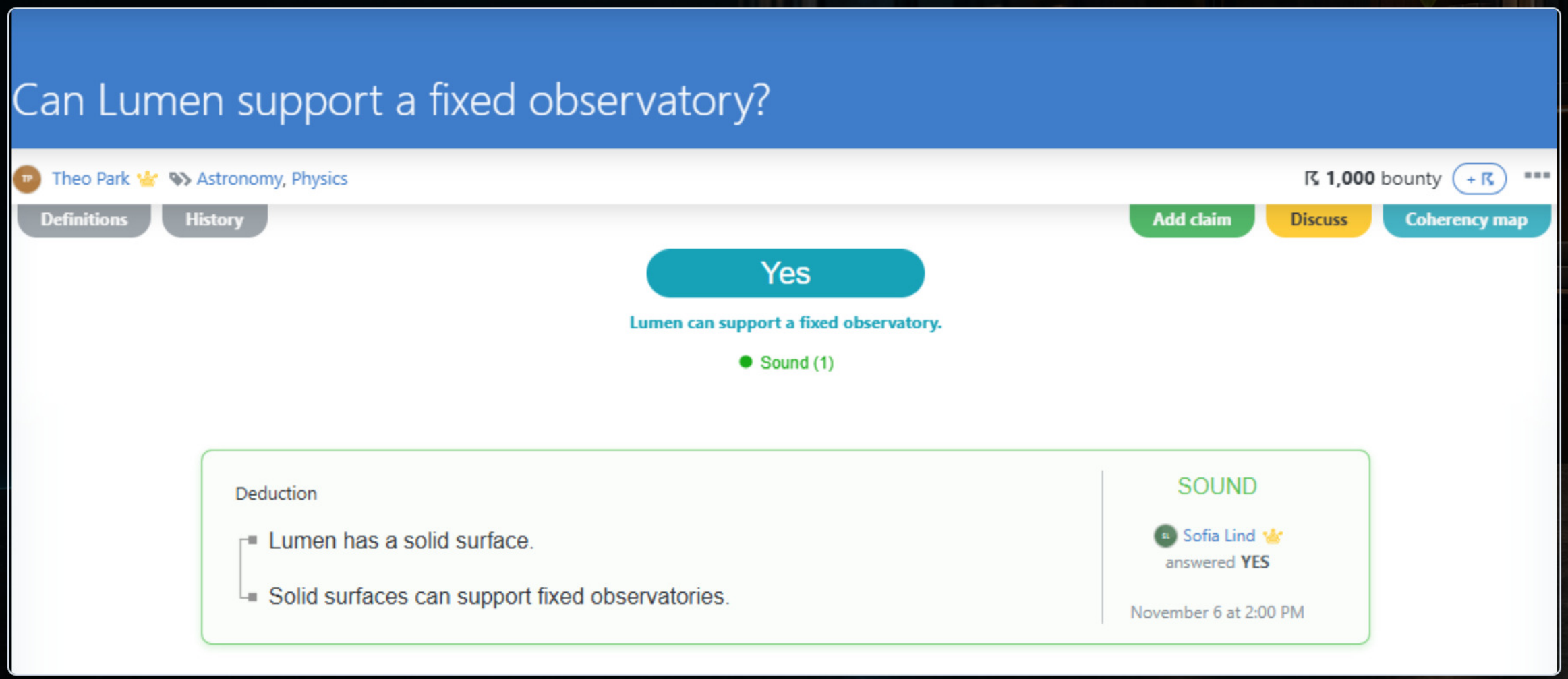
Both premises are true

↓

Sound

WHEN A PREMISE CHANGES FOLLOW THE CONSEQUENCES

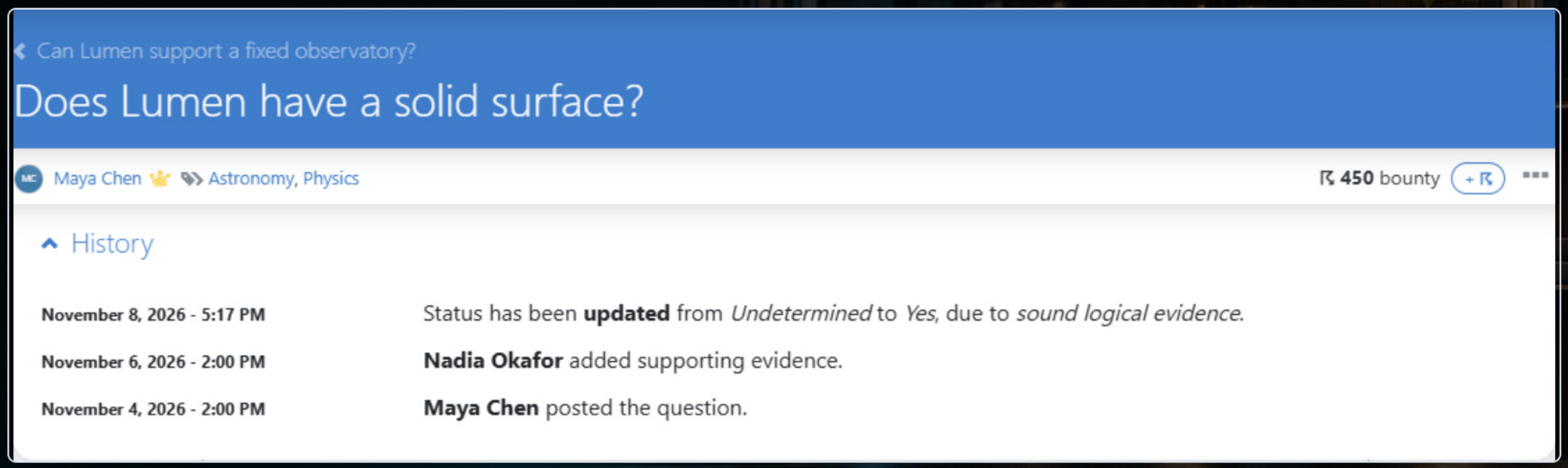
The review outcome flows through linked premises into the dependent question.



Premise status → Dependent deduction → Answer

A VISIBLE HISTORY OF CHANGING SUPPORT

Record why an answer changed and revisit review when relevant evidence changes.



TRACK THE EVIDENCE SET

Compare supporting and opposing evidence IDs with the set already reviewed.

REOPEN WHEN SUPPORT CHANGES

New opposition or removed support can return a question to review.

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SOCIAL PRODUCT DESIGN

FOLLOW THE PEOPLE BEHIND THE REASONING

Profiles connect contributors to their questions, activity and reputation.



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SYSTEM ARCHITECTURE

ARCHITECTURE BUILT AROUND THE REASONING MODEL

Angular / TypeScript

Definitions · Questions · Review · Sigma.js graph

Node.js / Sails

Workflow services · Review rules · Dependency reevaluation

Waterline / MongoDB

Questions, claims, evidence, definitions, reviews and history

Meaning services

Oxford · Wikidata
Compromise.js language rules

Document services

PDF cache · PDF.js · Puppeteer
Cloud Storage / Vision OCR

LESS REPEATED WORK ACROSS THE PLATFORM

I optimized data lookup, component updates and rendering as the product evolved.

Dictionary caching

Reuse stored Oxford lookups and definitions instead of repeating the same external requests.

Precomputed follow states

Calculate following status on input and update, moving repeated checks out of templates.

Simpler rendering & imports

Streamline link rendering and narrow service imports to keep Compromise.js out of the main bundle path.

ORIGINAL VISION
END-TO-END OWNERSHIP

Original epistemology research / Reasoning model & architecture / End-to-end engineering

RESEARCH + PRODUCT

Turn a theory of justification into usable definition, argument and evidence-review workflows.

FULL-STACK DELIVERY

Application, graph, document services,
review lifecycle, social features,
credits, PRO subscriptions and administration.

EARLY USER FEEDBACK

“This seems like it might be more of what I was hoping Thinkspot would be.”

Justin Paul