This project is aimed to help people understand the importance of their blood pressure readings. By implementing a person’s gender, age, height and weight, the application would be able to provide extensive analysis of one’s systolic and diastolic blood pressures. We want to give users a comprehensive understanding of their blood pressure readings and how it relates to their health.

Motivations and Objectives

- About 1 in 3 American adults have high blood pressure
- Many people are unaware that their blood pressure is high because they associate their blood pressure numbers with a much broader average
- Irregular blood pressure levels may lead to many serious health conditions in the immediate future

Objectives

- Compile a person’s data within the application (Gender, Age, Height, Weight)
- Analyze the data and produce an insightful response to one’s personal health based on their blood pressure readings

Research Challenges

- Initially, one of our main goals was to create a physical blood pressure monitoring device which ultimately failed due to various reasons. This lead us to buying a pre-made device.
- We attempted to automatically connect the pre-made blood pressure monitoring device to the application using a Bluetooth device.
- However, the purchased device was not compatible with our current app builder, even after a contact with the developer.

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References