Project Outline

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ABA Implementer Data Tracking App

OVERVIEW

My capstone project is a data tracking app that I'll be developing for ABA implementers. ABA is short for "applied behavioral analysis" and implementers actively record data concerning their client's behaviors like occurrences of elopement throughout a school day. The app would allow implementers to login and easily record these data points.

This app could ideally alleviate the impracticality of implementing ABA while taking data; while also helping people related to the clients have a better understanding on the trends in the data, based on graphs deriving from the data.

FEATURES

- User Login: Users will be able to login and view client information and data points associated with their case load.

- Create and Edit Data Points: Implementers will be able to create data points specific to their client's behaviors. They will track occurrences of behaviors throughout their ABA sessions.

- View Graphs of Recorded Data Points: Users will be able to view graphs of their data.

- Email to parents/teachers: Users will be able to send data graphs to parents or other people's involved with their clients, utilizing 3rd Party API Integration.

TECHNOLOGIES

- Python

- MySQL

- Bootstrap

- Mailgun

WHAT I'LL HAVE TO LEARN

I will need to learn more about both Bootstrap and Mailgun technologies. I do not have experience with either technology. I will be researching how to display graphs based on data stored in a database.

I will also be researching the most viable option for sending reports via email, and how to send graphs created through bootstrap.