InMind Movie Agent: Timing Results and Suggested Improvements

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Overall Timeline (no query)



Overall Timeline (with query)













Time Between Phone_ASROutput, Phone_MUS_SentMessage













Time Between NLUDM_DM, NLUDM_Query































Conclusion

- Analysis of TurnExchanges shows 2 significant delays
 - 1. Google endpointing
 - Solution: send first result and ignore subsequent results
 - 2. Query to movie database
 - Solution: output response incrementally
 - Necessary changes:
 - DM handle 2 queries (underspecified variable, actual value)
 - NLG split response into 2 patterns; get variable
 - TTS enqueue recommendation sentence to avoid interruptions
- Secondary analysis to be conducted after changes are made