

## Expert Agents



Aspect-Based Thought Grouping



Category Assignment with Retrieval Tool



Opinion Extraction with Informal Styles



Sentiment Polarity & Intensity Analysis

## Dance: Divide-and-Conquer Teamwork

Document-level  
User Review



Divider



**Decompose** documents into aspect-based thought groups, with each group specifically targeting a single aspect.

Conquer



Category  
Retrieval



**Extract Opinions**  
terms keep informal styles  
(coooo!!!!!!)



**Assign Category**  
from option list



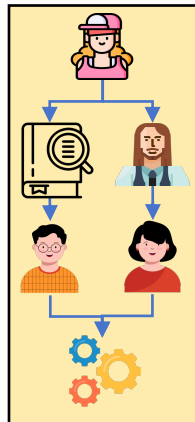
**Sentiment Polarity & Intensity Score**  
(Positive, +5)

Merge

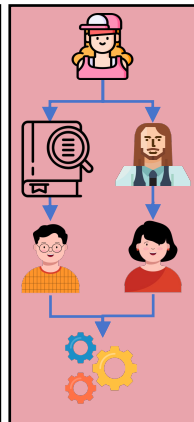


ACOSIS Tuple list:  
[(steak, food, coooo!!!!!!,  
Positive, +5), ...]

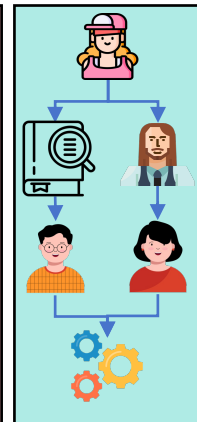
## MA: Team Manager Agent for Annotation



Team1



Team2



Team3



Integrates outputs from different Dance teams based on task guidelines, ensuring alignment and consistency.

### Tool



**Retrieval**  
predefined  
category list  
by domain



**Merge & Structure**  
output