

1. How do you define collective intelligence within the context of your project?

*In my project, we can collect user prompts and interactions with the Italian chat bot. This data can be aggregated and analyzed to identify different conversation strategies while learning a foreign language.*

2. Which participatory design technique from this week can be best adapted to your project's needs?

*This collection of chat logs is a crowd sourcing technique that can lead to many interesting insights and aid in improved language translations.*

3. Can you give an example of how human-AI collective intelligence could be implemented in your project?

*We can help to improve the Italian chat bot by collecting feedback from users on different chat responses. This feedback can help us score and evaluate the accuracy of the chat bot.*

4. Identify the major challenges you might face using collective intelligence in your project. How do you plan to address them?

*Storing user chat logs for a prolonged period of time comes with many concerns of data privacy. We can invest heavily in proper security controls, staff, and culture to assuage these concerns. Similarly, we need to maintain user trust in the system through easily explainable details of the system.*

5. Explain how collective intelligence could enhance decision-making in your project.

*We can determine particular conversations and interactions that don't work very well with the large-language model. We can then choose to rework them or cut them from the application.*

6. What specific metrics will you use to evaluate the success of collective intelligence applications in your project?

*If we can improve feedback scores over time, using the crowd-sourced data from the application, we can use that metric to evaluate successful improvements.*

7. Discuss the role of diversity in strengthening collective intelligence outcomes for your project.

*If we can target language learners from a wide swath of backgrounds and cultures, we will be able to improve the global reach of the application. There are many styles of conversation and interactions in different cultures. We need to accommodate for those*

*differences.*

8. Reflect on how the concept of collective intelligence has shaped the development of your project idea so far.

*So far, it has only been considered as a form of quality assurance to improve the existing application.*

9. Evaluate how effectively participatory design has been integrated into your project up to this point.

*At this early stage in the project, there has been very little implementation of the planned crowd sourced intelligence gathering. Apart from planning and selection of tools, there has been very little effort put into this crowd-sourcing strategy so far.*

10. Looking ahead, what steps will you take to further integrate or enhance collective intelligence techniques in your project?

*Alongside the collection of the chat logs, I hope to implement a way to record user mouse movements and keyboard actions. With this data I can look for any problems with the user interface or investigate more thoroughly a user reported issue.*