

MICHIGAN STATE

UNIVERSITY

Alpha Presentation

Achieve It

The Capstone Experience

Team MSUFCU

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

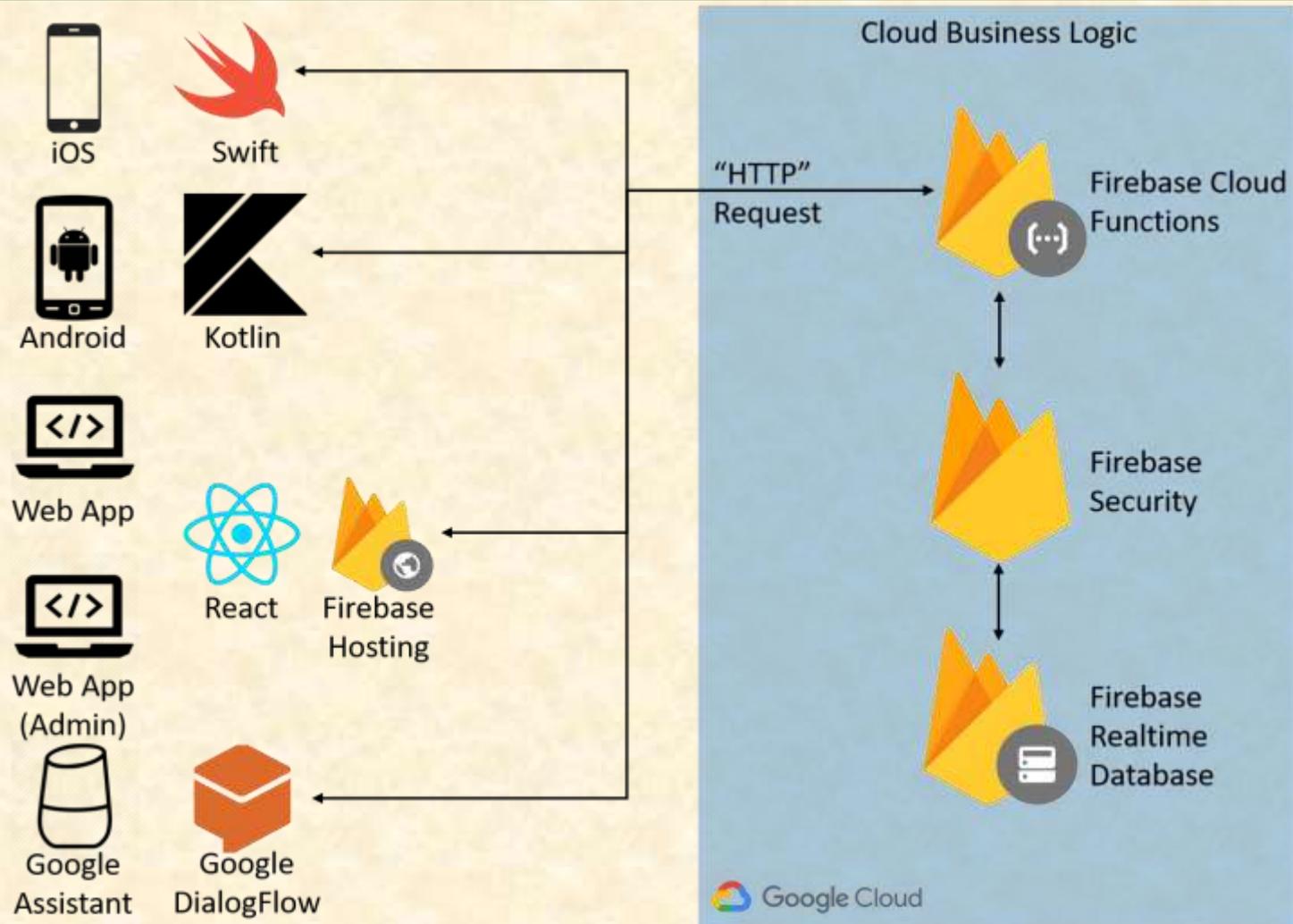
Department of Computer Science and Engineering
Michigan State University
Spring 2020

Project Overview

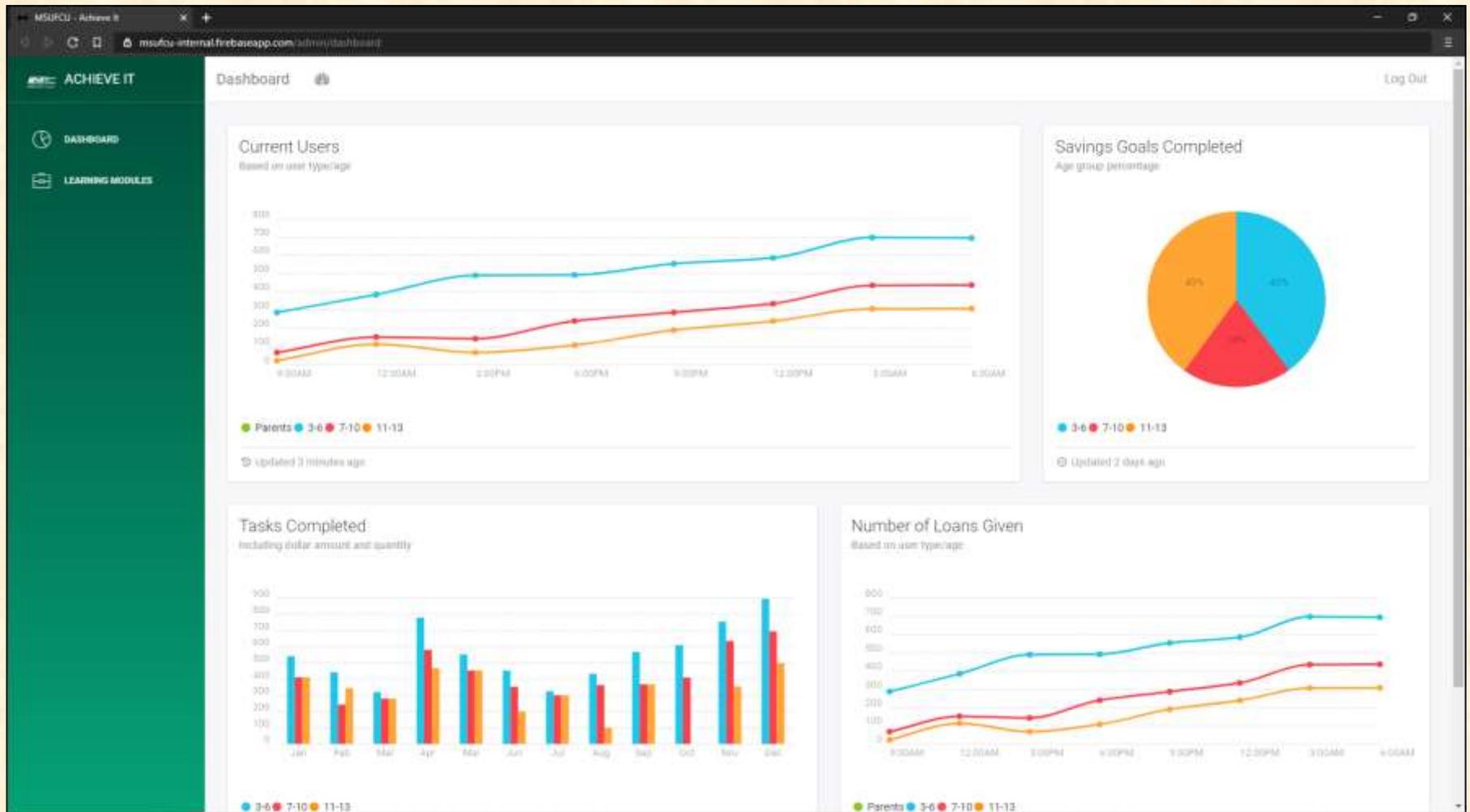
- Provide a safe, experience-driven financial education system for youth
- Four main functions
 - Savings Goals
 - Learning Modules
 - Tasks/Chores
 - Loans



System Architecture



Web Admin Statistics Dashboard



Web Admin Module Dashboard

MSUFCU - Achieve IT

msufcu-internal.firebaseio.com/admin/learning

ACHIEVE IT

DASHBOARD

LEARNING MODULES

Learning Modules

Log Out

New Module View Stats

All Learning Modules:

Please see below for age-range breakdown

| ID | NAME | AGE RANGE | TOPIC | STATUS |
|---------|------------------------|-------------|----------------|--------------------|
| CON2003 | Coin identification | 3-6 | Money ID | Live |
| HOP456 | Coin Hoppers | 7-10 | Money Counting | In Progress |
| SAV-890 | Creating Savings Goals | 3-6 & 11-13 | Saving | Waiting for Review |

Dollar Dog
Ages 3-6

| ID | NAME |
|----|--------------|
| 1 | Coin Hoppers |

Cyber Saver
Ages 7-10

| ID | NAME |
|----|--------------|
| 1 | Coin Hoppers |

Money Club
Ages 11-13

| ID | NAME |
|----|--------------|
| 1 | Coin Hoppers |

Summary Tasks Settings

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Web Admin Create Module

The screenshot shows a web browser window with the URL `msufcu-internal.firebaseio.com/admin/add-module`. The page is titled "Add Module" and features a sidebar with "ACHIEVE IT", "DASHBOARD", and "LEARNING MODULES". The main content area is titled "Add New Learning Module" and contains the following form fields:

- NAME OF MODULE:** A text input field containing "Creating Savings Goals".
- UNIQUE ID:** A dropdown menu with "SAV-890" selected.
- TOPIC:** A dropdown menu with "Saving" selected.
- STATUS:** A text input field containing "Waiting for Review".
- COLLAR (3-4 YEARS):** A checkbox that is checked.
- OVER SAVER (7-10 YEARS):** An unchecked checkbox.
- MONEY CLUB (11-13 YEARS):** A checked checkbox.
- CONTENT:** A large text area containing the text: "Here are some ways to save money over time: Create a budget. The first place to start when trying to save money is to assess how much you really have and where the money is going ... Save Automatically ... Build an Emergency Fund ... Track Your Spending ...".
- Submit:** A green button located at the bottom right of the content area.

Below the form, there is a section titled "Question #1" with a "QUESTION" field containing the text: "If Billy makes 350 a week, and wanted to save up for a \$400 gaming system, how many weeks would it take for Billy to be able to buy the system if he saves 20% every week".

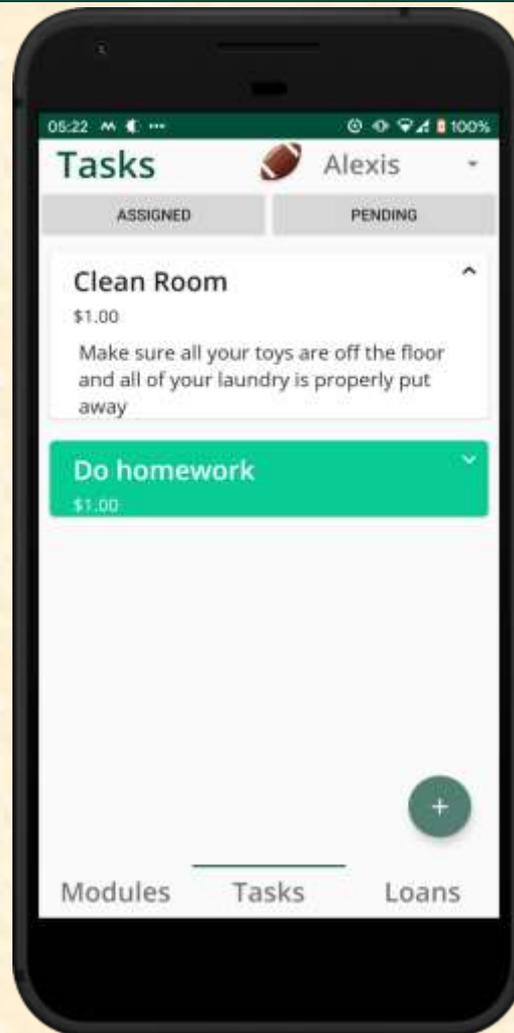


Web Admin Create Question

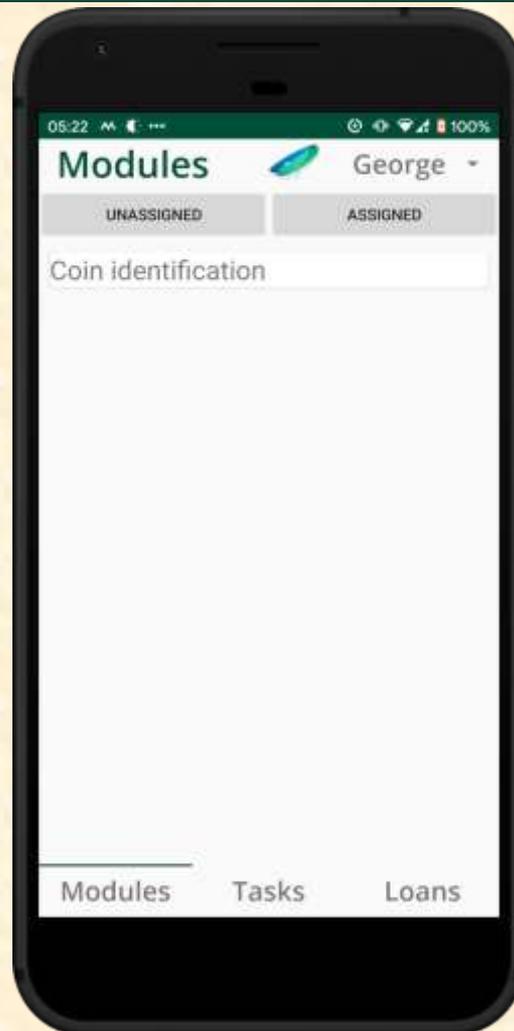
The screenshot shows a web browser window with the URL `msufcu-internal.firebaseio.com/admin/achieve-it-module`. The page has a dark green sidebar on the left with the following menu items: **ACHIEVE IT**, **DASHBOARD**, and **LEARNING MODULES**. The main content area is titled "Question #1" and contains a "QUESTION" field with the text: "If Billy makes 500 a week, and wanted to save up for a \$400 gaming system, how many weeks would it take for Billy to be able to buy the system if he saves 20% every week?". Below the question are four "OPTION" fields: "10 weeks", "20 weeks", "15 weeks", and "40 weeks". To the right of each option is a "CORRECT ANSWER" checkbox. The checkbox for "40 weeks" is checked. At the bottom right of the question area is a red "Delete Question" button. At the bottom left of the main area are two buttons: "New Question" (blue) and "Submit" (green). The footer of the page includes "Summary", "Tasks", "Settings", and a copyright notice: "© 2020 MSUFCU Achieve It".



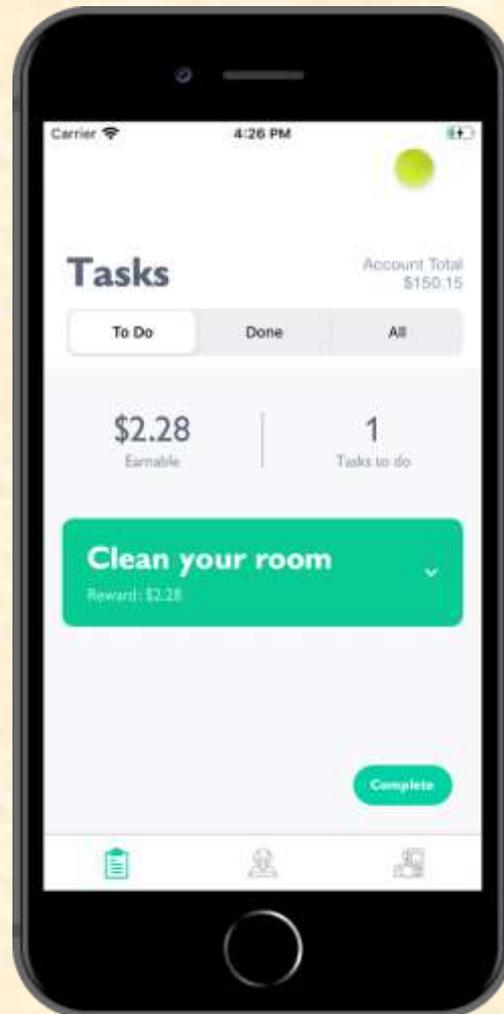
Android Parent View Tasks



Android Parent View Modules



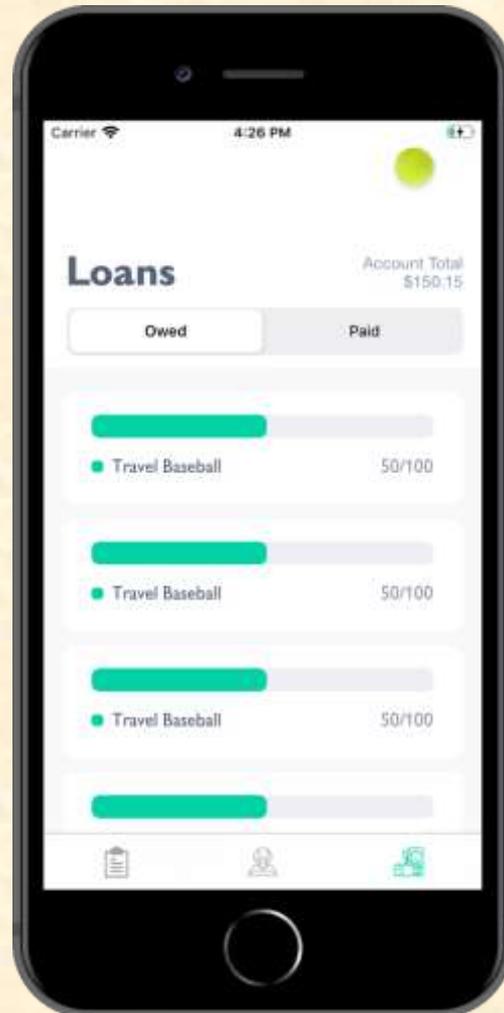
iOS Child View Tasks



iOS Child View Learning



iOS Child View Loans



What's left to do?

- Savings Goals
- Loans
- Google Assistant
- Complete cross-platform integration of current functionality



Questions?

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