

MICHIGAN STATE
UNIVERSITY

Project Plan

Member Digital Help Center

The Capstone Experience

Team MSUFCU

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

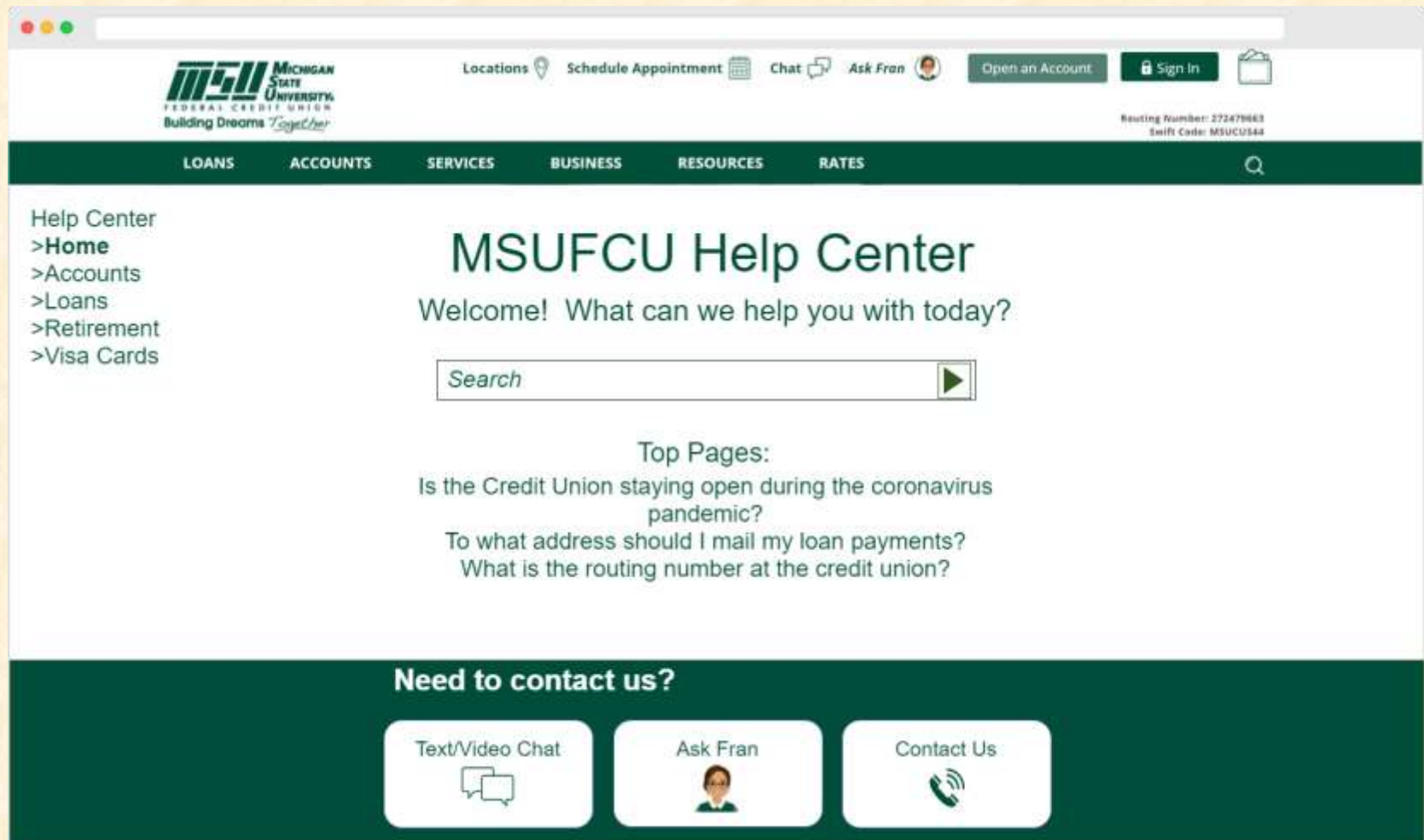
Functional Specifications

- Create a "one stop shop" for FAQs, educational resources, and personalized support
- Go beyond simply providing answers to questions by linking together related resources and providing action items
- Improve the search functionality to be more accurate and tolerant of errors
- If time, implement the same functionality for iOS and Android

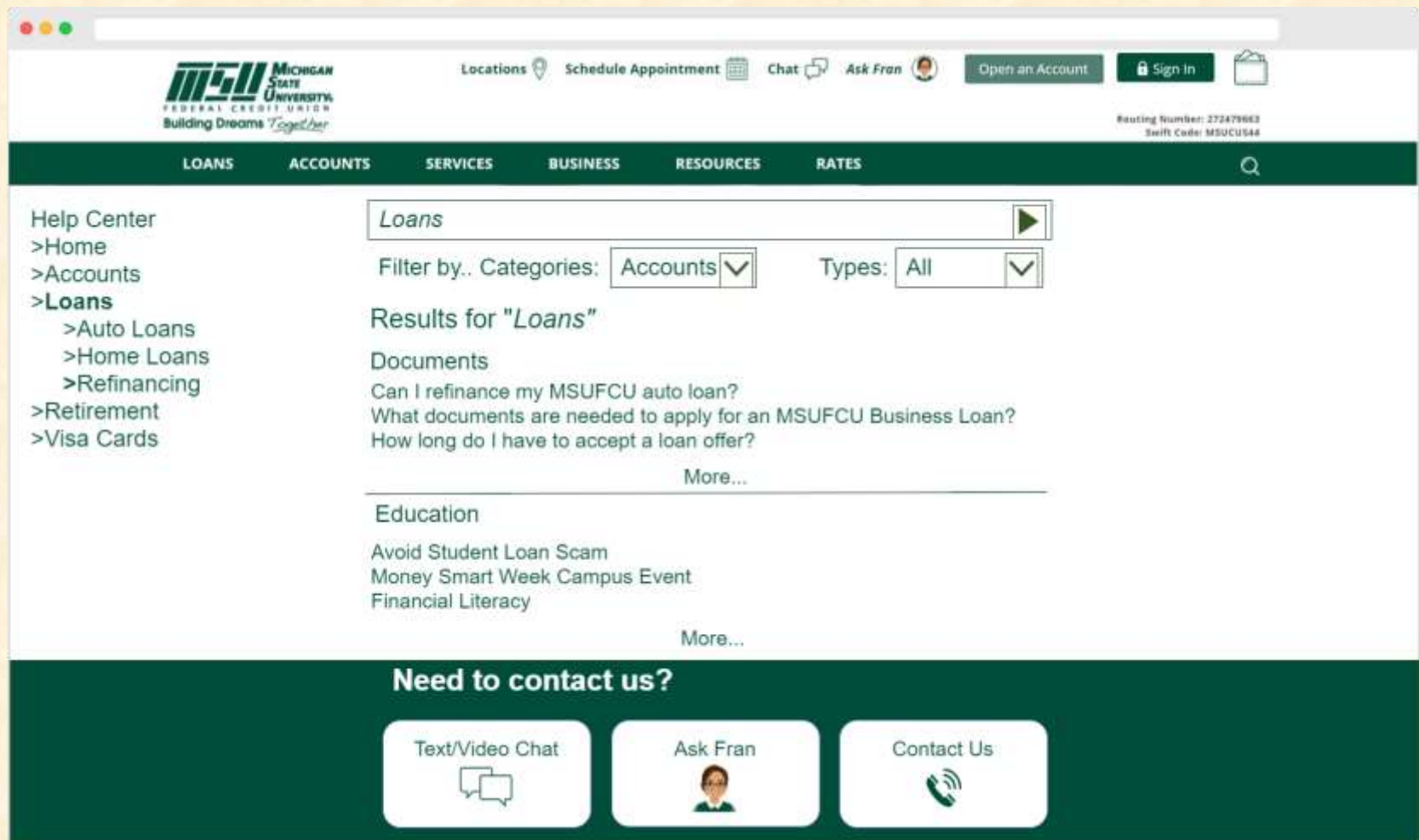
Design Specifications

- Integrated main page, search page, FAQs page and support page to create a "one stop shop" design.
- Search bar supported with a drop-bar for categories and result types; smart search functionality. FAQs provided for user convenience.
- Wikipedia-like structure for articles to navigate through similar topics, and buttons for fast navigation.
- Android, iOS will have similar, but vertical layout.

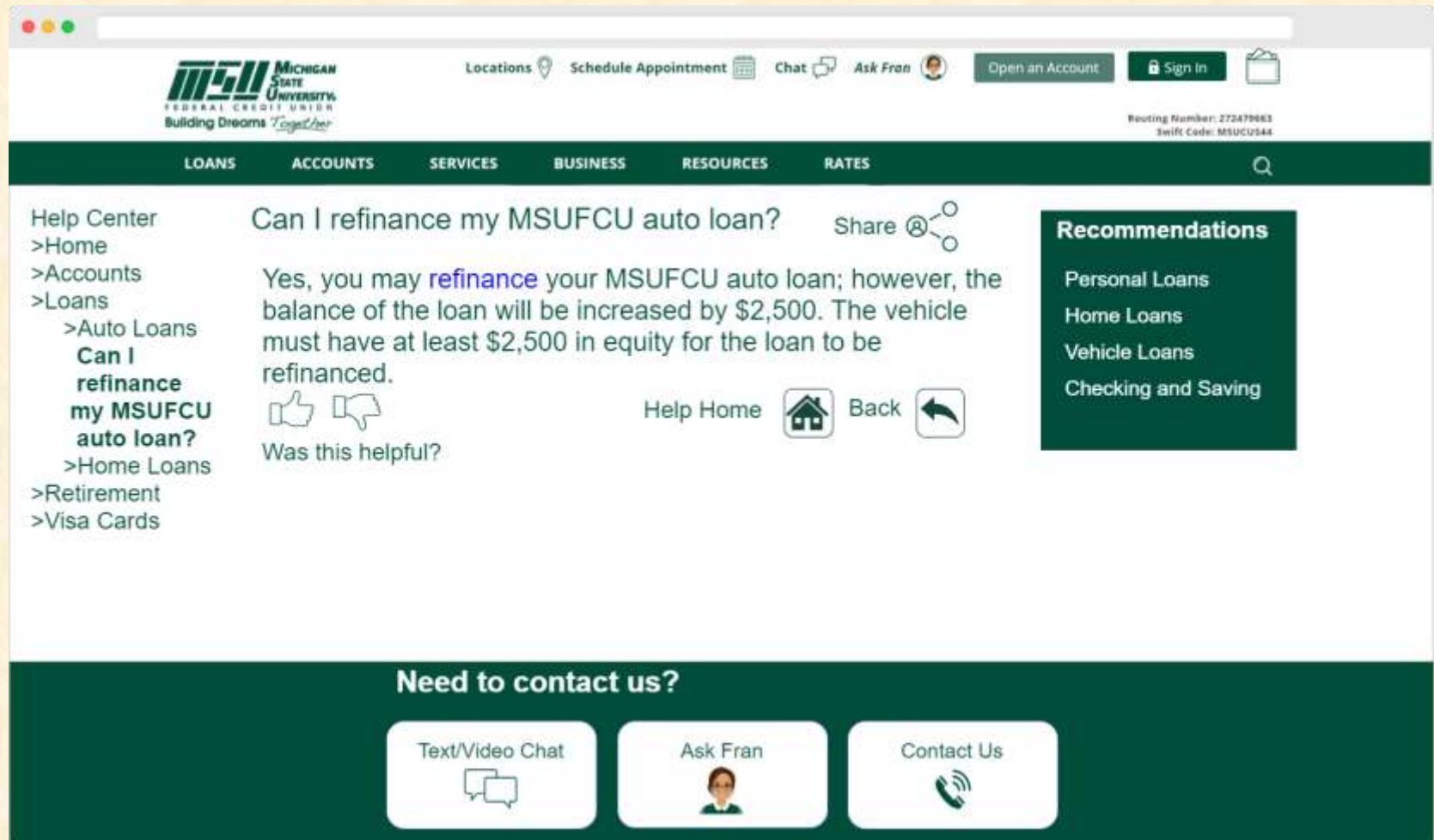
Screen Mockup: Help Center Home Page



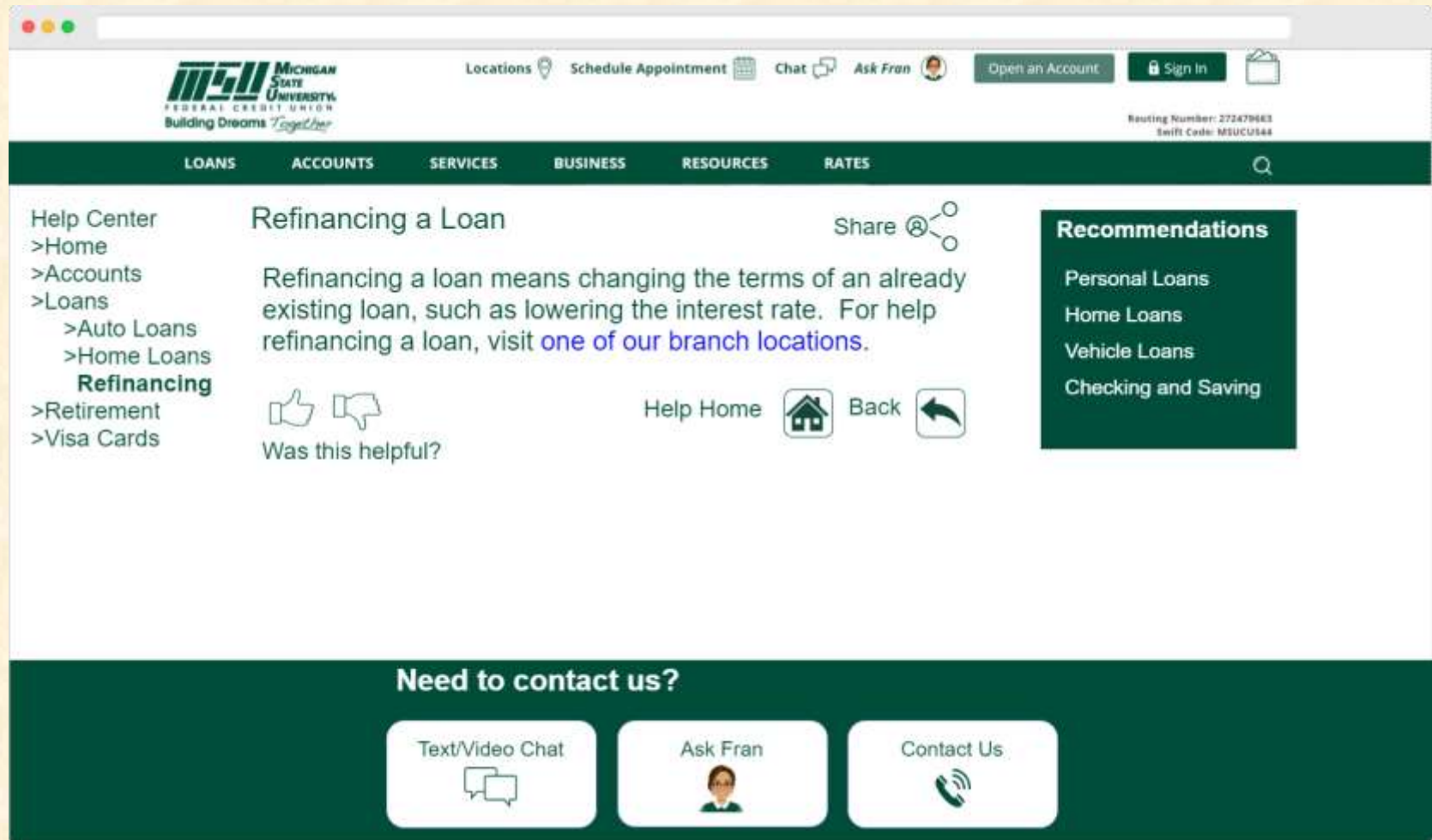
Screen Mockup: Search Results Page



Screen Mockup: FAQ Answer Page



Screen Mockup: Educational Page



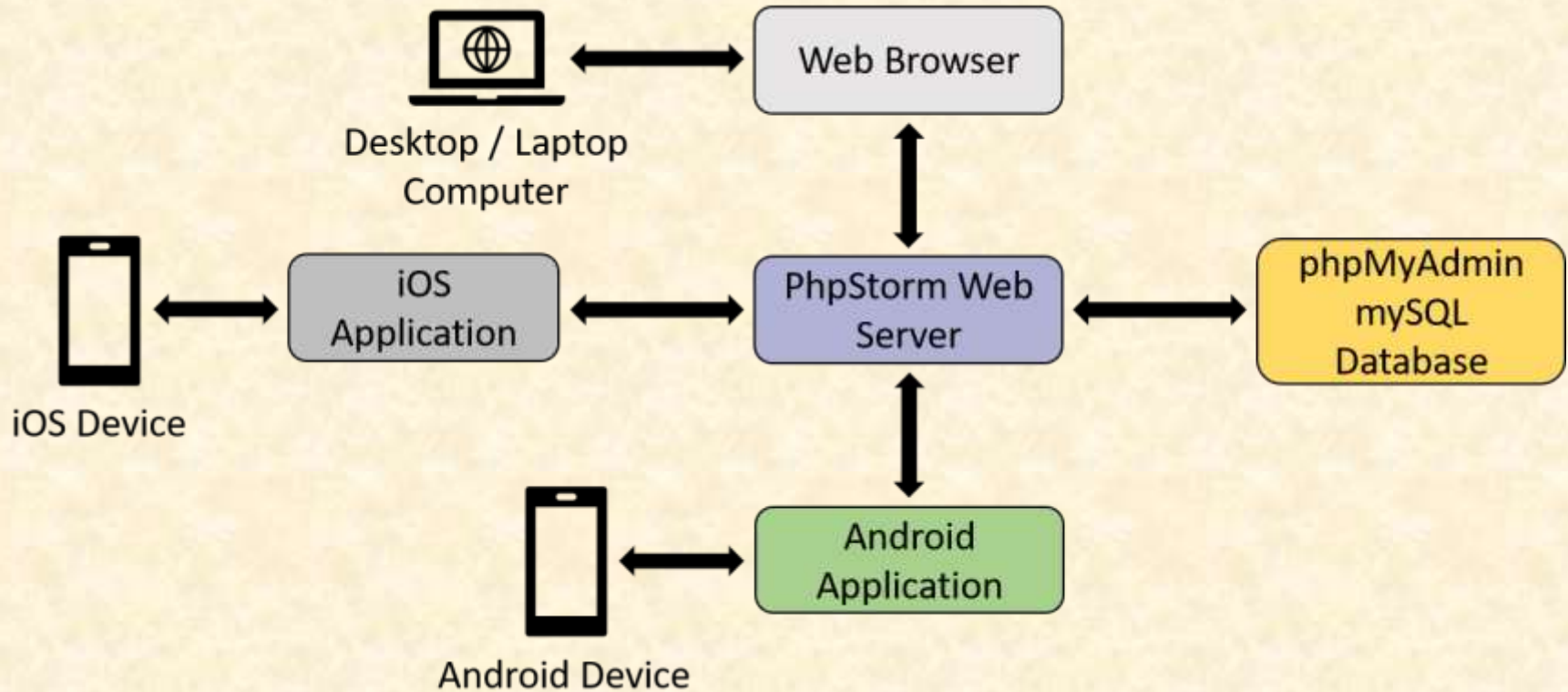
Screen Mockup: Mobile Applications



Technical Specifications

- phpMyAdmin
 - SQL
- PhpStorm
 - PHP
 - HTML
 - CSS
 - JavaScript
- Android Application
 - Java
 - Kotlin
- iOS Application
 - Objective-C
 - Swift

System Architecture



System Components

- Hardware Platforms
 - Computers (laptop, desktop and virtual device)
 - Mobile devices (Android and iOS Devices)
- Software Platforms / Technologies
 - PhpStorm
 - Android Application
 - iOS Application
 - phpMyAdmin

Risks

- Redoing search function to be more efficient
 - Current search function not working as intended such as typos returning no results (no flexibility)
 - Implement "smarter" search functionality making it more dynamic and adopt similar features from other successful search engines
- Unexpected complexity when integrating existing features
 - Couple of tricky features that are difficult and tricky to integrate (chatbot, videos, tools, etc.)
 - In case the group gets overwhelmed or comes across major issues, development of the site will progress in small steps and pieces (categorizing).
- Ensuring compliance with brand standards
 - Webpage/Help Center must look part of the official MSUFCU website.
 - MSUFCU is giving a document with their brand standards (such as company colors and basic templates). UX designer brought in to give feedback and to answer design questions

Questions?

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