#### MICHIGAN STATE UNIVERSITY

# Beta Presentation Self-Improving Assistant

The Capstone Experience
Team Vectorform

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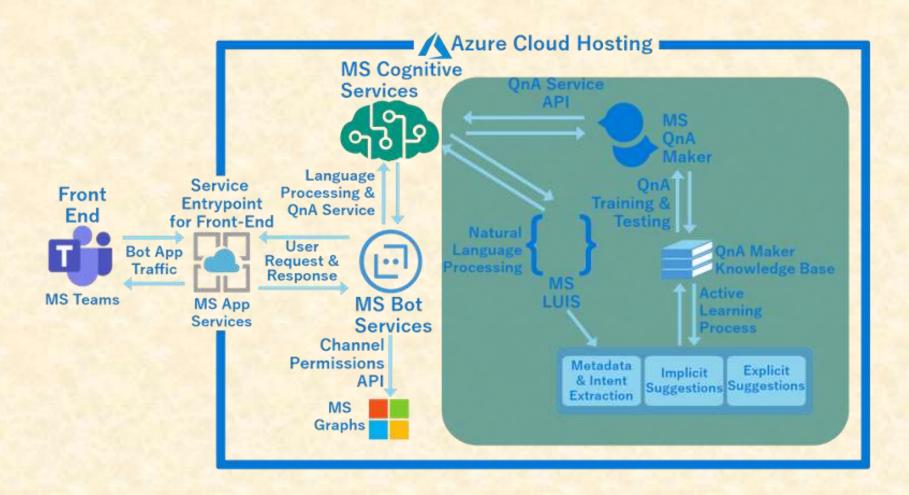


Department of Computer Science and Engineering
Michigan State University
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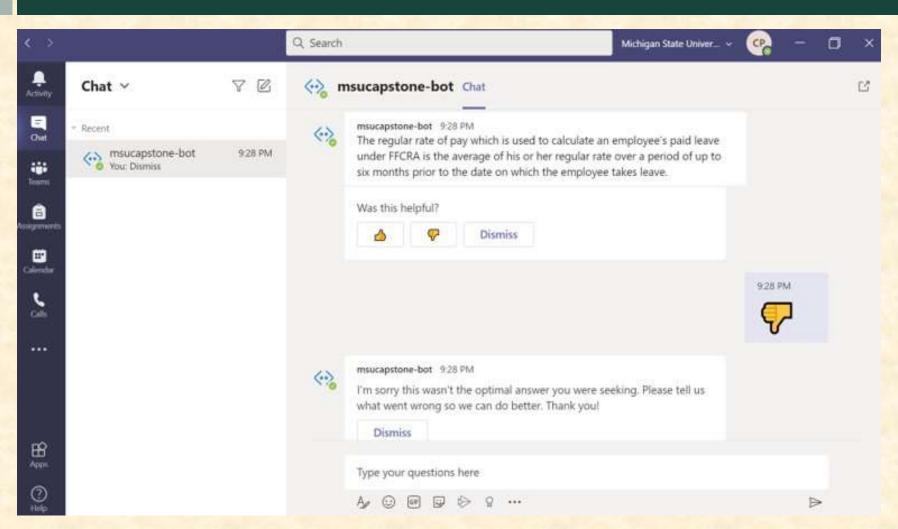
### **Project Overview**

- Chatbot available in Microsoft Teams
- Initialized and tuned inside of Teams
- Generates responses from documents
  - Question and Answer documents
  - Product Manuals
- Various methods of self-improvement
  - Active Learning
  - User Feedback after questions

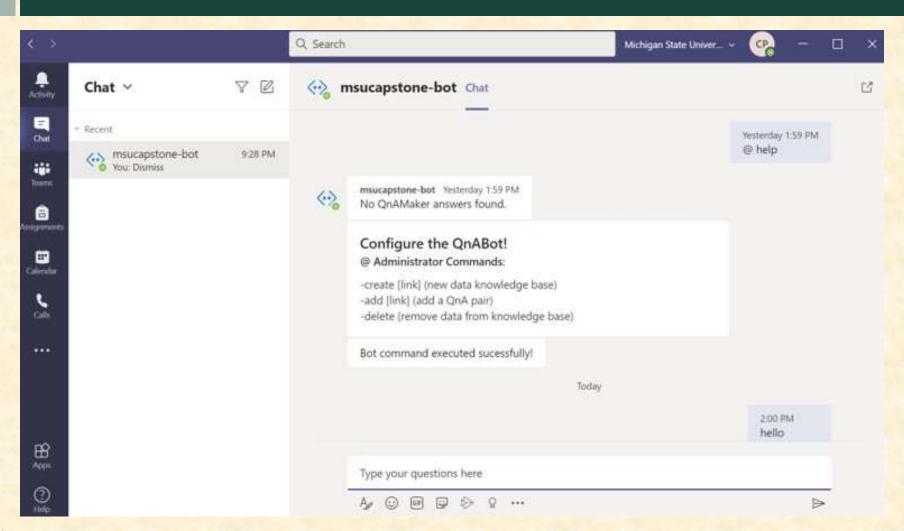
# System Architecture



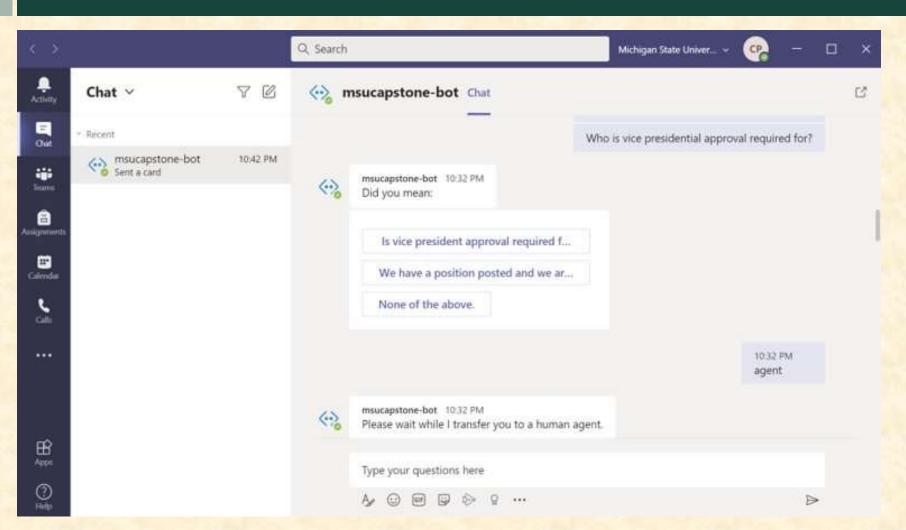
### User Feedback Functionality



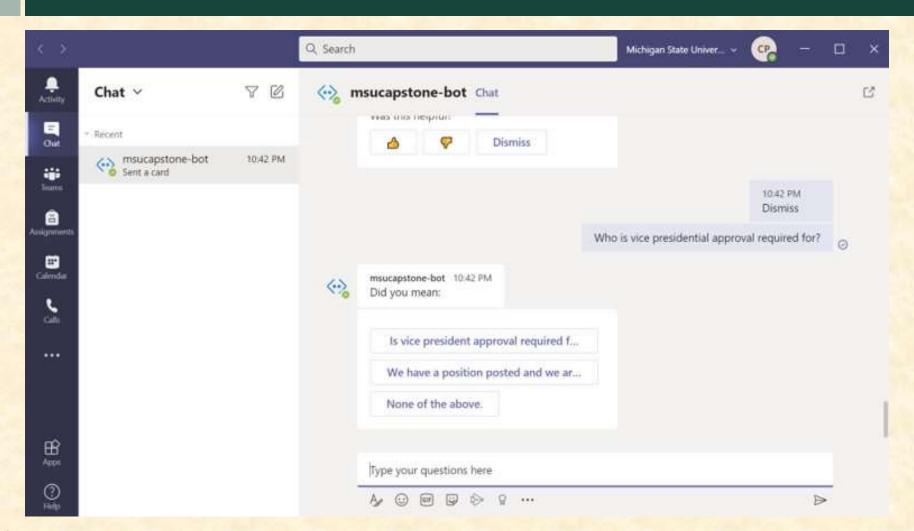
#### **Administrator Commands**



### **Human Agent Service**



### **Active Learning**



#### What's left to do?

- Implement Text to Speech capability.
- Add more admin functionality to edit Knowledge base through the Bot.
  - Edit existing questions, add new from scratch, etc.
- Use Azure Storage to regularly backup data.

# Questions?

