Final Report for Walking Trail App

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The current feature in the app

* Authentication (sign in/sign up) - Create an account, store credentials in Mongoose, and access user-specific data. Log in to existing accounts.
* Map button – users can click on the map button, which will lead them to the trail map.
* Interactive Map - Admin can create markers that contain content (Exercise, nutrition information)
* Admin view - Admin can assign privileges, create content, update content, delete content.

Future features to add

* Add More trails
* Have comments and reviews of trails posted on the blog
* Offline/True GPS tracking (High difficulty, if you want to do this then start immediately or you won't have enough time to complete)

Known issues

* Security for the web application
* Database
* Admin capabilities

Flyer

A book cover with trees and text

Description automatically generated

Link to Final VLOG

* <https://www.youtube.com/watch?v=3VzEgL2PCQM>

Abstract

*Purpose of the Application*

Our team is working on a web app project, based in React.Js, aimed at promoting physical and nutritional health. The app, which is currently in development, will feature QR codes along Georgia Gwinnett College’s walking trails for location-based exercise recommendations and integrated health facts. Future plans include extending the app to Gwinnett County Parks & Recreation and broadening its impact on physical education and nutritional health.

Team members / Clients & Their Vision

*Our Team*

A group of men sitting at a table smiling

Description automatically generated

*Clients*

A person wearing sunglasses and smiling

Description automatically generated A person with short blonde hair

Description automatically generated

*Their Vision*

Both Dr. Perell-Gerson and Dr. Walsdorf share a passion for nature and exercise. As professors at GGC, they wanted to create a platform where students could explore the trails through a digital experience.

* A walking trail app that allows students to access the trails of GGC.
* QR codes will track students’ progress along the trail and populate the screen with fun facts and videos of recommended workouts.
* The app will track the users’ distance and create a path through the trail.

Documentation

* Installation Documentation:
  + Step by step instructions on how to install the software on their system is on GitHub ReadMe file
* System Requirements Documentation
  + Information regarding the packages requirements necessary to run the software
* Developers Will Have:
  + Requirements Documentation
  + Intellectual Property
  + Agreement Documentation
* Users Will Have:
  + Installation Documentation on GitHub
  + System Requirements Documentation
  + Quick user guide

Installation and user documentation

* All installation steps will be within the readme document.
* Developer and user guides will be within the doc-2023 folder.

IP and software license

* IP license will be in the doc-2023 folder in GitHub
* Software usage will be in the doc-2023 folder in GitHub

Sprint charts

