

**Class:** INFX 543 A

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**Database Topic:** Personal Health Care System

**Mission Statement:**

The purpose of the Personal Health Care System is to allow anyone to access and coordinate his/her health by storing into a database vital information such as blood pressure readings, weight gain or loss, etc. Primary doctors, researchers, and nurse practitioners can use the stored data to analyze and provide feedback to help users manage their health. Also, researchers can mine the data to provide possible insights on data patterns that could affect public health and or better medicine that can help users recover faster.

**Mission Objectives:**

- It will serve as a mean to manage (insert, update, delete) health information.
- It will allow to track (search) easily a specific health issue.
- It will maintain (save) a summary of all of the users that have critical health
- It will serve as a mean to track (search) users that are eligible for new procedures and or new medicine treatments.
- It will allow users to save information about their family medical history.
- It will allow doctors to analyze family history and thus warn patients of possible health concerns.
- It will enable users to save information as issues arise as opposed to waiting till they meet with a doctor.
- It will allow users to generate their health report when they travel whether inside or outside of the country.
- It will allow to create report on health goals set by doctors and or nurse practitioners.
- It will enable users to manage their medications and report when those drugs are effective.
- It will allow researchers to have near real-time information on a pocket of areas that are affected by an outbreak.

- It will allow researchers to help health organizations with providing care where it is most needed.
- It will allow researchers to have near real-time information on the effectiveness of a particular clinical drug.
- It will enable users to manage the cost of the services they receive by comparing with similar services.