A blue circle with a person running

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Extrasize

Get more from every workout.

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CMPT 276

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# Project Overview

Our project is centered on developing an innovative running workout application that integrates seamlessly with APIs like Google Calendar and Strava to enhance the user experience in planning and tracking fitness activities. Utilizing a dynamic Kanban methodology to manage our workflow, we are able to address the challenges posed by our team's relative inexperience with large-scale projects by allowing for flexible task management and prioritization. The application is being built with a robust technology stack, leveraging the interactive capabilities of React for the frontend, coupled with the foundational web technologies HTML and CSS for structure and style. This combination provides users with a responsive and intuitive interface to schedule workouts, track their progress over time, and analyze their performance with visually engaging maps and statistics. As we progress, our focus on effective communication within the team and a rigorous review process ensures that we maintain high standards of quality and functionality in each phase of the project, from initial planning through to deployment and closure. This way, we can make sure our app is easy to use and works well from the time we start building it until we're ready to share it with everyone.

# Kanban Methodology

Our intention originally was to make use of the Kanban Agile methodology. This was because it was an easy way to visualize which tasks need to be done, and which tasks are in progress or already done. We saw potential and researched about it in the beginning stages of the project. The member in charge of carrying out these tasks was Melvin who dropped out of the course with out notice. Because we did not know he dropped the course until the TA check-in, we carried out as best as we could through message for the whole of Milestone 1. After the first check in, once we realized the Melvin was not going to be part of the group, our priority had shifted to making up for the tasks that should have been done. Through the whole project however, we did maintain good communication and used Discord as our makeshift kanban board. Although there was no visual representation of the board, tasks were laid out clearly along with its priority.

# High-Level Features

# Google Calendar Features

# Strava Features

# Code Testing

# CICD Infrastructure

# High-Level Data Flow Diagram

Data Flow Diagram Level 0

A diagram of a company

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[Link to larger image](https://www.figma.com/file/FkUgTRag6I912bowKIK9jA/DFD-level-0?type=design&node-id=0-1&mode=design&t=TShjKA5u3ArW48uR-0)

Our application (Center) is the link between the users Google Calendar and Strava. A client will be able to interact with both apps through a single interface saving them time, and providing an easier way to schedule runs into their Google Calendar app.

# Lessons Learned

Scope of project:

From this project we learned that we must really plan and set in stone exactly what are project will do before we start working on any other steps of the planning stage.

# Challenges

# Work Division

Brian – Planning, organization, Formatting Reports, Presentation Slides, Scheduling Meetings

Report: Project Over View, Kanban Methodology, Lessons Learned, Challenges

Presen

Ian – Programing, CICD, Testing

Chris – Report: High-Level Features, Google Calendar Features, Strava Features, Code Testing,

CICD Infrastructure

Presentation Slides: