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Problem Statement

Sex education remains one of the most **awkward, neglected, and inconsistent** parts of schooling. From our survey of 100+ young adults, **72% never had a proper conversation about sex, consent, or personal boundaries**. When institutions avoid these topics, young people turn to the internet — often leading to **misinformation, fear, or unsafe behavior**. The problem affects teenagers and young adults globally, especially in culturally conservative communities. There's an urgent need for **safe, engaging, and accurate sex education** that can adapt to diverse contexts and actually start conversations — not just deliver content.

Target Audience & Context

Our core users are **students aged 13–24**, from high schools, colleges, and universities. Many come from environments where sex ed is either skipped or treated like a checklist item. Parents and educators are often hesitant or ill-equipped to guide them. We also serve **NGOs and organizations** working in youth wellness, who lack modern tools to educate at scale. Beyond Whisper fits perfectly here — **discreet, AI-powered, and emotionally intelligent**. It feels more like a safe friend than a school lecture.

Use of Gen-AI

Beyond Whisper uses Generative AI to deliver sex education that feels like a conversation, not a classroom.

- Roleplay Simulation Engine:** Using Google's Gemini API, we generate **age-appropriate, contextual, and culturally sensitive scenarios**, allowing users to make decisions and receive **real-time feedback**.
 - AI Video Generation (via Manim):** Key concepts and conversations are transformed into **short animated videos**, dynamically generated using **Manim and AI scripts**, ensuring **visually engaging explanations** of sensitive topics like consent, STDs, emotional safety, and boundaries.
 - Personalization:** AI adapts content based on age, history, and behavior — ensuring content is **never generic** and always emotionally aware.
Gen-AI gives us **scalable, inclusive, and emotionally intelligent content**, bridging the awkward gap between school silence and unsafe Googling.
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Solution Framework

Core Idea:

An **AI-powered sex education platform** with interactive simulations and dynamic video lessons designed for students, institutions, and NGOs.

Website Overview:

- **Anonymous User Onboarding:** User enters age group and chooses a topic.
- **Roleplay Scenarios:** Gemini-powered branching conversations around real-life issues (e.g., being pressured into sharing photos, handling inappropriate DMs).
- **Interactive Choices + Feedback:** AI provides learning-focused responses.
- **Dynamic Video Explainers:** Manim-generated animations present topics in 60–90 sec digestible, school-friendly formats.
- **Smart Curriculum Paths:** Learners progress through personalized paths covering consent, relationships, puberty, safety, and emotional health.

Features Overview:

- **AI Chatbot** – Answers sensitive sex-ed questions in an age-appropriate and empathetic tone.
- **Roleplay Simulator** – Interactive “choose-your-response” scenarios to learn boundaries and consent.
- **Talk Simulator** – Guides users through simulated conversations with parents or partners.
- **Personalized Stories** – AI-generated reflective stories tailored to age and learning needs.
- **Dynamic Video Lessons** – Animated explainer videos auto-generated using Manim and AI scripts.
- **Age-Based Content Filtering** – Customizes every experience based on the user's age group.

Feasibility & Execution

We’ve already built the MVP using **Vanilla JS**, **Firebase**, and **Gemini API**. All tech used is open-source or accessible. Scenarios are generated on the fly. Contents are rendered on the server and embedded into the site. The tool is ready to be **tested with pilot institutions**. Execution requires no external datasets — just survey-informed prompts and live API calls. It’s designed to be lightweight, intuitive, and hackathon-ready.

Scalability & Impact

Beyond Whisper will be distributed to **schools, colleges, and NGOs via a subscription-based model**. The solution is modular — we can plug in voice, gamification, multi-language support, or parent-educator modules over time. If scaled globally, Beyond Whisper could become the **Duolingo of Sex Education** — transforming how we teach one of the most important human skills.