



**BALL STATE
UNIVERSITY**

EST. 1918

Student Engagement and Retention Tool

The Dream Team

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Refresh on studytable

- studytable was previously known as tudr, but they recently rebranded.
- Wesley Crouch is still the CEO and our contact with the company
- Their current project is still maintenance of the studytable app.





Our Project

- Dashboard
- Chat Bot
 - Answer questions asked by students
 - Pull professor info or course info
- Able to accept data input by professors for their classes
 - Professor provided Questions and Answers
 - Individual Syllabuses for each class
- Pull Professor Info
 - Classes, Office Number, Office Hours

Project Demo

Student Retention Service

Login

Username:

Password:

Login

Register a New User



Next Iteration Plans / Features

- Chatbot Plans:
 - Better dialogue flow
 - Clearer instructions for continuing the conversation
- Front-end Plans:
 - Merge pages
 - Change UI to client's specifications
- Back-end Plans:
 - Merge pages (same as above)



Feature Comparison

Iteration 4:

- New Pages / Page Functionality:
 - Syllabus can now be created, updated, and deleted.
 - Professor can now manage courses and student enrollment
 - Students can manage enrolled courses
 - Professor can view, edit, and delete questions
- MySQL database redone
- Code structure refactored

Iteration 5:

- Redone UI
- Separated presentation, logic, and methods into their own files.
- Restored chatbot functionality.



Technical Details

Current tech-stack:

- Front End
 - HTML
 - CSS
 - PHP
- Back End
 - MySQL
 - PHP
- API's
 - DialogFlow

It is a web-app that requires a continuous connection to the internet to work.



Technical Details - Front End & API

Front-End

- Dynamic CSS
- Updating php pages

APIs

Dialogflow

- Currently a iframe call in an php / html file.
- Used to operate the chatbot
- [Link to saved Dialogflow info](#)



Technical Details - Backend & Database

Logic (Backend)

- PHP and PHPUnit

There's three types of files now:

- Class files
- Presentation files
- Logic files

The logic files load both the class files and the presentation files, making it sort of hub for the two and any logic required to make them work.

Database

- MySQL

5 “normal” tables.

1 relational table.



Client Meeting

- The client liked the UI changes, but was not a fan of the login and register pages.