

MICHIGAN STATE
UNIVERSITY

Alpha Presentation Achieve It

The Capstone Experience

Team MSUFCU

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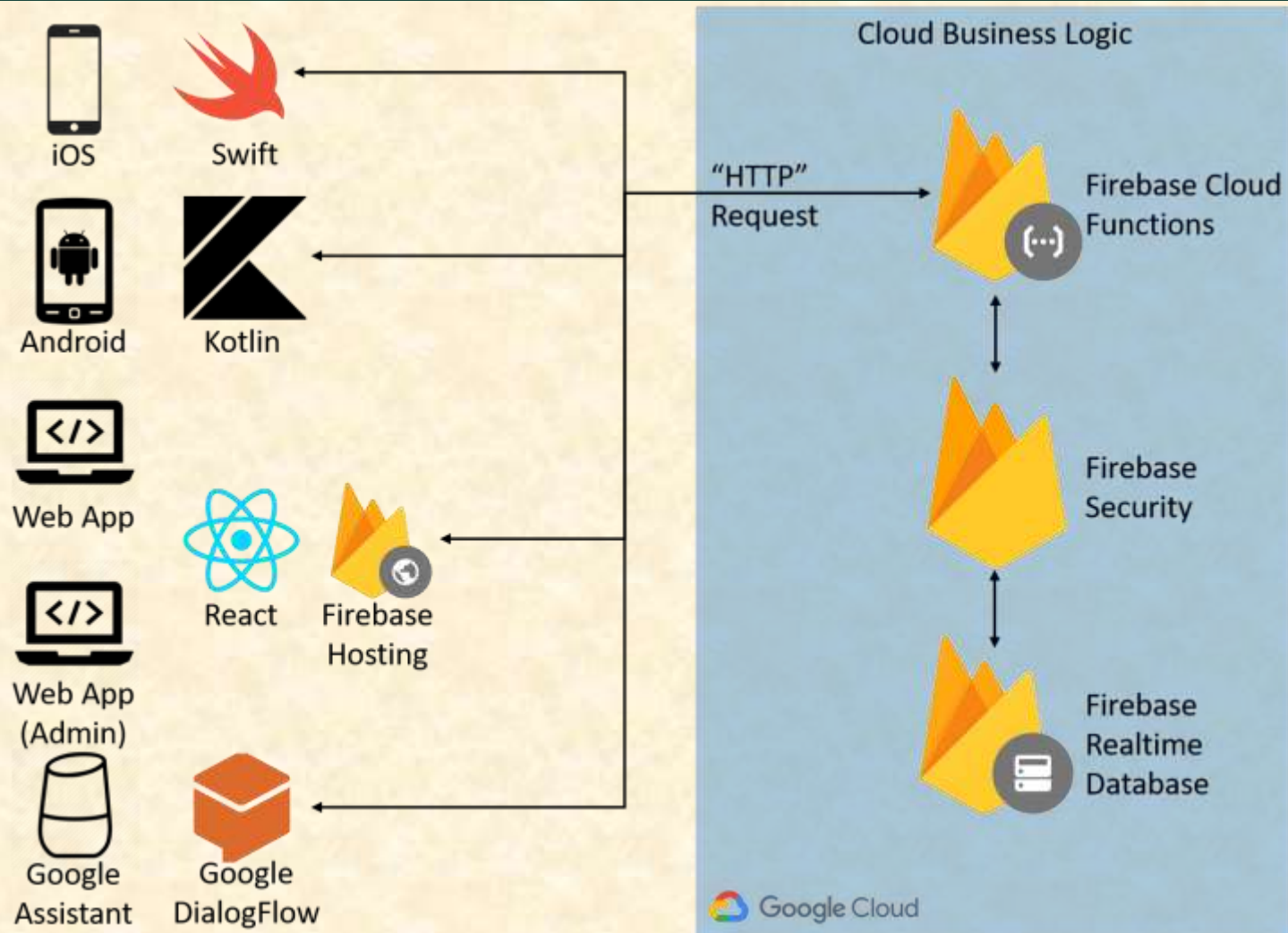
*From Students...
...to Professionals*

Department of Computer Science and Engineering
Michigan State University
Spring 2020

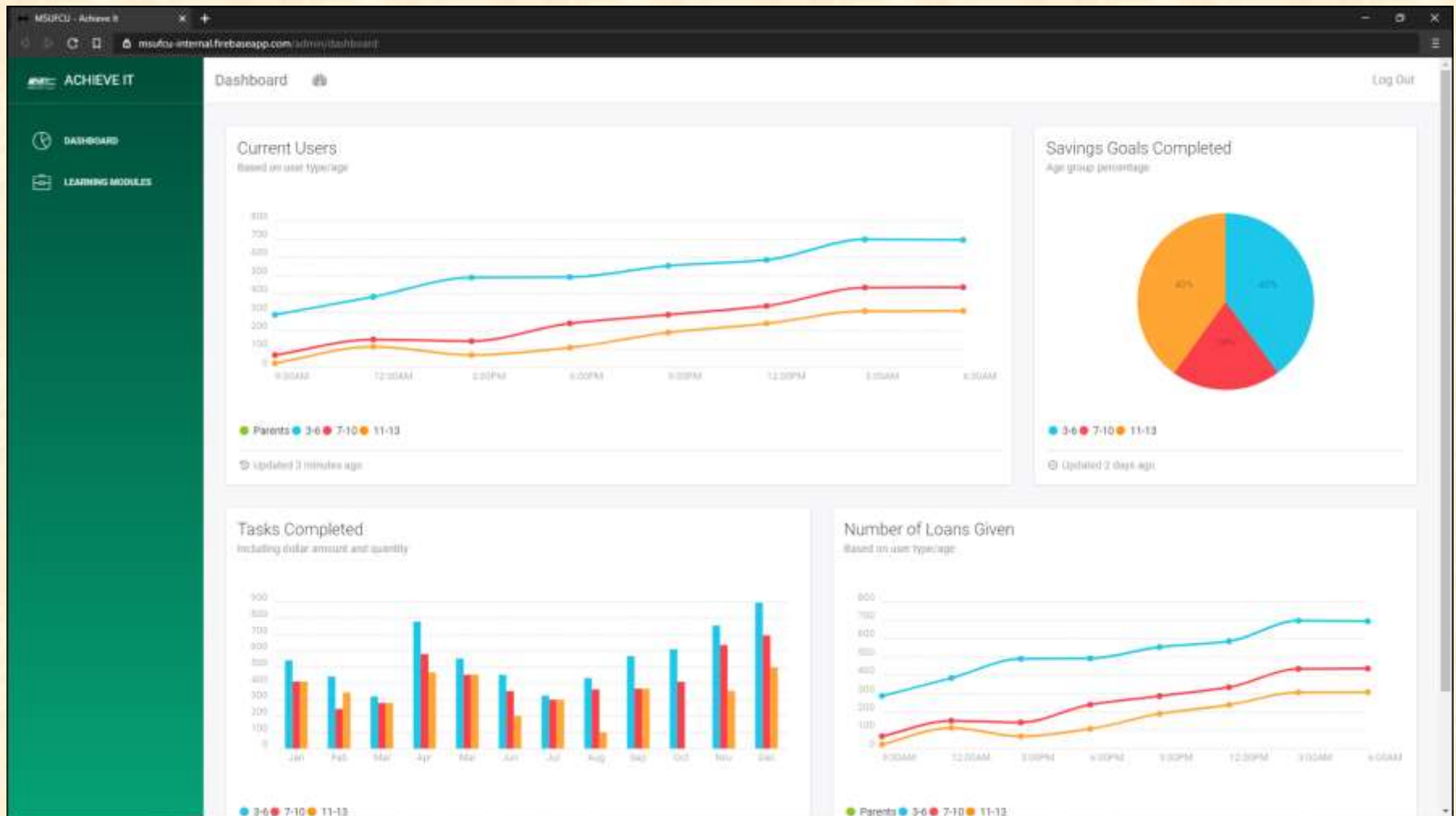
Project Overview

- Provide a safe, experience-driven financial education system for youth
- Four main functions
 - Savings Goals
 - LearningModules
 - 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

Log Out

Learning Modules

New Module View Stats

All Learning Modules:

Please see below for age-range breakdown

ID	NAME	AGE RANGE	TOPIC	STATUS
COR6003	Coin identification	3-6	Money ID	Live
HOP456	Coin Hoppers	7-13	Money Counting	In Progress
SAV890	Creating Savings Goals	3-6 & 11-13	Saving	Waiting for Review

Dollar Dog
Ages 3-6

ID	NAME
1	Coin Hoppers

Cyber Saver
Ages 7-13

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

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msufcu-internal.firebaseio.com/admin/add-module

Log Out

Back to Modules

Add New Learning Module

NAME OF MODULE
Creating Savings Goals

UNIQUE ID
SAV-890

TOPIC
Saving

STATUS
Waiting for Review

DOLLAR DDO (3-6 YEARS) ☒ OVER SAVER (7-10 YEARS) ☐ MONEY CLUB (11-13 YEARS) ☒

CONTENT
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

Question #1

QUESTION
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

OPTIONAL #1

CORRECT ANSWER

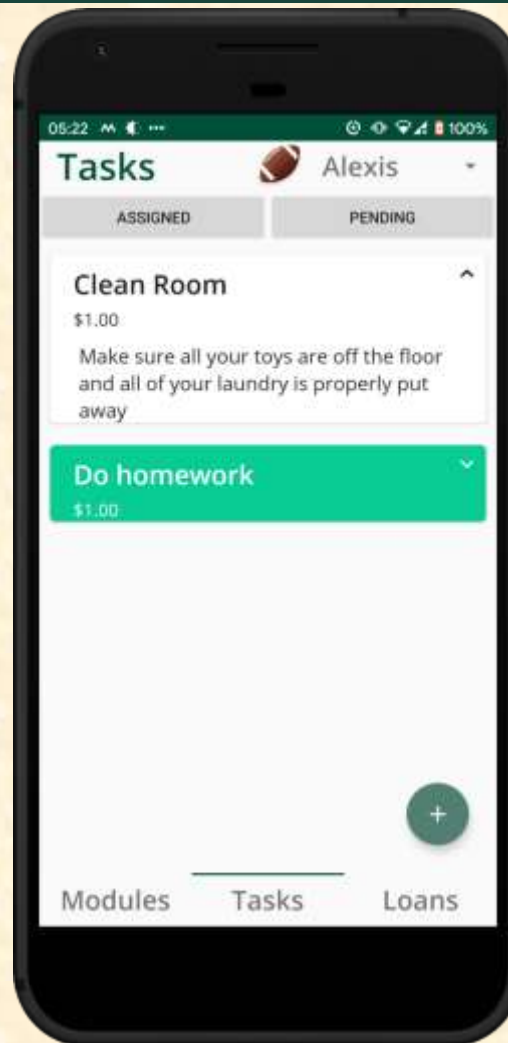
Web Admin Create Question

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" section with the text: "If Billy makes \$50 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 25% every week?". Below the question are four options, each with a "CORRECT ANSWER" checkbox:

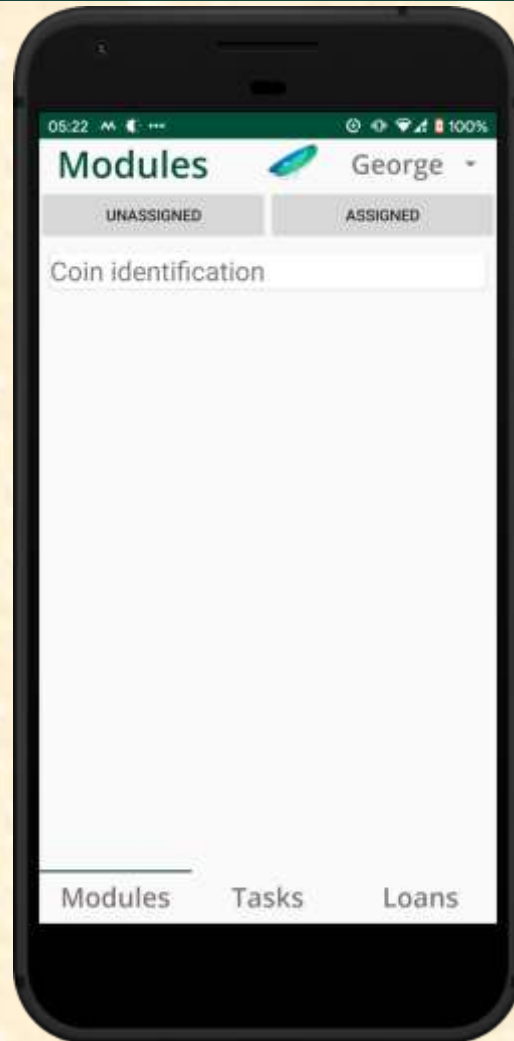
OPTION #1	CORRECT ANSWER
10 weeks	<input type="checkbox"/>
OPTION #2	CORRECT ANSWER
20 weeks	<input type="checkbox"/>
OPTION #3	CORRECT ANSWER
15 weeks	<input type="checkbox"/>
OPTION #4	CORRECT ANSWER
40 weeks	<input checked="" type="checkbox"/>

At the bottom of the question form, there are two buttons: "New Question" (blue) and "Submit" (green). A red "Delete Question" button is located in the bottom right corner of the question form. The footer of the page includes "Summary", "Tasks", "Settings", and a copyright notice: "© 2020 MSUFCU Achieve It".

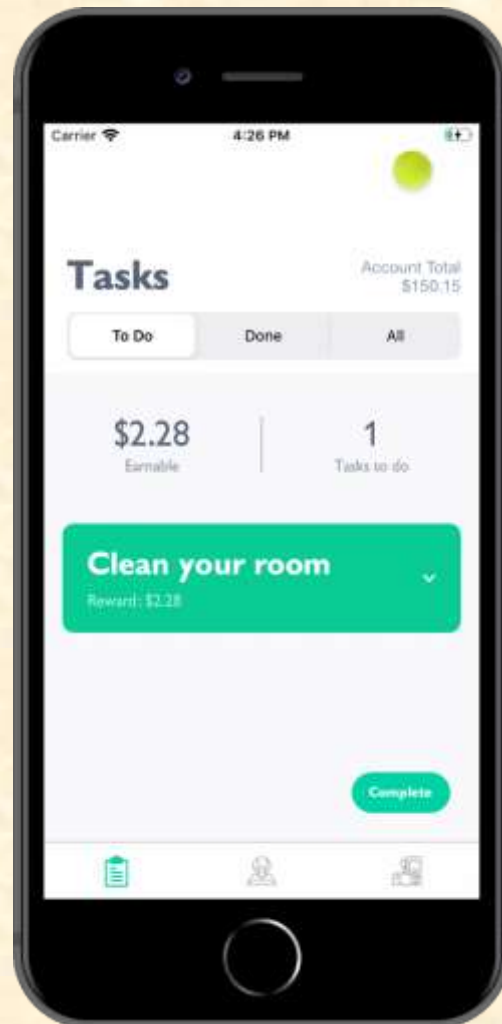
Android Parent View Tasks



Android Parent View Modules



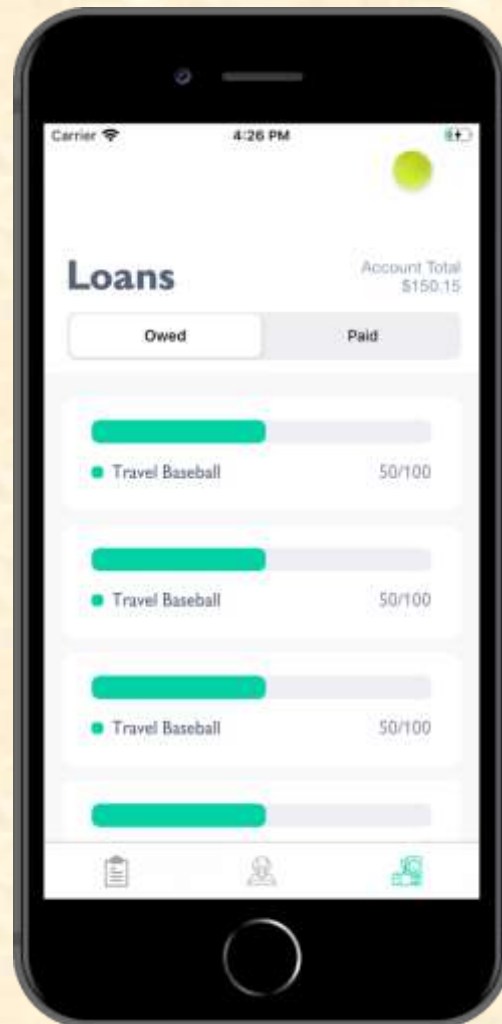
iOS Child View Tasks



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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