PRD

Perfect — let's capture this in a **Product Requirements Document (PRD)** draft so you have a structured base to refine before moving toward design. I'll keep it tailored to your **Human-in-the-Loop Training (HILT) Practice App** concept.

📄 Draft PRD – Human-in-the-Loop Training (HILT) Practice App

1. Purpose

This app provides **experienced learning designers** with a **practice ground to test, stretch, and refine their Human-in-the-Loop skillset.**

It delivers bite-sized, interactive simulations that model real-world design scenarios where AI efficiency must be balanced with human insight.

Narrative framing:

> "As a learning designer, your role is to balance AI efficiency with human insight — to be the Human in the Loop. This app is a practice ground to test, stretch, and refine that skillset through simulations."

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2. Audience

- **Primary Users**: Experienced instructional/learning designers (not novices).
- **Needs**:
  - Practice applying design judgment when reviewing or refining AI-generated outputs.
  - Quick, engaging reinforcement of design concepts (e.g., scaffolding, bias-checking, assessment quality).
  - Independence (self-paced, no reliance on discussion forums).

- **Tone**: Respect professional expertise, avoid "student" framing.

3. Goals & Non-Goals

Goals

- Deliver engaging, scenario-based practice for Human-in-the-Loop decision-making.

- Provide **lightweight reflection** without requiring long journaling.

- Motivate progress through badges, concept cards, and skill challenges.

- Enable modular use (pick challenges by topic, not forced sequence).

Non-Goals

- This is not a peer-to-peer learning community (no discussion boards).

- This is not an in-depth LMS with tracking of grades or credits.

- Not intended as a beginner-level AI training tool.

4. Core Features

1. **Challenge Paths**

   - Thematic areas learners can choose from:
     - Prompting & Refinement
     - Bias & Ethics
     - Scaffolding & Sequencing
     - Assessment Quality

2. **Mini-Lab Simulations**

   - Interactive tasks where AI provides flawed or incomplete outputs.

   - Learner engages via editing, selecting, or reordering.

   - Immediate feedback provided.

3. **Quick Reflection Check**

- Multiple-choice reflective prompts ("This reminds me to always...").

- Optional note entry for deeper reflection.

4. **Rewards & Progression**

- Badges tied to skills demonstrated (e.g., Prompt Whisperer, Bias Buster).

- "Concept Cards" unlocked after each challenge — quick reference takeaways.

- Progress meter showing completion of paths.

5. **End Artifact**

- Completed "Deck of Concept Cards" representing the learner's mastery.

- Exportable as PDF/visual sheet for personal reference.

5. User Flow (Single Challenge)

1. **Setup Screen**: Scenario presented (e.g., AI draft with flaws).

2. **Simulation Task**: User edits/selects/reorders to fix or improve.

3. **Feedback**: Instant confirmation and explanation.

4. **Quick Reflection**: Choose reflective option (optional note).

5. **Reward Screen**: Badge + Concept Card unlocked.

6. Success Metrics

- **Engagement**: % of users completing at least one full Challenge Path.

- **Retention**: % returning to complete multiple paths.

- **Learning Impact**: Self-reported confidence increase in Human-in-the-Loop practices (survey).

- **Efficiency**: Avg. time per challenge <10 minutes.

7. Technical Considerations

- **Platform**: Mobile-first progressive web app (PWA), accessible via desktop.

- **Interactions**: Drag-drop, text edits, multiple-choice selection.

- **Export**: PDF/visual export of Concept Cards.

- **Tracking**: Lightweight progress storage (local storage or user account).

8. Risks & Constraints

- Risk of oversimplifying real-world AI scenarios → must ensure authenticity.

- Experienced designers may find badges too "gamified" if tone is not balanced.

- Need to avoid heavy cognitive load — keep simulations bite-sized.

9. Future Enhancements (Stretch Goals)

- Adaptive challenges that adjust difficulty based on responses.

- Optional leaderboards or team competitions (if later integrated into org context).

- AI-powered feedback on user free-text reflections.

- Integration with LMS for org-level tracking (if needed).

👉 This PRD frames the app as a **practice tool for professionals**: independent, modular, fast, and concept-driven.

Would you like me to **expand this PRD into a feature backlog table** (Epics → User Stories → Priority) so you can see how the build might be broken down?