



Student EST. 1918 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 include the continued running, maintenance, and updating of the Tudr app itself.

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
 - o Individual Syllabuses for each class
- Pull Professor Info
 - Classes, Office Number, Office Hours

Project Demo

Link to Website

• Student Example:

username: bobjoe

password: example

Professor Example:

username: exampleProf

password: password

• Link to SQL Manager

username: 3ISdS27gPP

password: dEnOlOyyio

Next Iteration Plans / Features

- Chatbot Plans:
 - Awareness of more data (Ex: courses students are signed up for)
 - Remove all input of personal data
- Front-end Plans:
 - Improve "View Questions" page on professor path
- Back-end Plans:
 - o Implement a method to parse information from a template syllabus txt file
- General Plans:

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Feature Comparison

- Simplistic Chatbot
 - Interacts with Students
 - Echos data from database
- Standard Website Forms:
 - Login & Register Pages
 - Student Homepage
 - Interact with chatbot
 - Sign-up for courses
 - Professor Homepage
 - Create courses
 - Add questions to courses

- Chatbot upgraded
 - It now has more parameters for interaction to work with
- Website UI upgrades
 - No longer "homepage" based
 - Now has several pages to navigate between
- New Webpages:
 - View data page
 - Dedicated syllabus input page

MySQL Database

Redesigned MySQL Database

Technical Details

Current tech-stack:

- Front End
 - HTML
 - o CSS

- Back End
 - MySQL
 - o PHP

- API's
 - DialogFlow

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

Technical Details - Architecture

Front-End

Two user pathes:

- Student Path
- Professor Path

Both use html pages that are baked into the PHP back-end code.

CSS pages that correlate to the designated "types" of html pages.

Back-End

Four "Types" of PHP files:

- Student pages
- Professor pages
- Generic User pages
- System page

Links to MySQL architecture pages:

- Base Tables
- Relational Tables

<u>APIs</u>

Dialogflow

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

Client Meeting

- The client had issues meeting in person, so we did a digital meeting through Zoom.
- The client was able to explore the website's functionality through an example professor login and an example student login.
- Our overall observation of the meeting was the client's extremely positive response.
- The unique reaction we got was his immense concern with adhering to FERPA regulations, but he had never mentioned this concern to us before.