# Installation & Instructions

## Teacher Supply Donation Web Application
## Project Archive - Final

**CS467 Online Capstone Project**
**Fall 2022**

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# Project URLs

**Hosted Web Application**
https://tsdonation.live

You may create your own account or use the credentials provided below to test the application.
**Email:** demo@demomail.com
**Password:** projectarchivefinal

**Hosted Back-End API**
https://donation-web-api.onrender.com
Navigating to the url will display a message on the browser indicating the back-end service is working. The WebApp calls endpoints at this domain for back-end services.

# Source Code

**Project Front-End Repository**
https://github.com/CS467-Fall-2022-Capstone/teacher-supply-donation-react

**Project Back-End Repository**
https://github.com/CS467-Fall-2022-Capstone/donation-web-api

# Installation and Setup

### Web Service API for Teacher Supply Donation (Back-End):

- Clone or fork the donation-web-api GitHub repo at https://github.com/CS467-Fall-2022-Capstone/donation-web-api.
- Then install the packages for the project using `npm install`.
- Create a `.env` file in the root directory.
- Set the following environment variables in the .env file:
```
PORT=3000  # For local development
MONGODB_URI=<Your MongoDB connection string>
JWT_SECRET=<Your Secret>
JWT_ALGO=<Your JWT algorithm, HS256 recommended>
TSD_EMAIL_ADDRESS=<Email address, must be a Gmail address>
TSD_EMAIL_PASS=<Password to your email account>
```
- The app will run on Port 3000.
- You can use a MongoDB Atlas connection string or if you want to use a local version of MongoDB then use `mongodb://localhost:27017/<dbname>` for `MONGODB_URI`
- Run the server with nodemon using `npm start`
- The unit and integration tests were written with mocha, chai, and supertest. To run tests, use `npm test` in the project directory.
- The application uses the npm package “nodemailer” via SMTP with Gmail as the service to send emails. Store your email address and password in `TSD_EMAIL_ADDRESS` and `TSD_EMAIL_PASS`. The password must be an App Password created in your Google account, not the password to your email address.

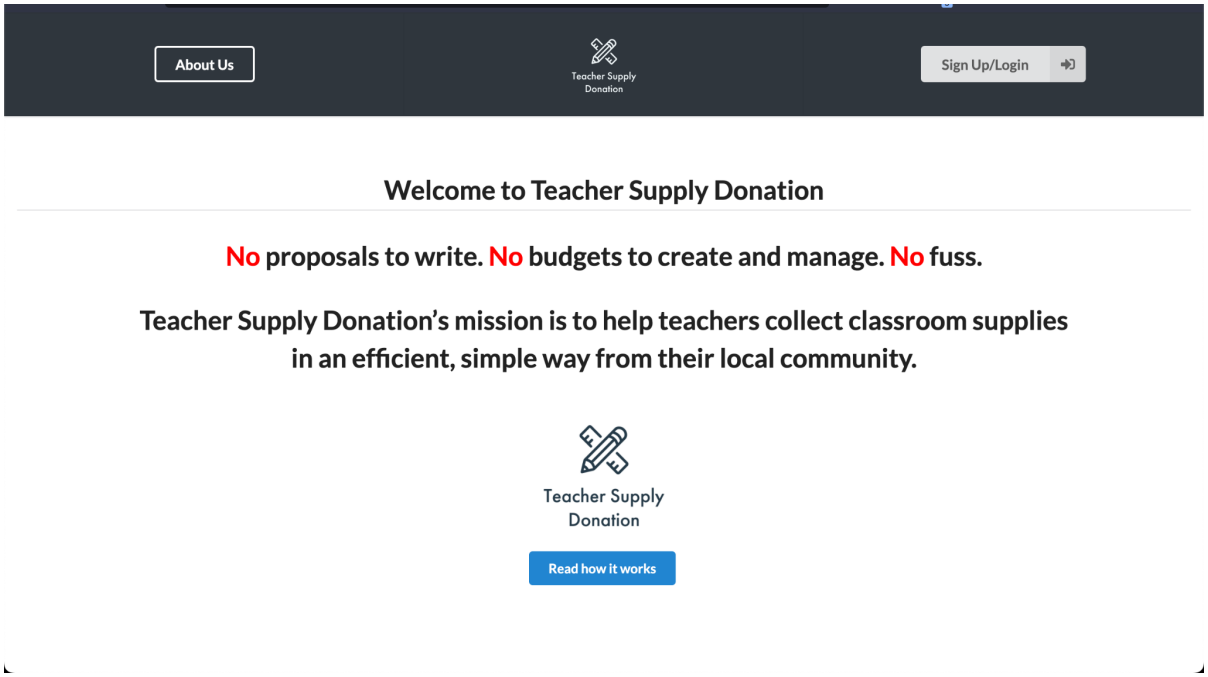
- How to create an App Password with Google: https://support.google.com/accounts/answer/185833?hl=en

### Teacher Supply Donation Web Application (Front-End React)

- Clone or fork the donation-web-api GitHub repo at https://github.com/CS467-Fall-2022-Capstone/teacher-supply-donation-react.
- Create a `.env` file in the root directory.
- Set the following environment variables in the .env file:
  ```
  PORT=8000
  REACT_APP_BACKEND_URL=http://localhost:3000
  ```
- When developing locally, REACT_APP_BACKEND_URL will point to the local express server and be proxied at http://localhost:3000 as designated in the package.json proxy field. For production, REACT_APP_BACKEND_URL should point to the Donation Web API's URL.
- You can run the app in development mode running `npm start` in the project directory. Open http://localhost:8000 to view in your browser.

## UI Screenshots

### Home Page

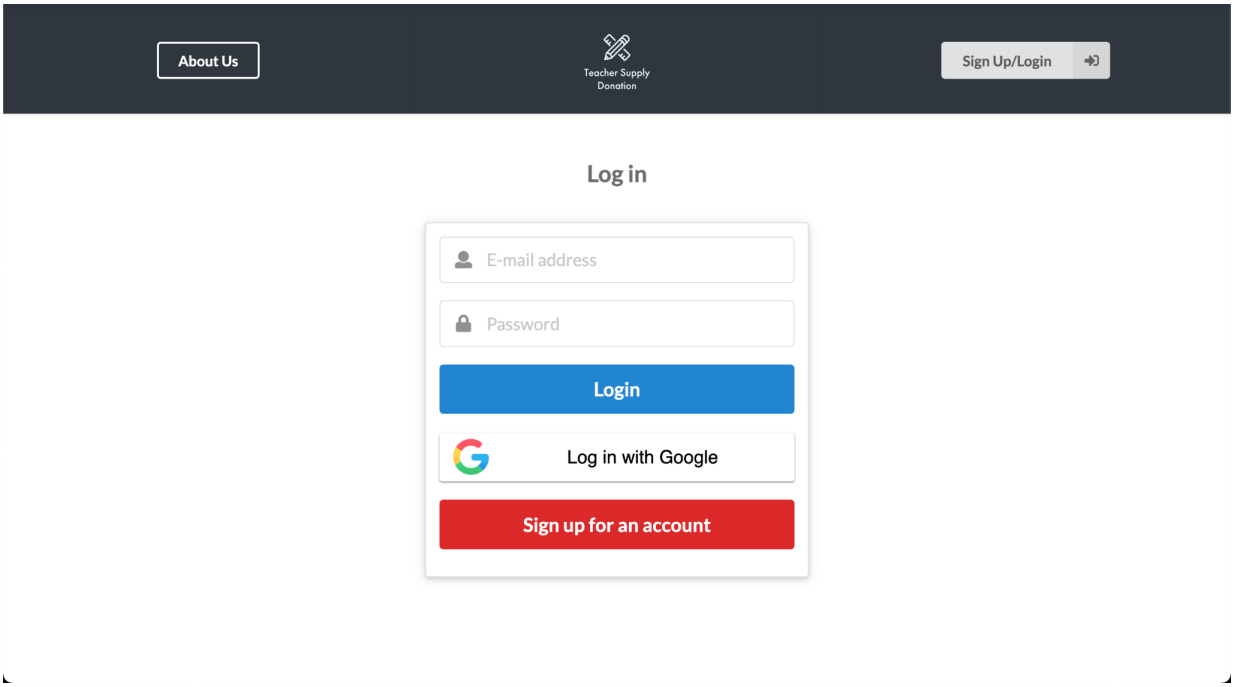


## Login Page

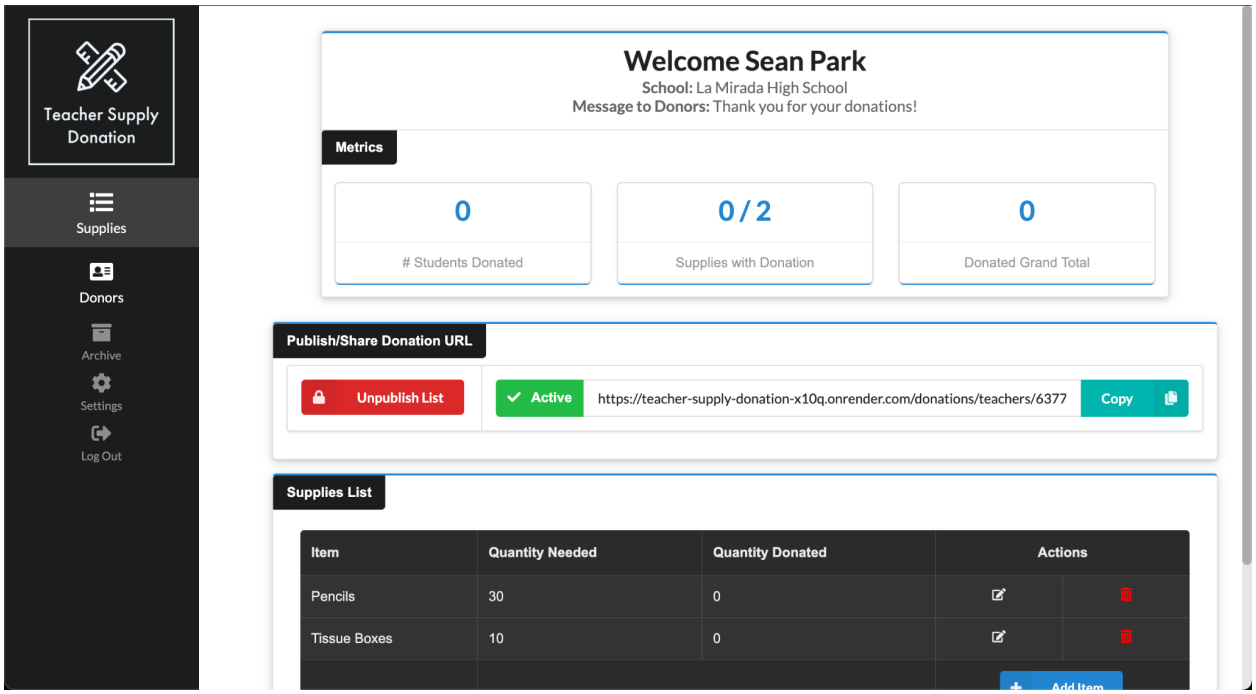
Create your own account or use the provided credentials below to test the app

**Email:** demo@demomail.com

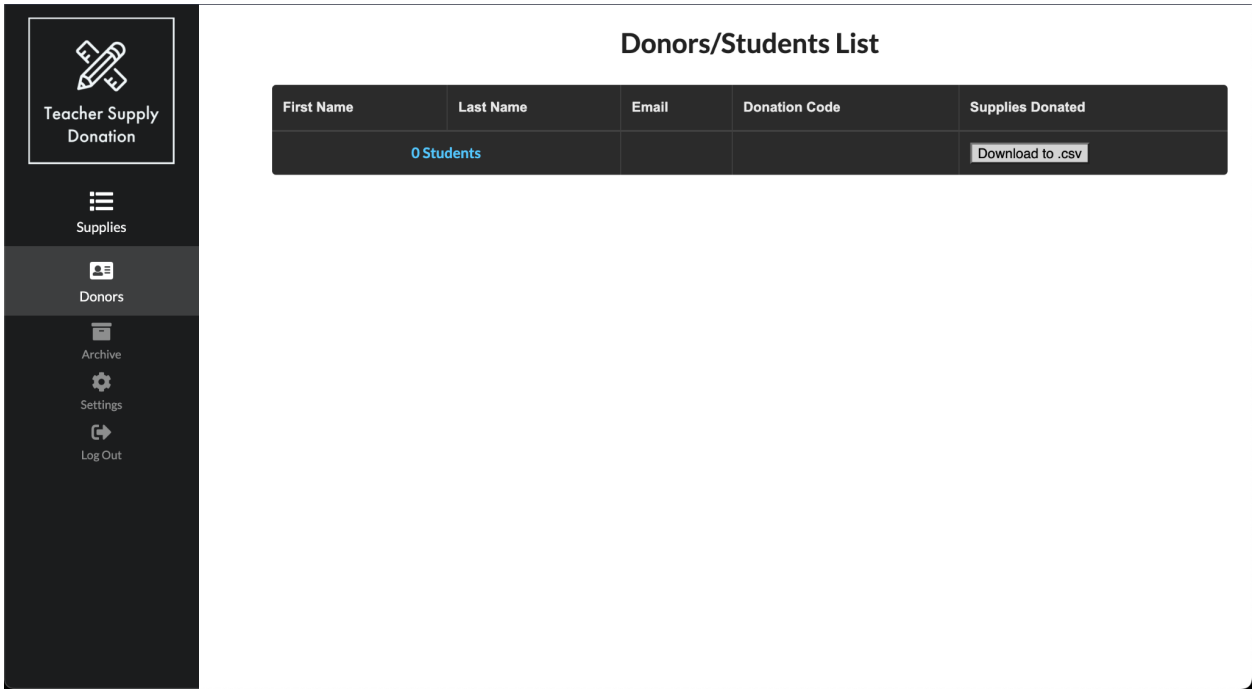
**Password:** projectarchivefinal



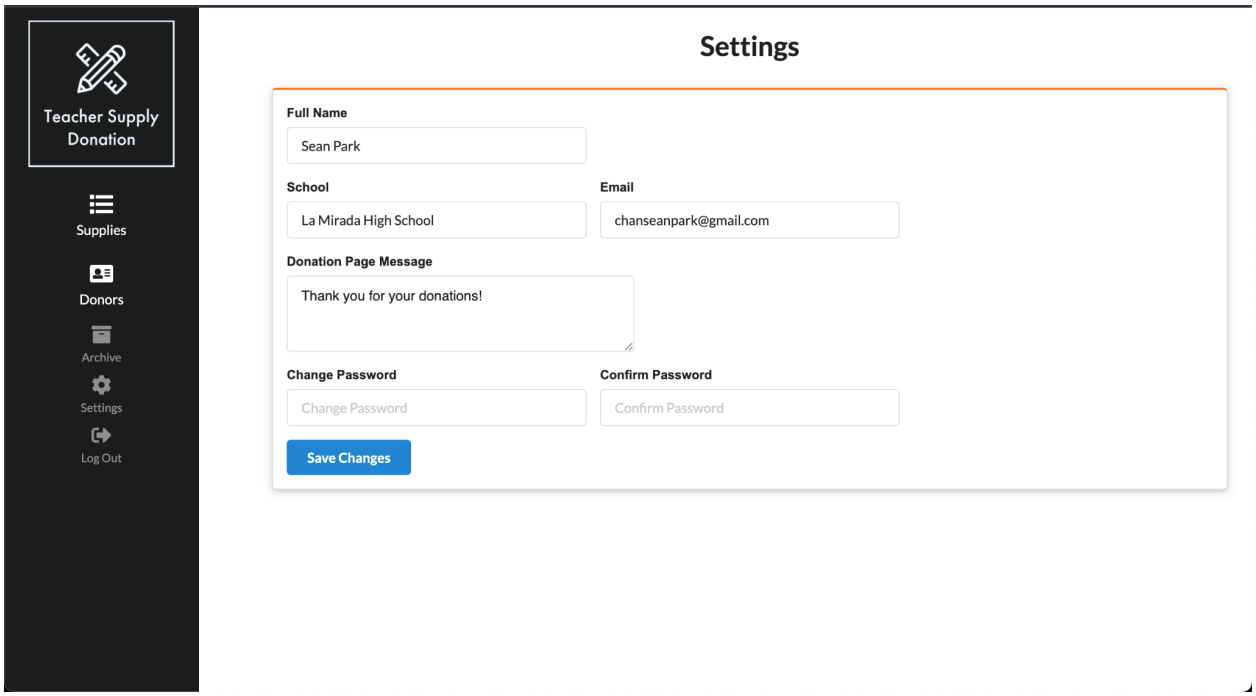

## Teacher Dashboard Page



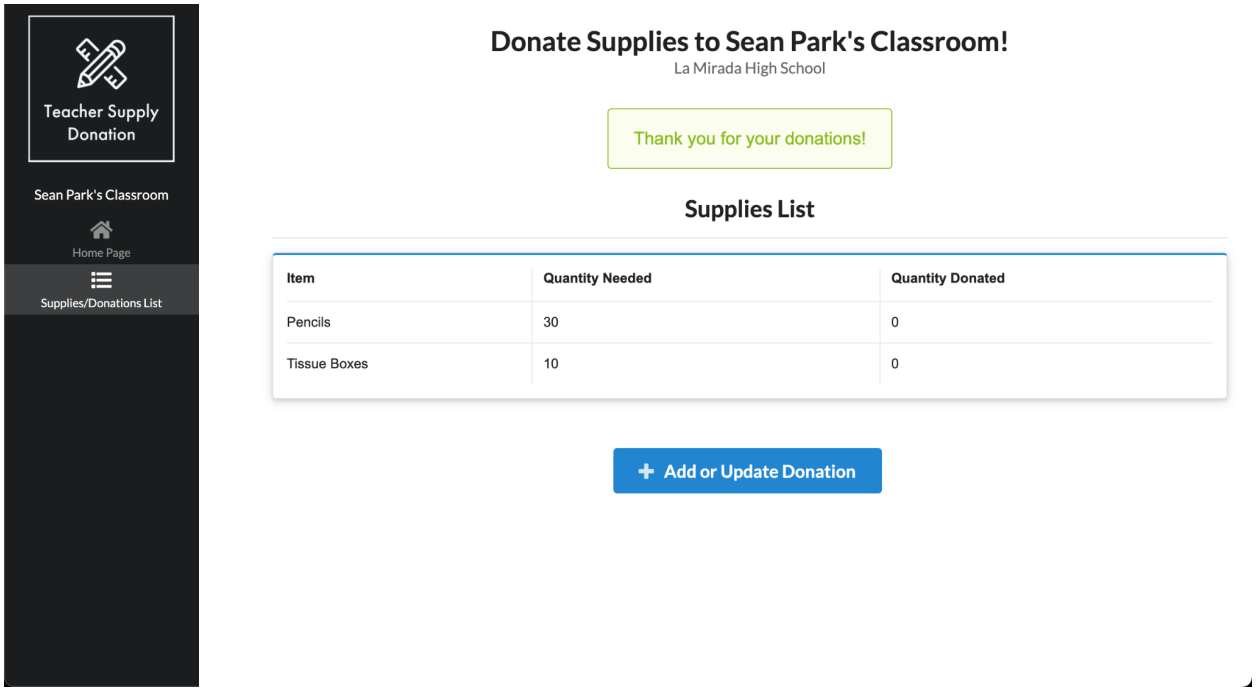
## Donors/Students List Page



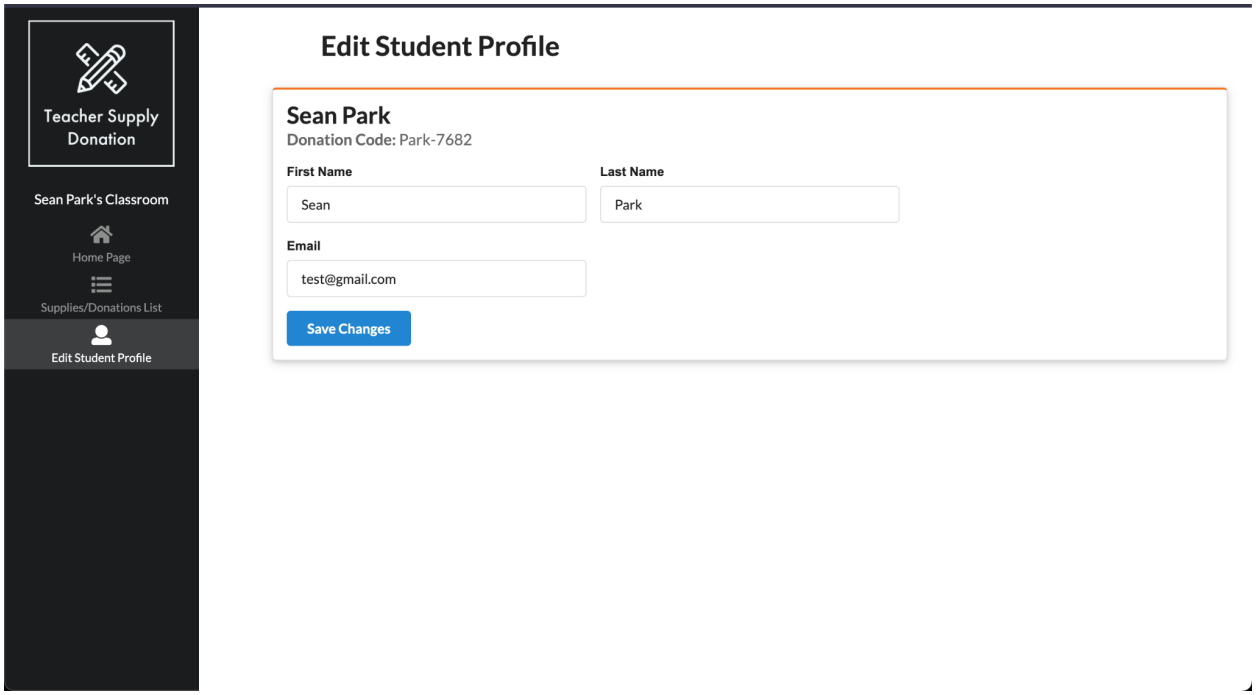

## Settings Page



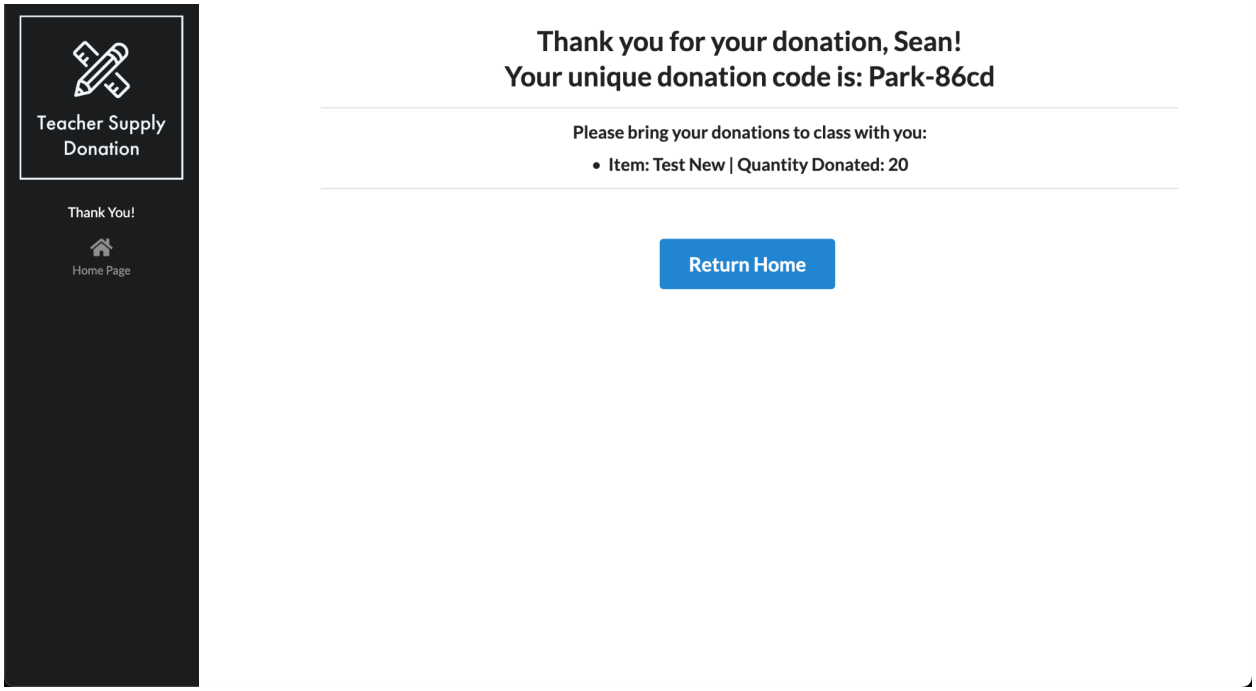
## Public Donation Page

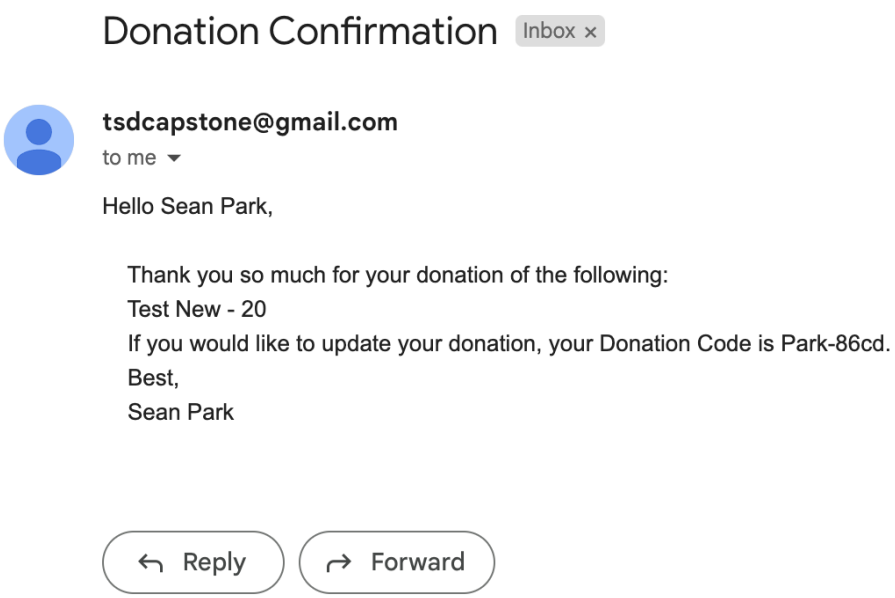



## Edit Student Profile Page



## Donation Thank You Page




## Donation Confirmation Email