# Milestone 3

## CPSC 304 Project Cover Page

Milestone #: 3

Date: Oct 25 2024

Group Number: 10

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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

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2)

The personal healthcare app helps users with health conditions, their families, and health consultants monitor and manage vital information. It enables users to track their health and follow programs, while health consultants can monitor and adjust patient care. A streamlined communication system ensures accurate, up-to-date exchanges between users and consultants.

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### Timeline/Task Breakdown

1. **Database Design and Schema Creation—Raff** *(Target: Nov. 10)*
    - **Create schema and tables**: Implement entities in Oracle. Set primary keys, foreign keys, and any unique constraints.
    - **Static Data Setup**: Insert static data for demo purposes if needed to ensure meaningful data is available for testing.
    - **Testing Data Validity**: Validate sample data works as expected with queries
2. **Graphical User Interface (GUI) Development—Mulder** *(Target: Nov. 25)*
    - **User Login/Registration**: Design screens for user registration and login.
    - **Main Dashboard**: Implement a simple dashboard for users to track their vitals, see programs, and view communications with consultants.
    - **Program Tracking & Vital Monitoring Screens**: Design screens/modals that allow users to enter, view, and update health information and monitor program adherence.
    - **Usability Testing**: Test GUI for usability
3. **Backend-Frontend Integration—Parham** *(Target: Nov. 29)*
    - **Establish API Endpoints**: Create API endpoints for front-end interaction with the database, including endpoints for login, user registration, fetching vitals, updating health data, and message exchange.
    - **Connect GUI to Database**: Integrate the GUI with backend endpoints, ensuring each interface component correctly fetches and updates data in the Oracle database.
    - **Final Integration Testing**: Test to validate the communication between the frontend and backend