

Demo: AWSense – A framework for collecting sensing data from the Apple Watch

Katrin Hänsel, Hamed Haddadi, Akram Alomainy

Electronic Engineering And Computer Science – Queen Mary University, London

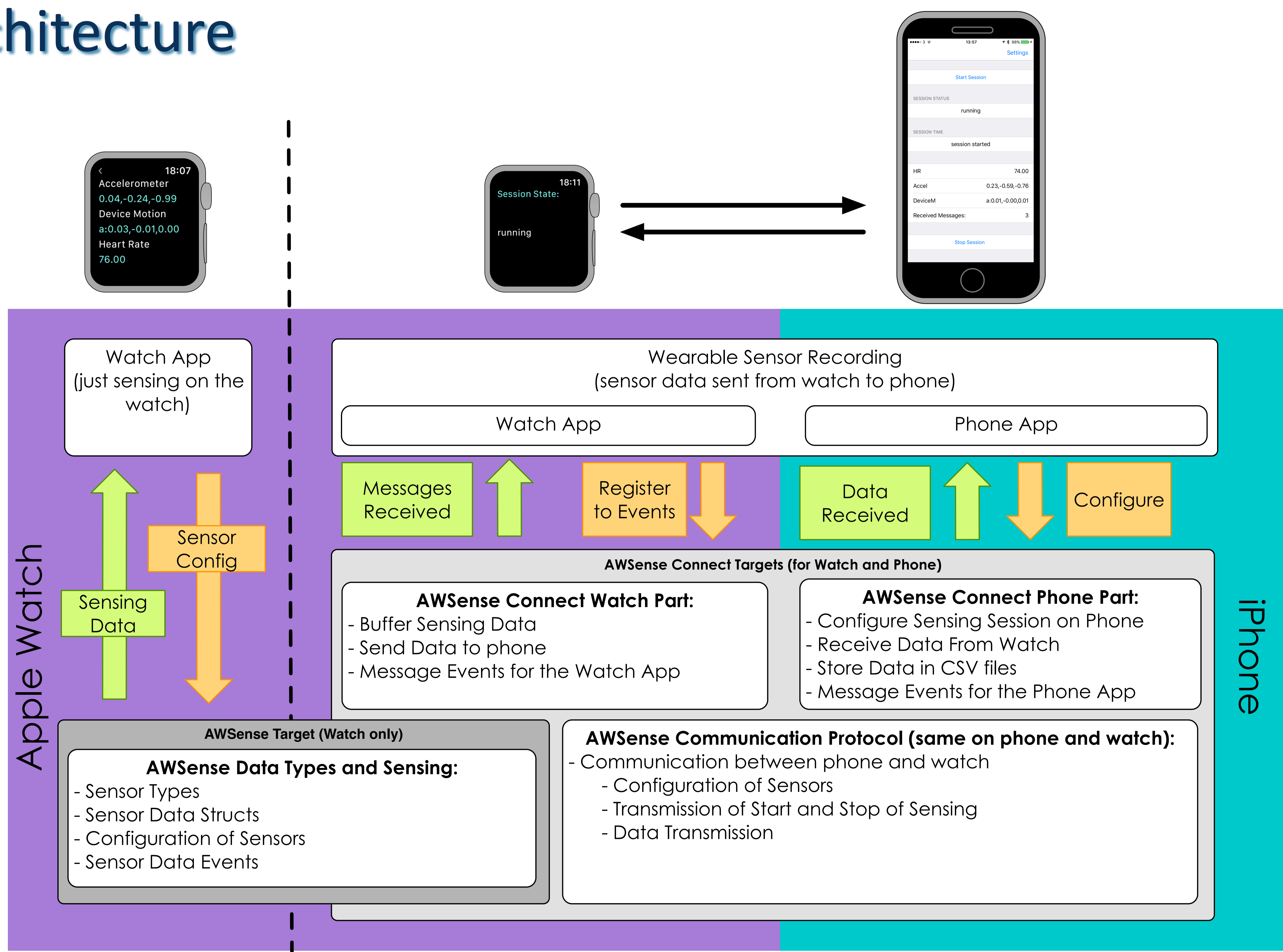
Introduction

- Sensing Library for iOS and Apple Watch
- Easy sensor access from Apple Watch
- Supports data transmission to Phone via own protocol
- configurable

Available Sensors:

- Raw acceleration (including gravity), configurable up to 100 Hz
- Device Motion (computed linear acceleration, rotation rate, gravity and attitude), configurable up to 100 Hz
- Heart rate

Architecture



Demonstration

Apps using the AWSense Framework:

- Real Time Data Presentation
- Data Export
- Use within a psychological experiment

Where to find it:

<https://github.com/MiezelKat/AWSense>

