MICHIGAN STATE UNIVERSITY

Alpha Presentation Digital Assistant and Personal Financial Coach

The Capstone Experience Team MSUFCU

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Project Overview

- Chatbot interface that can answer basic questions about a member's account
- Gives advice to members and can set goals for them
- Analyzes trends in member's spending habits
- Compares member's spending to other members in similar demographic

System Architecture





Amazon Alexa

Alexa, transfer \$500 from my checking account. to another checking account.

6000.

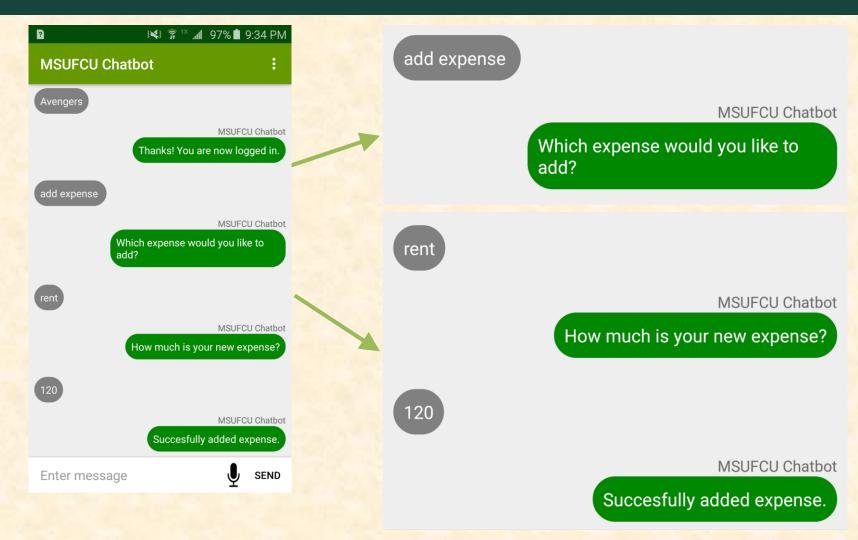


Welcome, Kathryn. How may I help you?

Please enter the account number of the account you would like to transfer to.

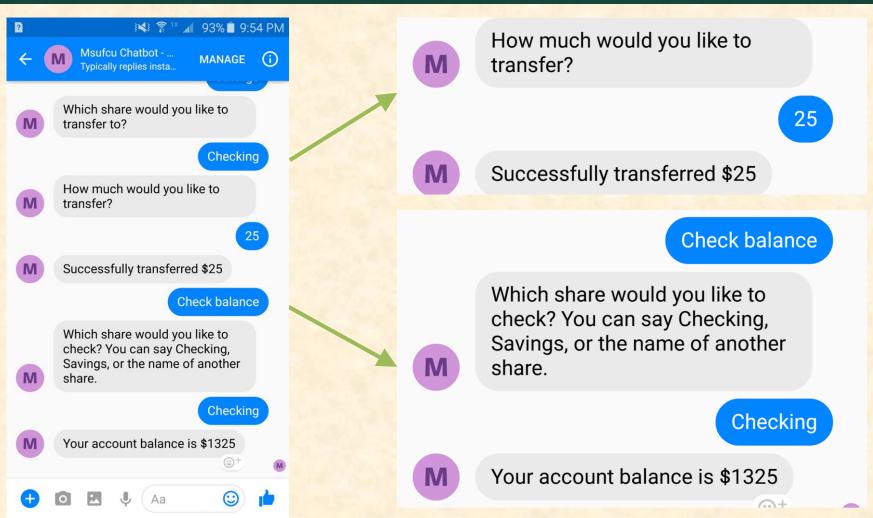
Please confirm transferring \$500 from your checking account.

Android App Screenshot

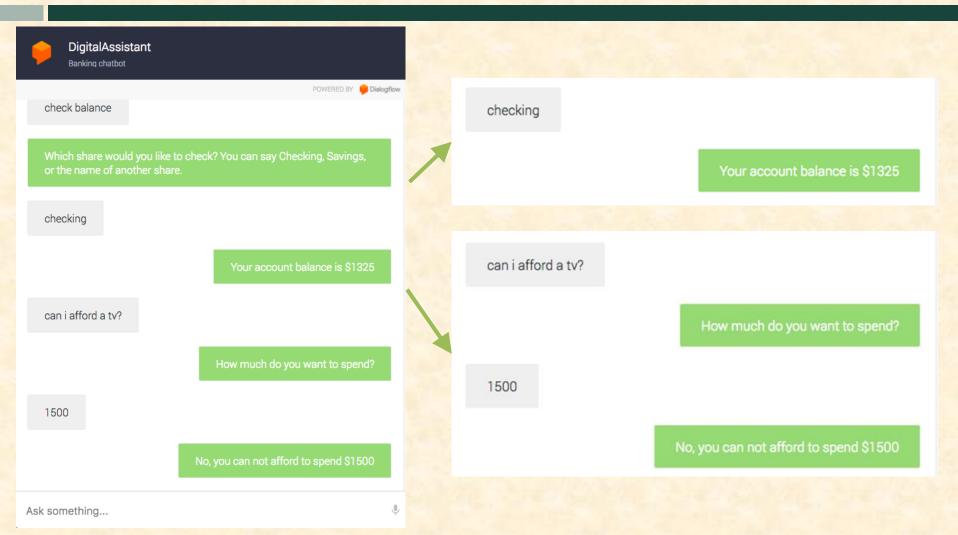




Facebook Messenger



Website Chatbot





What's left to do?

- Financial planning services
 - Offer savings plans, financial advice, etc. to users
 - Will be added to "Afford" intent and in new intents
- Add more advanced intents
 - Basic interactions done, working on debugging them
 - Need intents that deal with more complex interactions/financial planning
- Expand machine learning
 - Develop algorithms to analyze expenses/incomes
 - Processing is done, but no conclusions drawn

Questions?

