AI-Powered Interactive Ideas Evaluator PRD

Overview
This product is an AI-powered tool designed to assist analysts at a VC firm specializing in sustainability and circular economy. It will enable analysts to query and evaluate submitted ideas efficiently while ensuring unbiased and fair assessments.

Purpose
The main goal is to streamline the process that VCs use to decide whether to interview a startup, increase the accuracy of analysis, and reduce biases in decision-making.

Features
1. Interactive Chat System:
   a. AI driven thread to understand and respond to analyst queries. AI agent here is tuned with system/user prompts to ensure it acts as an evaluator with relevant criteria
   b. Ability to extract key information from submitted documents (PDFs/PPTs).
   c. Customizable query templates focused on sustainability and circular economy aspects. (help analyst with pre-loaded questions)
2. Bias Detection and Mitigation: Retrieval augmented generation of docs which highlight potential biases in both submissions and analyst evaluations based on objective assessment criteria.
3. Market Insights: Generates real-time market analysis and competitor landscape for the presented ideas.
4. Risk Assessment: Identifies potential risks and challenges associated with each startup idea.
5. Customizable Filters: Allows VCs to set preferences based on industry, investment stage, and other criteria.
6. Integration: Seamlessly integrates with existing VC portfolio management and CRM tools.

User Interface
1. Intuitive design for ease of use.
2. Dashboard with form inputs from the VC analyst
   a. Ability to Intake a CSV of the ideas (if we are envisioning this correctly)

Technology Stack
1. Retrieval augmented generation process to query documents & saved data, and logic-based rules for bias detection.
2. OpenAI LLM
3. Streamlit library to host cloud-based app.

Market Research
Competitor analysis reveals limited offerings focusing on bias detection in VC evaluations. Growing demand for tools that aid in sustainable and ethical investment decision-making.

Here is a hypothetical scenario demonstrating how a VC analyst might interact with the AI Evaluator to analyze the submitted idea:

Step 1: Submission and Initial AI Analysis
The analyst submits the problem-solution pair into the AI Evaluator platform.
The AI performs an initial analysis using an OpenAI extractor function to extract key themes like "construction," "pollution," "waste management," and "sustainable materials."

Step 2: Detailed Querying
The analyst queries the AI for specific information:
Market Viability: "Assess the market size and growth potential for sustainable building materials."
Technical Feasibility: "Evaluate the technical feasibility of producing bricks from foundry dust and waste plastic."
Sustainability Impact: "Analyze the environmental impact of replacing traditional bricks with this solution."

Step 3: AI-Generated Insights and Data Integration
The AI cross-references the idea against existing databases of industry reports, market trends, and scientific research to provide comprehensive insights.
The AI presents data on similar startups, patent filings, and research on material science to the analyst.

Step 4: Additional Criteria
The analyst uses an interactive interface to adjust parameters like "expected ROI," "payback period," and "alignment with sustainability goals" to see how they affect the idea's scoring.
Other prompts mentioned and discovered by team could be applied here.
Initial score is produced.

Step 5: Bias Detection and Mitigation
Finally, the AI checks for any unconscious bias in the overall thread evaluation by comparing it to documents that talk about types of bias.
If a potential bias is detected, the AI suggests an objective re-evaluation or consultation with a peer (or flags for review)

Step 6: Collaborative Filtering and Ranking
The AI compiles a list of similar ideas previously evaluated and shows how this idea compares in various aspects like innovation, sustainability, and market readiness.
The AI suggests where this idea might rank among other proposals in the VC's pipeline.

Step 7: Final Assessment and Feedback Generation
The analyst finalizes the evaluation and uses the AI to generate a comprehensive feedback report that can be shared with the idea's submitter.
The report includes strengths, areas for improvement, and potential next steps for the idea's development.