

University of British Columbia, Vancouver

Department of Computer Science

CPSC 304 Project Cover Page

Milestone #: 1

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Group Number: 71

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By typing our names and student numbers in the above table, we certify that the work in the attached assignment was performed solely by those whose names and student IDs are included above. (In the case of Project Milestone 0, the main purpose of this page is for you to let us know your e-mail address, and then let us assign you to a TA for your project supervisor.)

In addition, we indicate that we are fully aware of the rules and consequences of plagiarism, as set forth by the Department of Computer Science and the University of British Columbia

2. Brief Project Description

a) What is the domain of the application?

The domain of the application is related to a health & fitness tracking device where the users can interact with the device by tracking statistical data related to sleep, physical activity, and recovery. Within this domain, the focus will be the device's collected statistical data and its user engagement.

b) What aspects of the domain are being modeled by the database?

The data is being collected by a wearable device that provides qualitative and quantitative insights and recommendations to the user. The statistical data will include aspects such as physical activity, sleep patterns, and recovery metrics including heart rate and stress levels, then it will provide insights based on collected data to enhance user experience. Not to mention, data propagated by the user about nutrition can be analyzed by the device and included in the insights provided.

3. Database Specifications

a) What functionality will the database provide?

The database stores statistical data pertaining to overall physical health and well-being that can be quantified through the device allowing ease of access and analysis. By accessing such data, the users will be able to monitor and track their health patterns to seek strategies to improve their well-being. The user would be able to pinpoint which aspect of their physical health needs the most attention and easily track progression/deterioration.

4. Description of the application platform

a) What database will be used for the project?

The database that the project uses will be the Oracle database.

b) What is your expected technology stack?

The expected technology stack for the project will be Java and PHP.