

CIS/CEN 4914 Senior Design Advisor Approval Form

APPLICANTS (Team Members)

1. **Charles Richardson (73112398)**
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Team Name: **Beat**

Brief description of project:

Lifestyle Tracking, Analysis & Coaching Platform: A Holistic Approach to Personal Well-being

The modern world demands a comprehensive understanding of an individual's lifestyle to achieve optimal well-being. This senior project aims to develop an innovative lifestyle platform that aggregates data from various sources to provide a holistic perspective of a user's lifestyle. The platform will prioritize native sensors such as accelerometers and cameras and integrate health, productivity, and nutrition data sources.

Key Features:

1. **Data Aggregation:** The platform will integrate data from various sources, such as wearable devices, smartphone apps, and manual input, to provide a comprehensive view of the user's lifestyle. Data sources will include, but not be limited to, physical activity, sleep patterns, productivity, and dietary habits. A concrete set of sources will be determined as a team upon project approval.
2. **Visualization and Reporting:** The platform will feature intuitive dashboards and visualizations to help users easily understand their lifestyle data. Users will be able to track their progress over time, compare their performance against personal goals, and identify areas that require improvement.

Computer languages you plan to use: **Dart, Python**

Software packages/frameworks you plan to use:

- **Framework: Flutter, Flask**
- **PubDev and Pip Packages (including but not limited to): HTTP, Geolocator, Google Maps, Apple Health...**

ADVISOR APPROVER

Advisor name: Sumi Helal

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Advisor Signature:

