

Oppression

Education

Health

HOPE HACKS

Pollution

Objectives

- Implementing a server to your project.
- Learning how to create APIs and using 3rd party APIs to acquire data.
- Creating something that you would like to implement into our community.

What does **HOPE** stand for?

H – Health

O – Oppression

P – Pollution/Planet Wellness

E – Education

It is up to you & your team!

- Create an application that helps solve/improve one of the four categories.
- We will send a form out shortly for you to decide what category to enter in.
- From there, you will be placed into groups of 4 - 5 in a designated category.
- Your team will only be competing against other teams within the same category.

Project Details

- Your application must have a Node.js server that is actively using APIs that you made and from a 3rd party (External source).
- You will have to slack Lucy or Reggie the 3rd API to verify the usage of it.
- Be creative in your ideas, you all have full ownership over this project. Make something that you would want to use!

Github Repo

- You should be using a single Github repo for you and your team to work on.
- Your directories need to be structured and neat.
- You should **not** upload any of your node modules onto this repo.
- Your README.md file should include steps to installing and running your app. You should also include the certain technologies you used to build your app.

Github Repo (Continued)

Example of structured repo:

The screenshot shows a GitHub repository page for 'l-yang-05 / SLADE'. The repository has 8 commits, 1 branch, 0 packages, 0 releases, and 1 contributor. The MIT license is selected. The repository description states: 'SLADE is an application that eases the grading process for military instructors. I created this application with my team at Hack Duke 2019.' The repository tags include reactjs, mysql, mysql-database, api, nodejs, expressjs, auth0, jwt-authentication, mern-stack, and Manage topics. The file list shows the following files and their commit dates:

File	Commit	Date
client	Added style changes	4 months ago
routes	Added project files	5 months ago
screenshots	Added screenshots	4 months ago
.DS_Store	Added screenshots	4 months ago
.gitignore	Initial commit	5 months ago
LICENSE	Added license	5 months ago
README.md	Updated url to license	5 months ago
mock.sql	Added project files	5 months ago
package-lock.json	Added project files	5 months ago
package.json	Added project files	5 months ago
server.js	Added project files	5 months ago

Example of a README.md:

The screenshot shows the README.md file for the SLADE repository. The file content is as follows:

SLADE

SLADE is a MERN application that eases the grading process for military instructors. I created this application with my team at Hack Duke 2019. SLADE is meant to be viewed on a tablet or phone since military instructors will have to view the app on the tablets they are given. This is for ease when going out into training instead of them using paper and pencil. When the user opens up the application, they will be greeted with a login screen. We are using auth0 to authenticate the application. After the user logs in, they will be given a navigation screen. There are three other main pages to the application which are the profile for the teacher, a page for searching students, and a page that will allow them to record data. Each of the students have a profile of their own and will display their growth over time in the program. There are charts implementing in their profiles that will take in data from the MYSQL database we created.

Getting Started

Clone or download this repo onto your local machine. Once you have done this, install the node packages. You can do this by running `npm i` on your command line tool.

Running the app

After you have installed all of the dependencies that are needed for this project, you can open the project up through your command line tool. First be in the root of the directory and then run `npm run start` in your command line tool. This will start the server and the react app at the same time.

Stopping the app

To stop running the server and the react app, you can hit `control + c` to close both.

Built With

- React - The framework used
- NodeJS - The development for server
- Express & Express Router - Used to create endpoints
- Morgan - Logging tool
- Helmet - Provided security
- Concurrently - Used to run servers at the same time
- MYSQL.

Author

- Lucy Yang

License

This project is licensed under the MIT License - see the LICENSE.md file for details.

Submission Details

- You will need to turn in your team's GitHub repository's link through the submission form by Wednesday, May 6th 11:59 PM.
- Only **ONE** person from your team needs to turn in the Github repo.

Presentations

- We will have presentations on Thursday & Friday of this week. (May 7th - May 8th)
- In these presentations, you should go over the issue that your team was helping/solving, as well as a demonstration of your app.
- Your presentation should only last about 15 - 20 minutes.
- Your mentors will be invited to come sit in on these presentations to support you!

Requirements

- Organized Github Repository with a LICENSE, a README, and a .gitignore file present
- A server that is sending requests to a front-end client (HTML website).
- App must be using APIs that you made and 3rd party APIs
- Be creative! Don't limit yourself and your ideas!

