1. **Summary**
   Compared with existing data management approaches that seldom use human input, this paper proposed the first declarative language, which can specify what must be accomplished by human efforts and optimize and manage the evaluation transparently. This declarative language model was designed to operate over human computable predicates, databases and external algorithms. The trade-offs between uncertainty of answers, time and monetary cost and future research direction for data management with involvement of human efforts are discussed.

2. **Positive**
   a. This is a pioneering work, the first one designing declarative language that involves humans, algorithms and databases for query answering.
   b. The complexity of reality was well explored, especially the uncertainty of human answers, the correlations between problem answers by the same person and how to deal with it with probabilistic methods, etc.
   c. Good paper that leads you into possible research directions for this area. The case studies and examples that need to be processed elegantly in the future are ample and concrete, making it easy to understand. For example, schedule tasks at appropriate time based on the specific task, daylight time in Europe for the task of identifying the cities in Europe. Extensions like adverse attacks and the price assignment of different tasks are also discussed.

3. **Negative/Potential extensions and improvements**
   a. Their current model is still quite simple with lots of simplifications and assumptions. For example, all tasks are priced equally; when they define the language, they assume human processors and algorithms always answer questions precisely; they assume that humans do not maliciously provide incorrect answers, etc.
   b. It seems that it's not easy to support support this language fully on existing database technology.
   c. To deal with the complex situations when humans are involved in computing, problems such as uncertainty, latency and etc. need to be considered, which would make the design of query processor much more complex.

4. **Research Questions/Points for Discussion**
   a. how to rate the quality of human answers?
   b. how to adaptively set prices to the tasks effectively?