

**MICHIGAN STATE**  

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**UNIVERSITY**

# Project Plan Presentation

## Predictive Chatbot

The Capstone Experience

Team MSUFCU

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*From Students...  
...to Professionals*

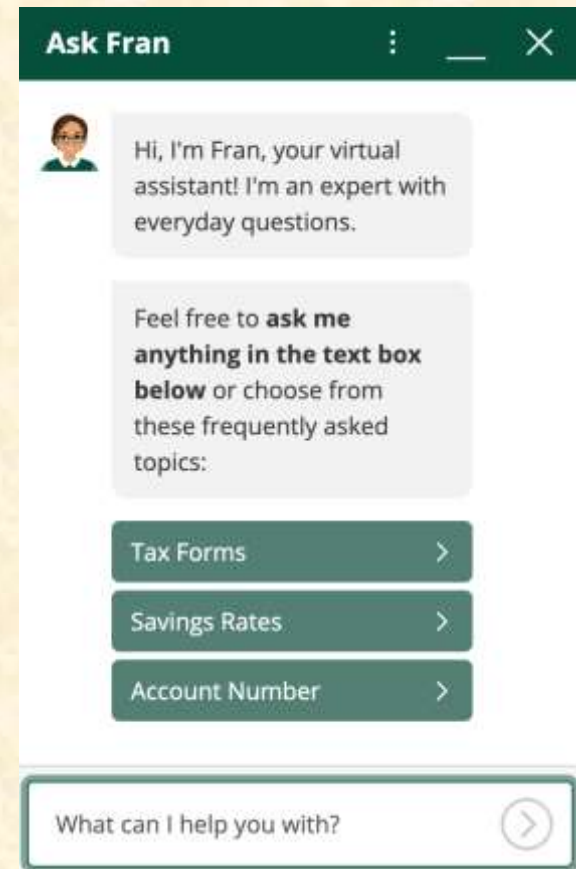
# Project Sponsor Overview

- Headquartered in East Lansing, MI
- Largest University Credit Union
- *Mission : To provide superior service while assisting members and employees to achieve financial security, their goals, and ultimately, their dreams.*



# Project Functional Specifications

- Seeking to improve their digital channels
- Fran, chatbot that answers FAQs and provides suggestions to their members
- Fran now will initiate the member first



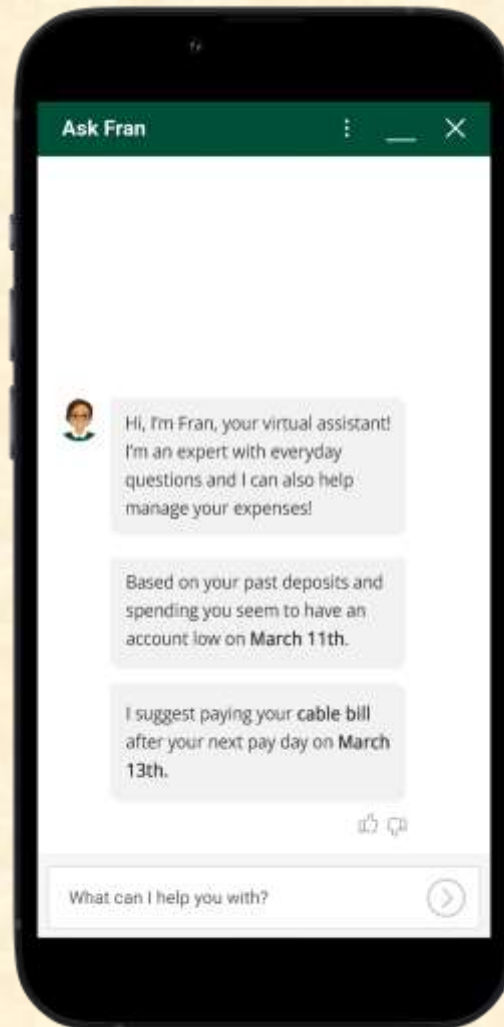
# Project Design Specifications

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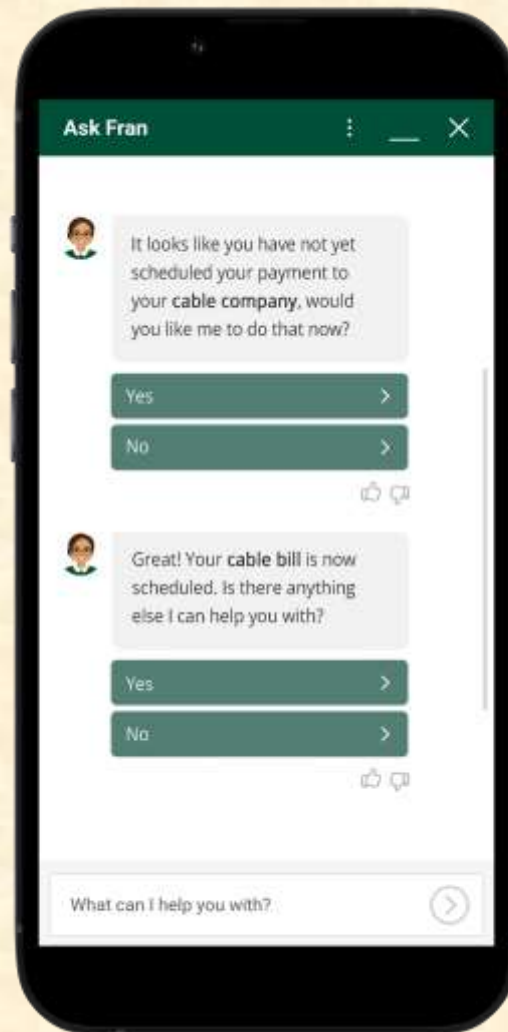
- Analyze spending
- Schedule payment date
- Unusual spending
- Display spending
- Compatible with both computer screens and mobile devices



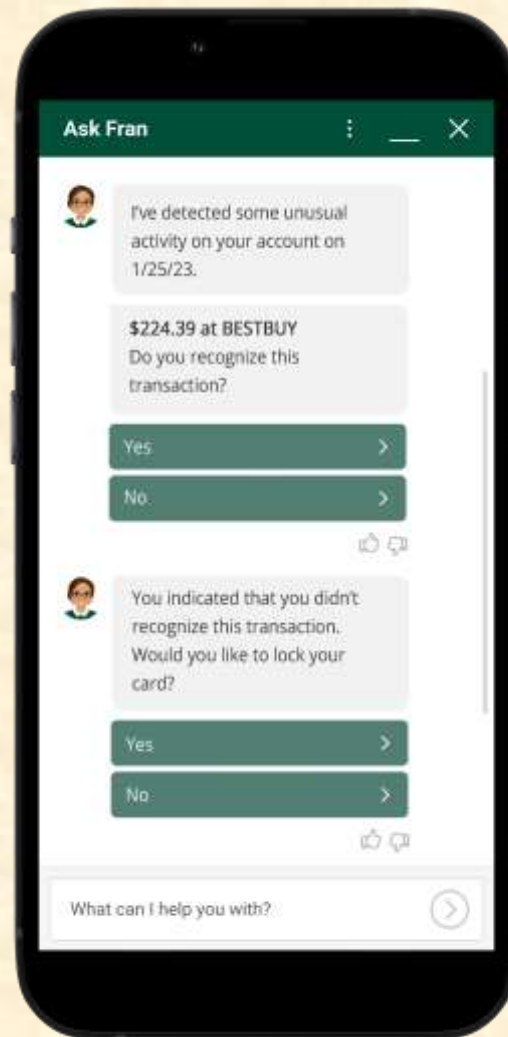
# Screen Mockup: Analyze Spending



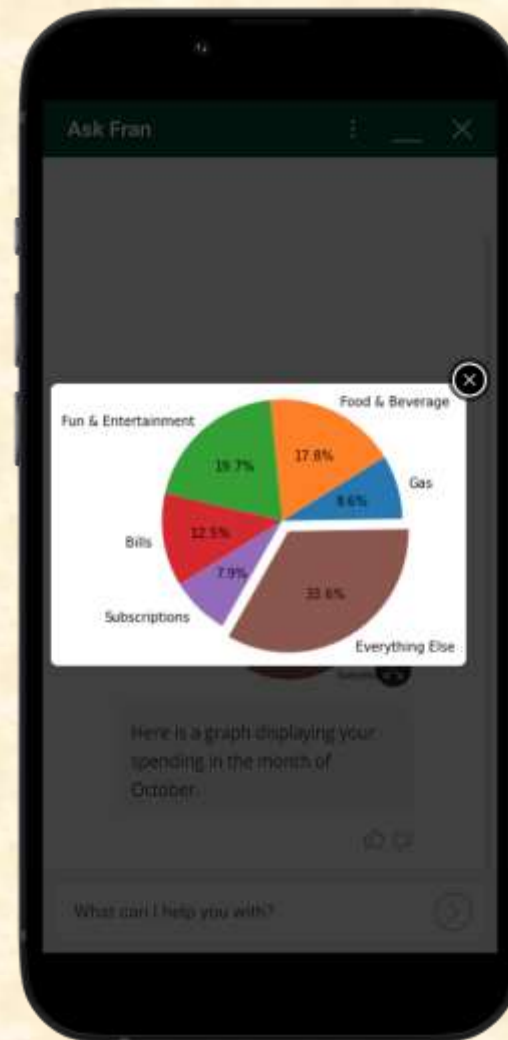
# Screen Mockup: Schedule Payments



# Screen Mockup: Unusual Activity

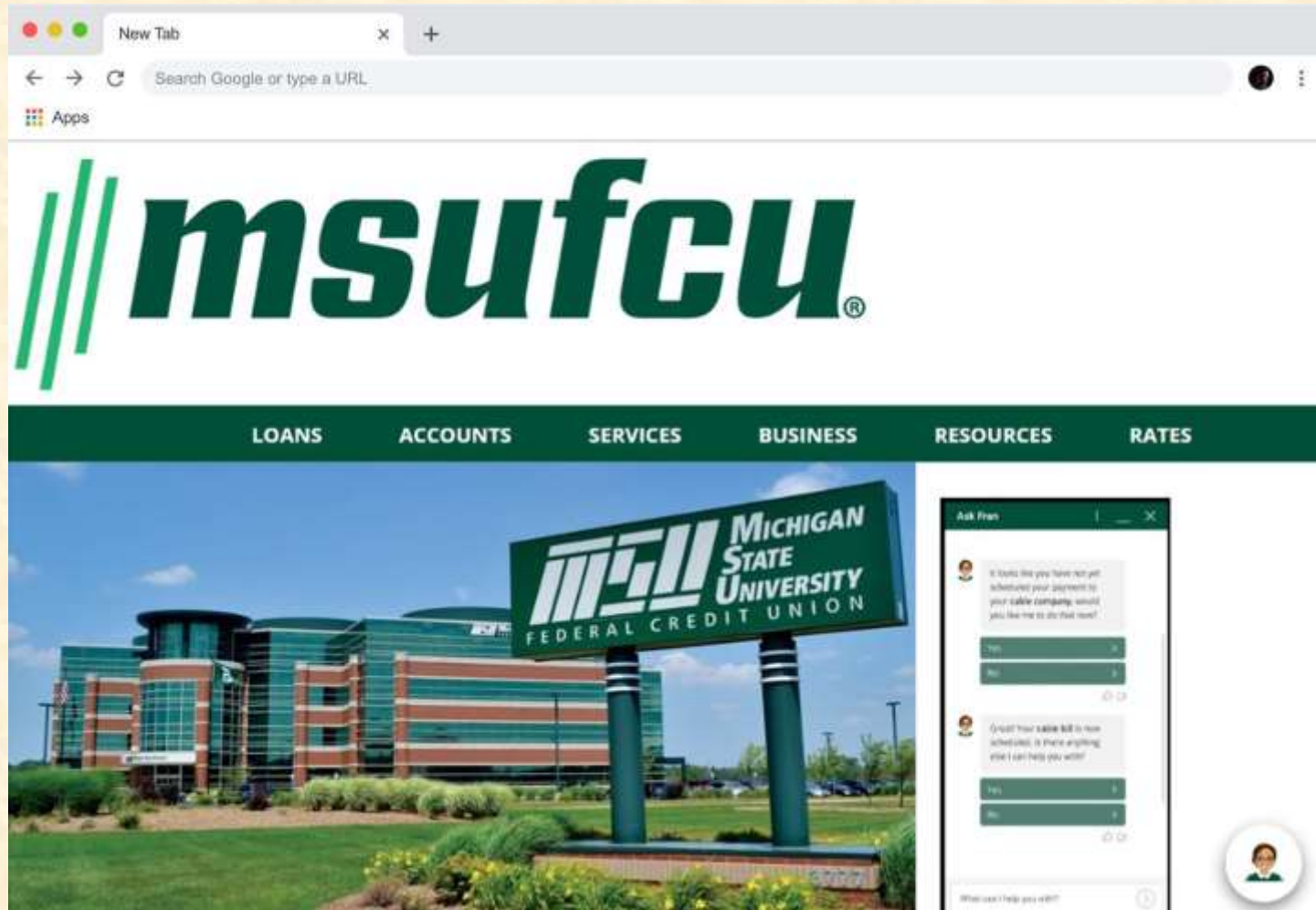


# Screen Mockup: Display Spending





# Screen Mockup: Web Interface



# Project Technical Specifications

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- The User Interface
- Database
- Machine Learning
- Boost.AI
- Sandbox
- API

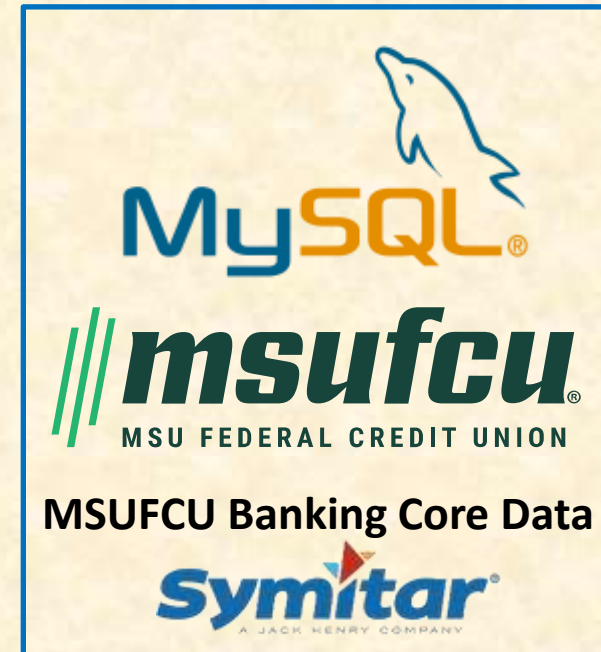
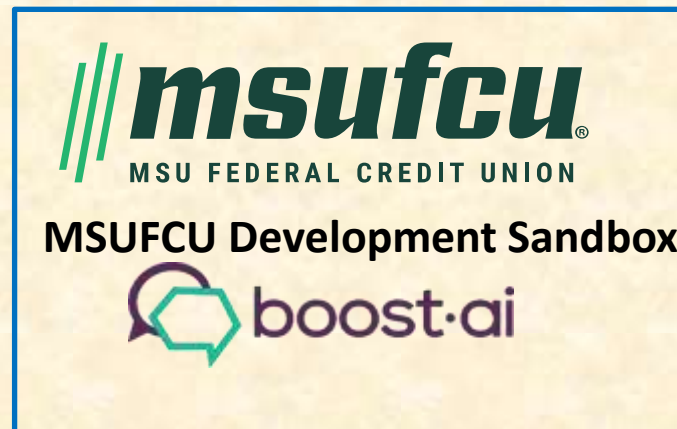
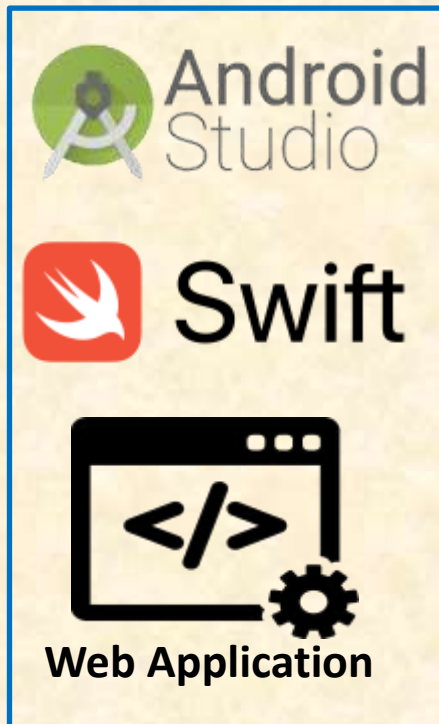


# Project System Architecture

Front-End

Middleware

Back-End



# Project System Components

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- Software Platforms / Technologies
  - Jupyter/PyCharm
  - Android studio
  - Swift/iOS
  - Visual Studio



# Project Risks

- Risk 1
  - Can't access the real data
  - Using fake data for the project
- Risk 2
  - Backend connections are outside of our scope
  - Work on it to make sure everything is functional with hopes MSUFCU can implement it later
- Risk 3
  - Produce useful features/patterns for Fran to detect
  - Brainstorming, Research
- Risk 4
  - Annoying the member: healthy balance between what we send to member
  - Write better algorithms



# Questions?

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