Student Engagement and Retention Tool

The Dream Team

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Refresh on Tudr

- Tudr is known for creating the Tudr app

- Wesley Crouch is the CEO of the company and our contact with the company
  - Ball State Grad

- Their current projects is still the maintenance and updating of the Tudr 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

- [Link to Website](#)
  - Student Example:
    username: exampleStudent
    password: password

  - Professor Example:
    username: exampleProfessor
    password: password

- [Link to SQL Manager](#)
  - username: 3ISdS27gPP
    password: dEnOlOyyio

Next Iteration Plans / Features

- Chatbot Plans:
  - []

- Front-end Plans:
  - Adjust UI
  - Make it more apparent when placeholder text is used
  - Consult with the client for UX design guides

- Back-end Plans:
  - Add more Test(failing tests)
  - Reworking parts of code and code structure

Feature Comparison

Iteration 3:

- Chabot upgraded
  - It now has more parameters for interaction to work with

- Website updates and upgrades
  - No longer "homepage" based
  - Now has several pages to navigate between
  - Added data input pages

- Redesigned MySQL Database

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

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

<u>Front-End</u>

- Dynamic CSS
- Updating php pages

<u>APIs</u>

Dialogflow

- Currently a iframe call in an php / html file.
- Used to operate the chatbot
- <u>Link to saved Dialogflow info</u>

Technical Details - Backend & Database

Logic (Backend)

- PHP and PHPUnit

There's two kinds of files: Logic (methods) files and presentation files and Data Layer.

The presentation layer is a mix of HTML and PHP.

Database

- MySQL

5 "normal" tables.

1 relational table.

Client Meeting

- **What is the maintenance plan of the project?**
  - None current, they'll decide to invest in the final iteration if they like it.

- **How does the client want to use the software after you transfer it to them?**
  - Depending on quality, is how they use it after it is given to them

- **How does the project will be deployed and to what server?**
  - Possibly deployed to aws

- **What part of the project is not OK to share in the student symposium?**
  - We can use all the project

- Overall the client had a very positive attitude towards the project and he said it looks alot better than it used too.