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Problem Statement

- Modern hybrid workplaces rely heavily on frequent meetings, yet capturing and organizing key insights remains a significant manual burden.
- Traditional note-taking often leads to information fragmentation, where critical action items and decisions are easily lost or overlooked.

Requirements

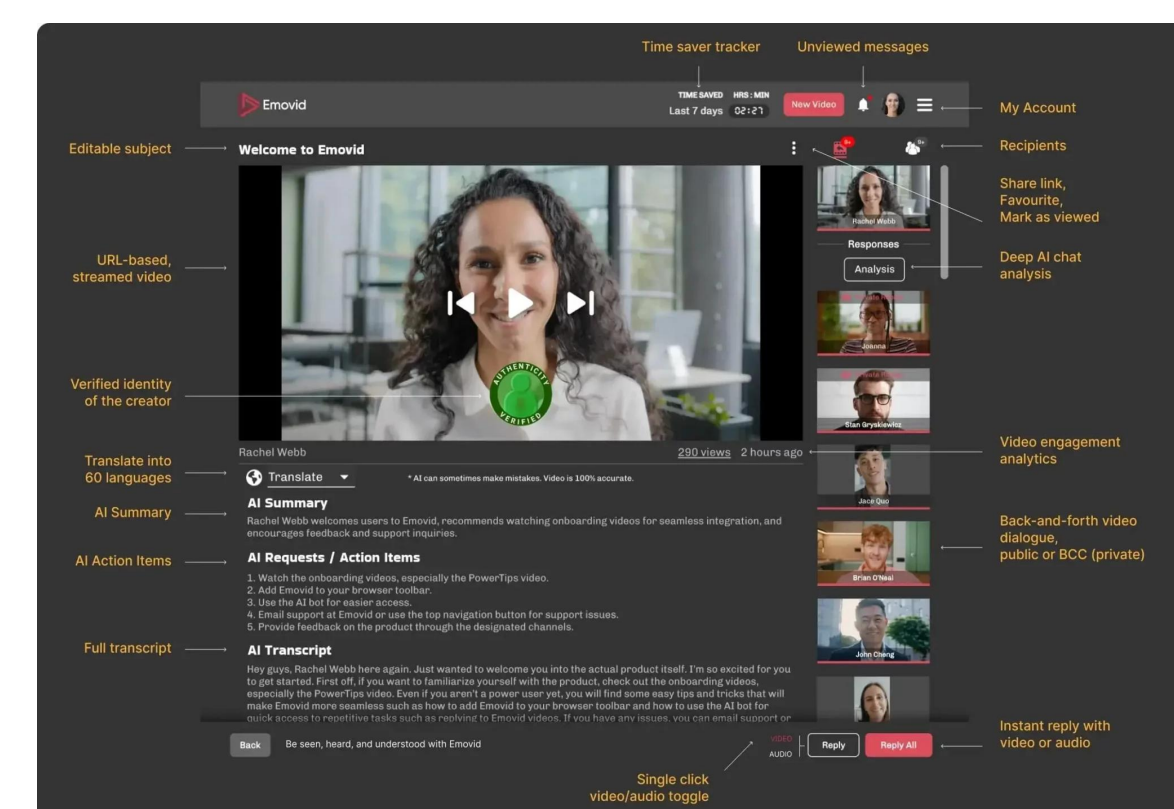
E-Ink Tablet Integration

- Enabling real-time, AI-driven clarifications and queries directly from handwritten notes.
- Efficiently distilling key information from voice recordings to serve as rich contextual metadata for LLM interactions.

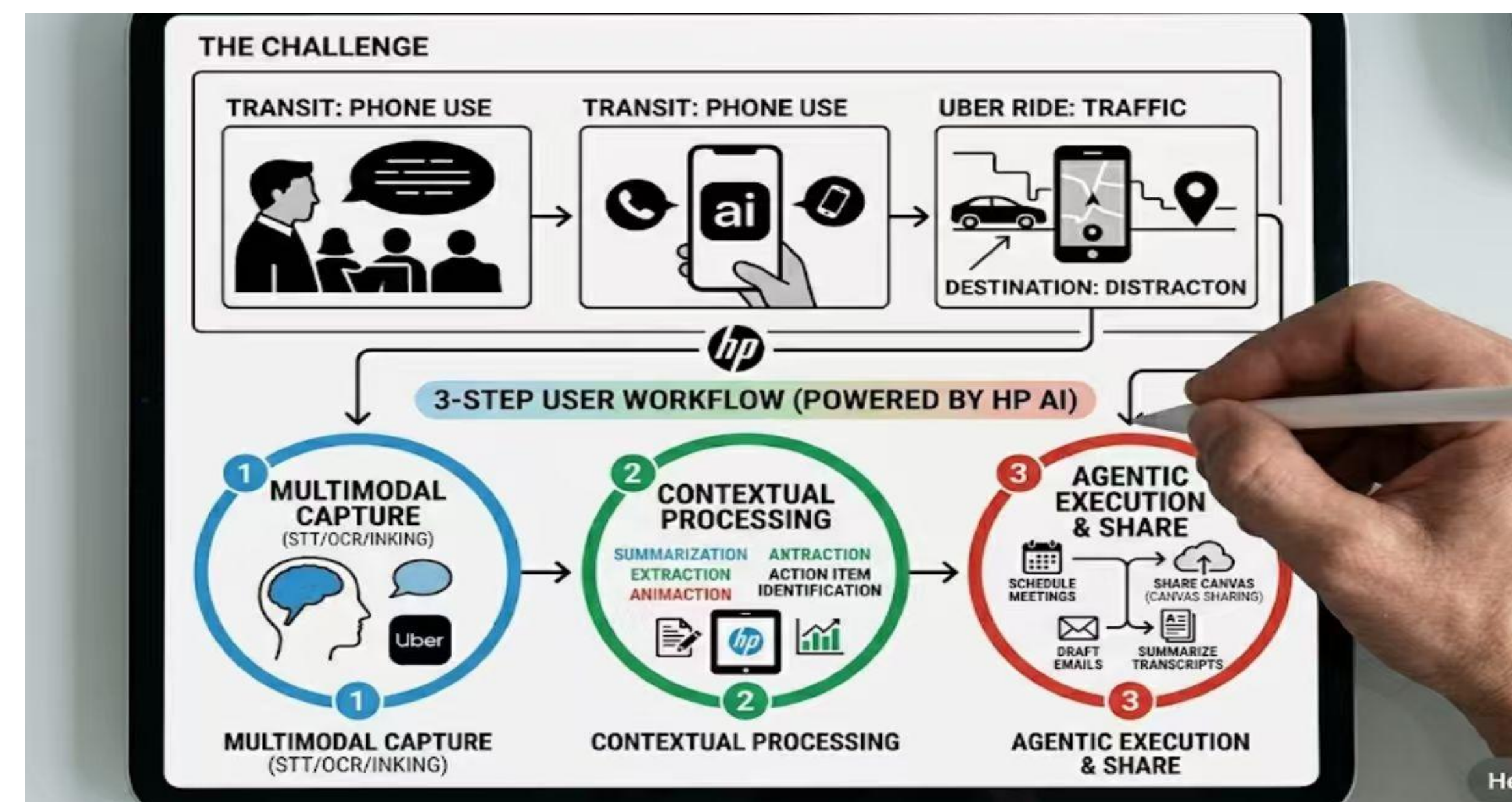
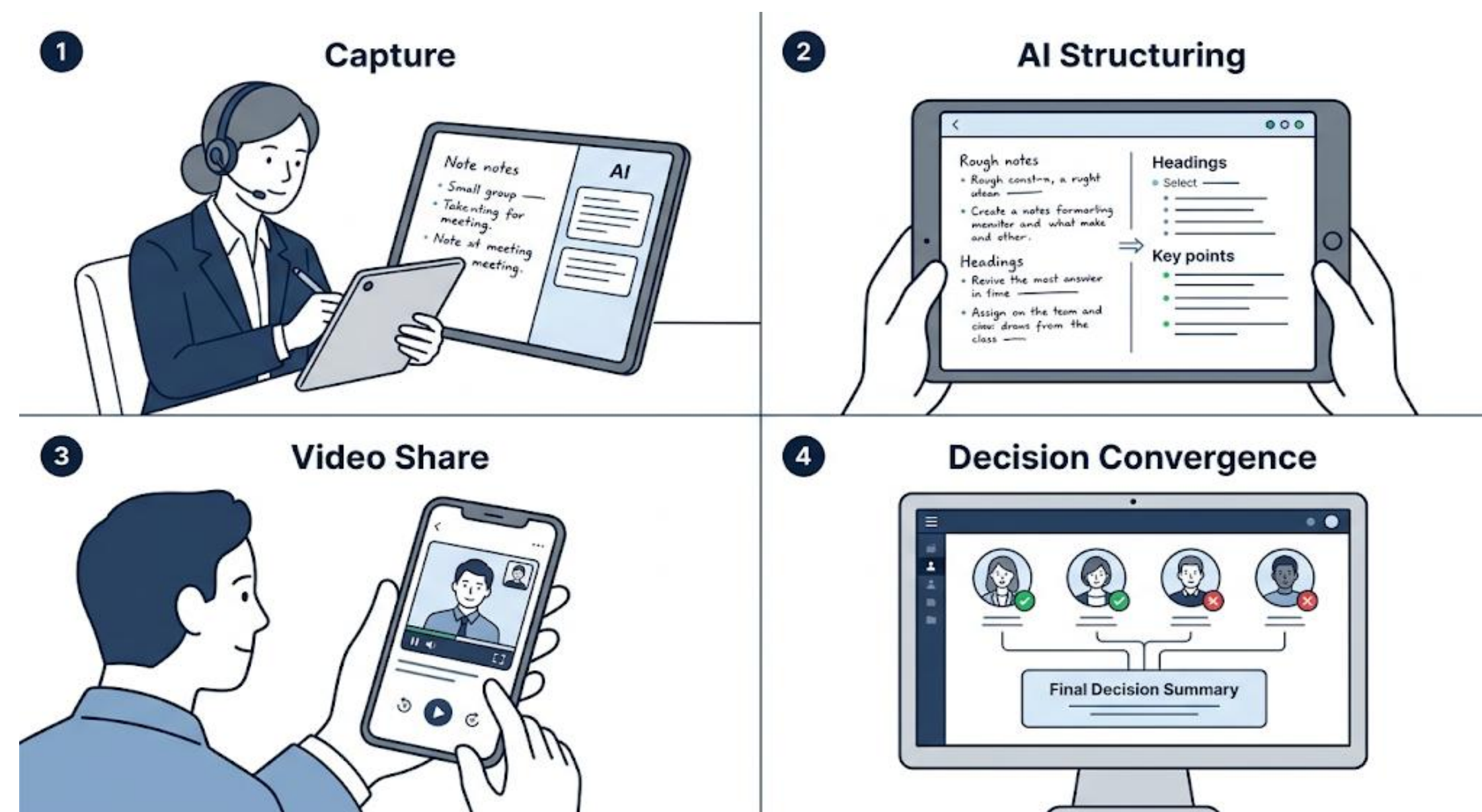


Emovid Ecosystem

- Shared multimodal meeting insights
- Cross-session consensus synthesis
- AI-assisted follow-up email generation

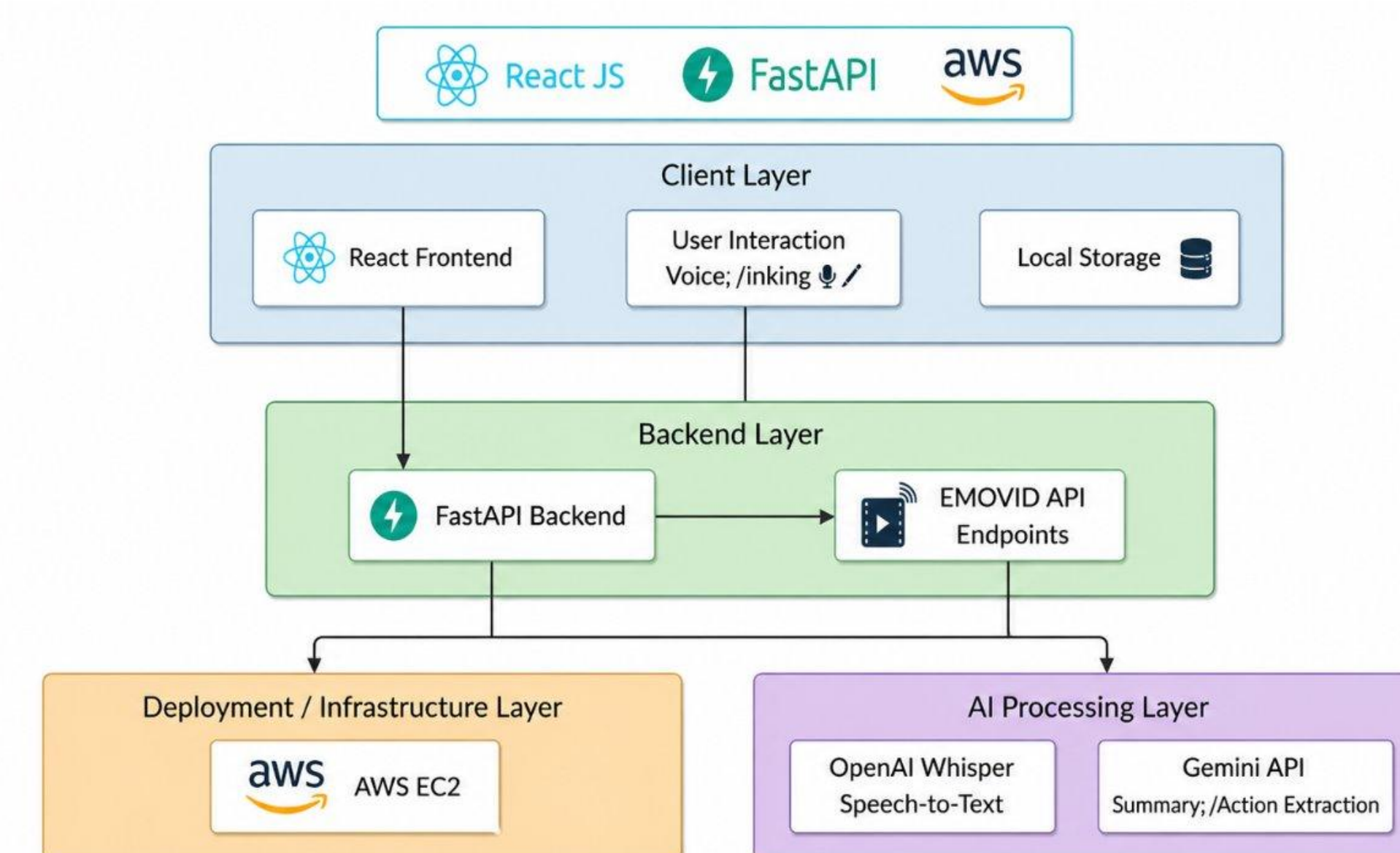


User Core Logic



- Capture Emovid conversations on mobile during commute or travel.
- Import conversations into the workplace ecosystem for E-Ink review, annotation, and AI-assisted follow-up.

Implementation



User Experience Layer

- React Native: cross-platform mobile interface for capture and review.

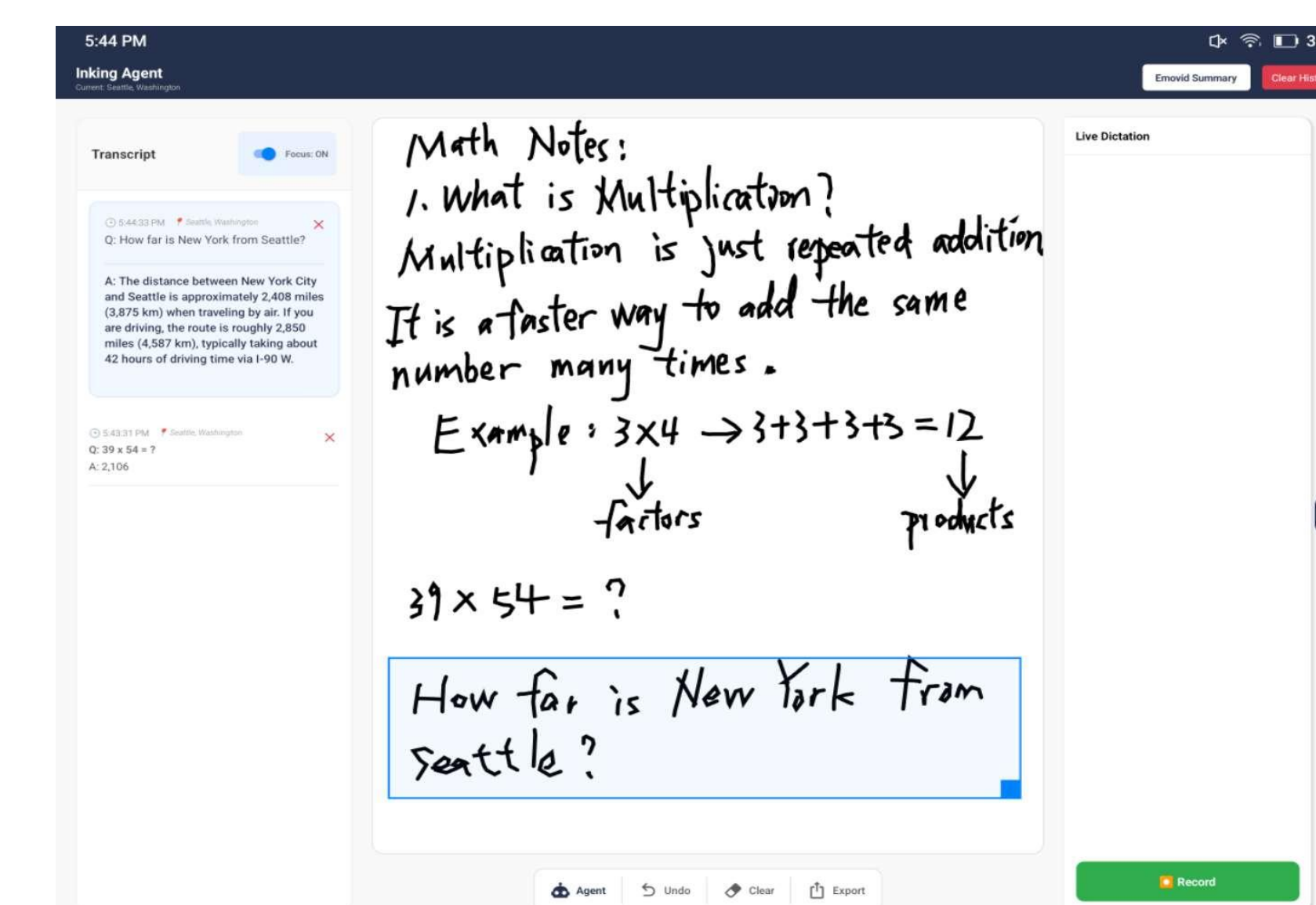
Service Logic Layer

- FastAPI: asynchronous backend for low-latency data processing.
- AWS EC2: cloud deployment for reliability and scalability.

AI Core

- Gemini Multimodal AI: voice dictation, image recognition, and LLM reasoning.
- Emovid API: meeting-context enrichment and ecosystem integration.

Core Functionality

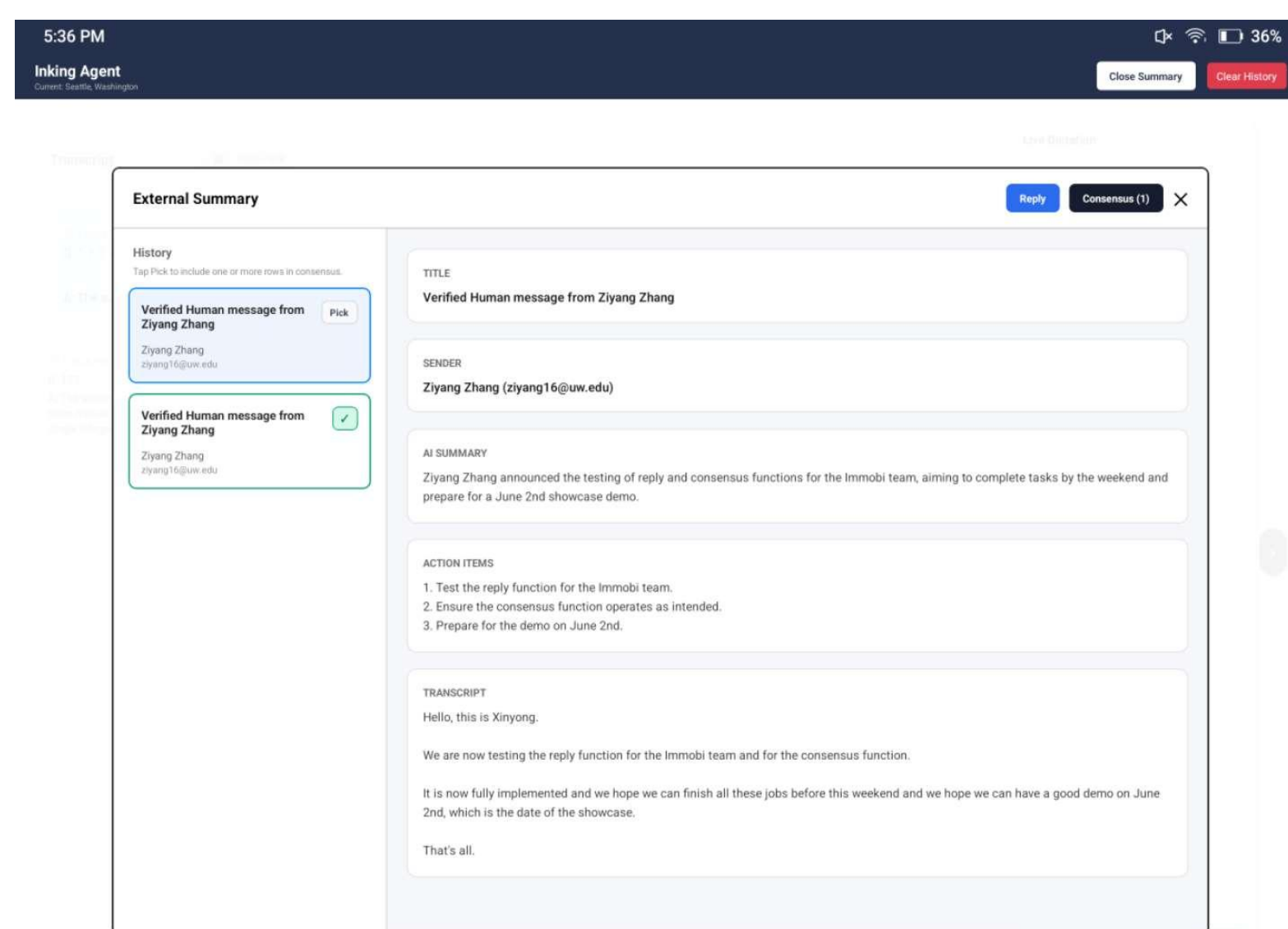


Interactive Smart Note-taking.

- Seamless LLM querying via handwriting recognition and integrated voice processing.

Collaborative Emovid Ecosystem.

- AI-driven summarization, multi-source consensus synthesis, and streamlined feedback workflows.



Future Work

User interface (UI)

- Pressure responsiveness as an interaction method
- Stroke Time Machine & Automated Silent To-Do Creation

Application

- Long-term Memory & Personalized Profile Self-learning
- Generative Sketch-to-Interactive Prototyping (Voice-Enabled)
- Automated Periodic Summaries (email)

Technology

- Incorporate RAG and vectorDB, relying less on prompt and conversation chain with the LLM

