



# Alpha Presentation Degree Navigator

The Capstone Experience

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

Department of Computer Science and Engineering  
Michigan State University  
Spring 2020



# Project Overview

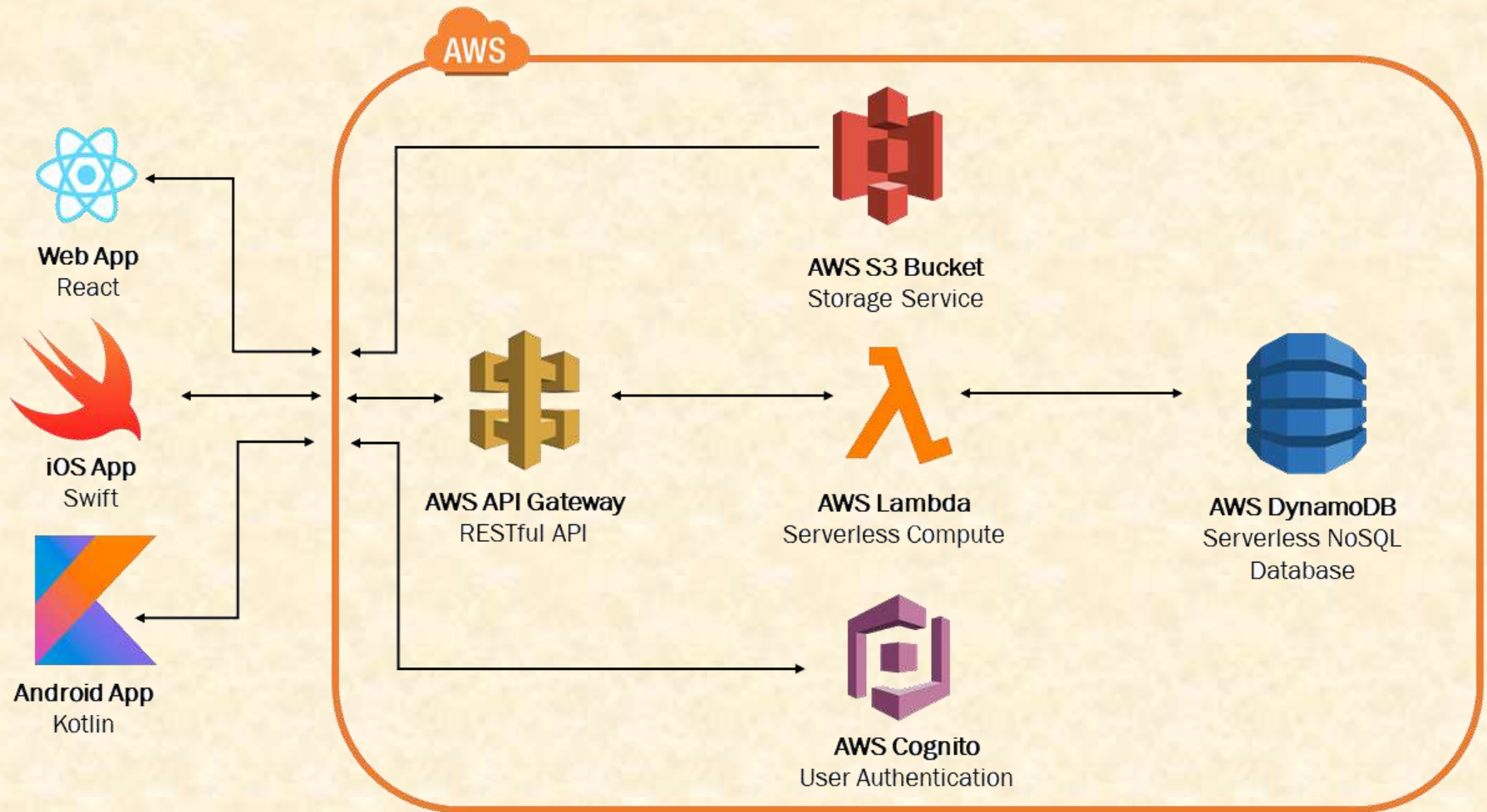
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- Current process for checking degree requirements is outdated and not intuitive
- Update the process with a modern UI
  - Check degree requirements
  - Plan schedules
  - Search for courses
  - Access helpful information
- Available on web, iOS, and Android



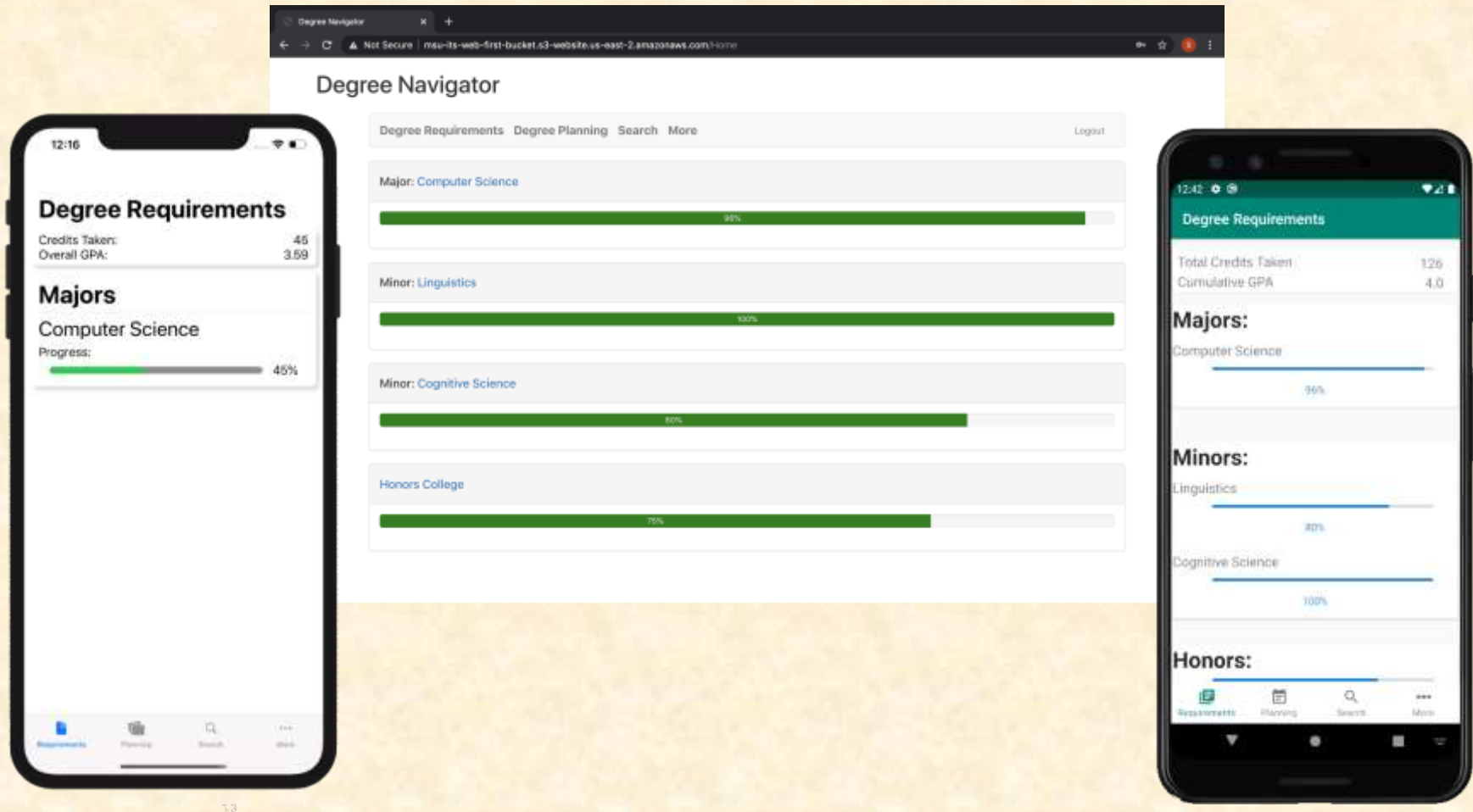


# System Architecture



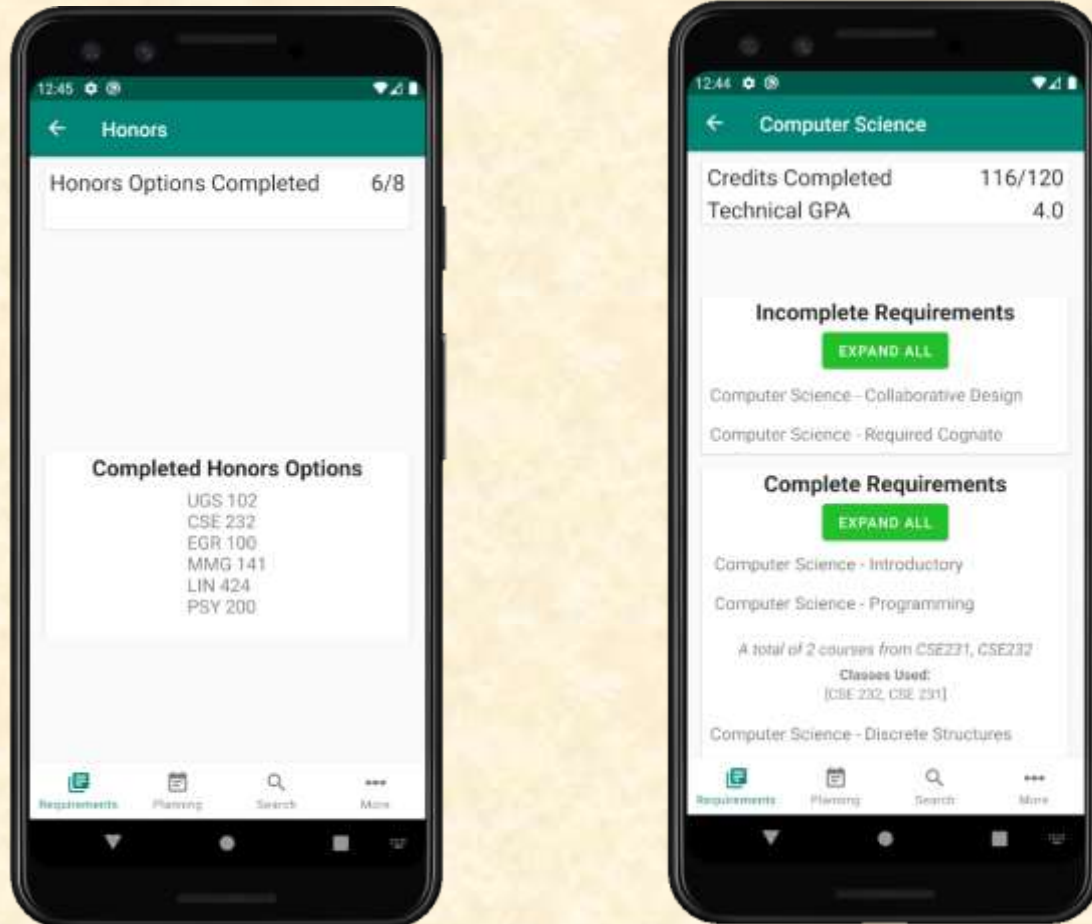


# Degree Requirements



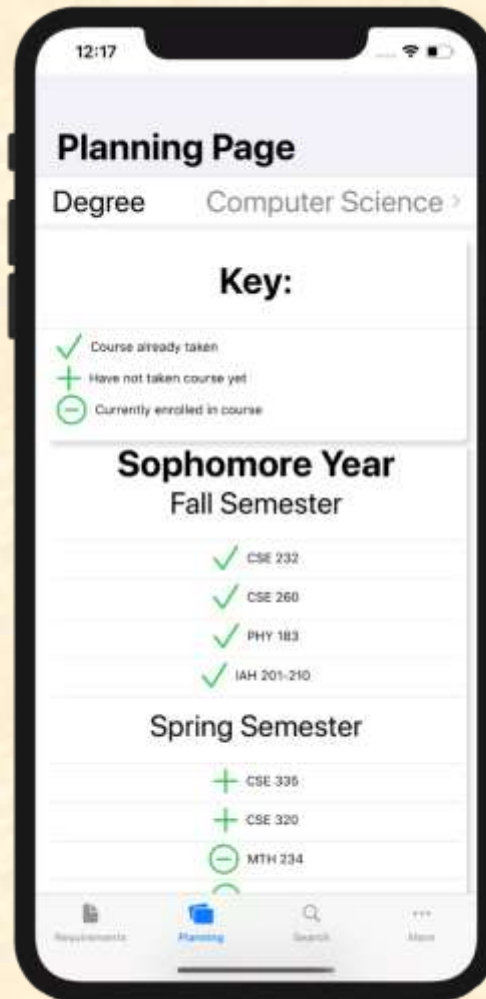


# Android – Degree Information



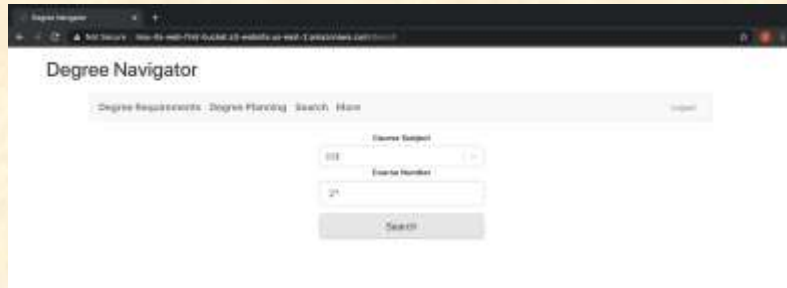


# iOS – Planning





# Web – Search & Course Information



Degree Navigator

Degree Requirements Degree Planning Search Home

Course Subject  
CIS

Course Number  
21

Search



Degree Navigator

Degree Requirements Degree Planning Search Home

Course Subject  
CIS

Course Number  
21

Search



Search Results
CIS 201 Fundamentals of Information Technology
CIS 202 Programming I
CIS 203 Introduction to Programming I
CIS 204 Introduction to Programming II
CIS 205 Database Systems in Computer Science
CIS 206 Introduction to Data in Computer Science
CIS 207 Systems Issues in Computer Science



Degree Navigator

Degree Requirements Degree Planning Search Home

CIS 202

Description

Continuation of basic computer design and implementation in C++ building programs from input/output, data structure and algorithms. This course is designed to provide students with a solid foundation in computer science. It covers the fundamentals of computer science, including data structures, algorithms, and programming. The course is designed to provide students with a solid foundation in computer science, including data structures, algorithms, and programming.

Prerequisites

CIS 201 or CIS 203 or CIS 204 or CIS 205 or CIS 206 or CIS 207

Credits

3





# What's left to do?

- Finalize and test Degree Requirements algorithm & Planning algorithm
- Implement Profile & Notes Pages
- Logout functionality
- Continue gathering user feedback to improve UI
- Test application on various platforms to ensure performance





# Questions?

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