DATE1 - 9/14/21

Tessa Tryon
- What's been done:
  - ⊄ Research for Frameworks, set up react app, created project website with Github Pages

- What will be done:
  - ⊄ Flask set up and API endpoints for camper CRUD

- What's been hard:
  - ⊄ Need the SQL server set up before we can start working with flask.
  - ⊄ Trying to find the best host for client's and our needs.

Zach Bender
- What's been done:
  - ⊄ Cloned project repo from GitHub, started researching how to connect react front-end to the database
- What will be done:
  - ⊄ Start building out the frontend.
- What's been hard:
  - ⊄ Figuring out how we are going to connect are webapp to a database with all the campers information

Tyler Blair
- What's been done:
  - ⊄ Set up local environments (cloned github repository, local DB instance)

- What will be done:
  - ⊄ Choosing actual DB platform and setup (likely AWS RDS; free for 12 months)
  - ⊄ Learn more about Flask/SQLAlchemy and REACT

- What's been hard:
  - ⊄ Ensure that DB schema will be sufficient for our needs. Though some documentation has taken place, changes will likely need to be made when put into practice

Trey Thorne
- What's been done:
  - ⊄ Increased familiarity with Python Flask, html, css. Researching using SQLAlchemy for database queries.
- What will be done:
  - ⊄ Continue increasing familiarity with Python Flask, SQLAlchemy, and REACT
- What's been hard:

⊄ Becoming familiar with many different languages and tools at once.

DATE2-9/16/2021

Tessa Tryon
- What's been done:
  - ⊄ Flask set up for REST API
  - ⊄ Camper resource (to be named attendee later)

- What will be done:
  - ⊄ API Endpoints for group and fetching from React

- What's been hard:
  - ⊄ Flask documentation is not the best
  - ⊄ Trying to determine what libraries/APIs to use

Zach Bender
- What's been done:
  - ⊄ Started setting up a main page for the app
  - ⊄ Working on a form to add campers to the database
- What will be done:
  - ⊄ Basic form will be finished
  - ⊄ Going to add routing to the app so we can have multiple pages
- What's been hard:
  - ⊄ Learning how to set up routing on the react app

Tyler Blair
- What's been done:
  - ⊄ Worked on DB design, updated schema accordingly
  - ⊄ Created backup of local DB instance so that it can be quickly restored for other teammates' local DB instances for testing purposes
- What will be done:
  - ⊄ Look into Azure student subscription for DB hosting
  - ⊄ Create DB diagram (outlining primary and foreign keys) via SQL Server Management Studio

- What's been hard:
  - ⊄ Successfully attempting to start a DB server through AWS; workflow for creating a DB instance is unclear, many added steps involving subscriptions, extra users, etc. This is why I am looking into the Azure student subscription (I learned of this through the Azure Dev tools link on OIT's website)

Trey Thorne
- What's been done:
  - ⊄ Created a local DB and established a connection to it via Flask
- What will be done:

⊄ Continue increasing knowledge of Flask while also testing queries on local DB
- What's been hard:
  - ⊄ Establishing the connection to the local DB and researching pyodbc to accomplish it

DATE2-9/17/2021

Tessa Tryon
- What's been done:
  - ⊄ Research
    - ■ Firebase for Authentication
    - ■ Jest for testing React
    - ■ Marshmallow for REST request parsing and schema

- What will be done:
  - ⊄ API Endpoints for group and fetching from React

- What's been hard:
  - ⊄ Allocating time for tasks and website building

Zach Bender
- What's been done:
  - ⊄ Made first commit for the frontend
  - ⊄ Completed a component for a simple add camper form and a component for a simple add group form
- What will be done:
  - ⊄ Routing will be added so these forms are on a different page than the home page
  - ⊄ Styling will be added to make the current site look much better
- What's been hard:
  - ⊄ Properly styling a blank website that has no structure yet
  - ⊄ Learning routing for react

Tyler Blair
- What's been done:
  - ⊄ Created DB diagram
  - ⊄ Committed DB backup, schema, and diagram to the repo
- What will be done:
  - ⊄ Look into Azure student subscription for DB hosting
  - ⊄ Work with Trey in order to be able to successfully query the DB using Flask

- What's been hard:
  - ⊄ Properly visualizing how the front and back ends will connect up in terms of DB schema; hopefully will fall into place as progress on both continues

Trey Thorne
- What's been done:
  - ⊄ Refined connections to database. Learned more about python pandas library
- What will be done:
  - ⊄ Increase knowledge of python pandas library while also refining query methods
- What's been hard:
  - ⊄ Fine tuning the specific type of sql server connection via python

DATE2-9/21/2021
Tessa Tryon
- What's been done:
  - ■ Added bio to website
  - ■ Marshmallow vs Pydantic research/experimentation
  - ■ Refining API code for groups and attendees (previously campers)

- What will be done:
  - ⊄ Continue refining API and connect to backend

- What's been hard:
  - ⊄ Sifting through flask and marshmallow documentation and interpreting vague errors

Zach Bender
- What's been done:
  - ⊄ Added routing to the site so there are now three different pages
  - ⊄ Created a basic navbar that's at the top of each page
  - ⊄ Created a simple homepage component
- What will be done:
  - ⊄ Going to use Material UI to style the forms
  - ⊄ Going to format the form data into json data
- What's been hard:
  - ⊄ Setting up the file structure properly
  - ⊄ Finding the appropriate way to incorporate routing

Tyler Blair
- What's been done:
  - ⊄ Deployed database using Azure SQL
  - ⊄ Ran scripts generated by local DB instance to generate the tables in the Azure DB
- What will be done:
  - ⊄ Adding all team members as users to the database

⊄ Work with Trey in order to be able to successfully query the DB using Flask and Pandas frameworks

- What's been hard:
    - ⊄ The database is not able to be connected to every time a connection is made from a new IP; Firewall rules have to be set up to accept an IP, so this may cause connection issues for the rest of the team

Trey Thorne
- What's been done:
    - ⊄ Increased knowledge of python pandas dataframe object and established add and delete from local db
- What will be done:
    - ⊄ Connect to db hosted on azure
- What's been hard:
    - ⊄ Determining the best suited form for results from db

DATE2-9/23/2021
Tessa Tryon
- What's been done:
    - ⊄ Add instructions for running app to website
    - ⊄ Added in marshmallow schema to API for validation
    - ⊄ Tested API via Postman

- What will be done:
    - ⊄ Connecting API to React Frontend

- What's been hard:
    - ⊄ Took some time to figure out content-type issues with Marshmallow API

Zach Bender
- What's been done:
    - ⊄ Form data was changed to JSON data
    - ⊄ Minor styling added
- What will be done:
    - ⊄ Going to work with Tessa to get request set up between Flask and React
- What's been hard:
    - ⊄ Learning about the different types of data and what we need to properly communicate between platforms

Tyler Blair
- What's been done:
    - ⊄ Added logins and user roles for all team members to database
- What will be done:

- Add bio to project site
- Work with Trey in order to be able to successfully query the DB using Flask and Pandas frameworks

- What's been hard:
  - Most of the individual components for the start of our application are assembled, now we have to focus on putting those components together and test them.

Trey Thorne
- What's been done:
  - Connected to database and ran queries from it
- What will be done:
  - Refining functions to manipulate data within db
- What's been hard:
  - Learning and using SQL has been a bit difficult

DATE2-9/24/2021
Tessa Tryon
- What's been done:
  - Worked with Zach to make Fetch requests to API

- What will be done:
  - Start connecting API to database functions

- What's been hard:
  - Interpreting CORS errors
  - Need some db functions that have not yet been implemented

Zach Bender
- What's been done:
  - Worked with Tessa to get request sent between React and Flask
- What will be done:
  - Front end will be set up so that all the required requests are made
  - Material UI will be integrated into the project for styling
- What's been hard:
  - Dealing with all the unfamiliar errors that came with React and Flask communicating

Tyler Blair
- What's been done:
  - Collaborated with Trey on what SQL queries need to be written to pull data from the DB

- ⊄ Changed "group" table name to "groups" in order to avoid complications with SQL's reserved word "group."
- What will be done:
  - ⊄ Trey is adding a new issue on GitHub for any advanced SQL queries will be needed. I will work on those requirements and push those queries to the DB.
  - ⊄ Learn more about REACT and Flask in order to help development in additional ways if the DB aspect is completed early.
- What's been hard:
  - ⊄ We have encountered additional issues with the DB firewall. So far, the only reliable connection can be made on UA's VPN.

Trey Thorne
- What's been done:
  - ⊄ Created more functions to pull data from db
- What will be done:
  - ⊄ Finishing up functions to pull from db
- What's been hard:
  - ⊄ Determining the best way to setup ServerConn class