HeartAware Deliverable Checklist
November 19, 2014

Module	Commitment	Goal	Stretch Goal
Signal Processing	- Sampled digital readings displayed on screen (no processing)	- Smoothed digital readings calculated with local maxima detection implemented for peak detection (e.g. assume peaks occur at every sample that is a maximum over a window of n samples)	- Smooth digital readings calculated with advanced processing implemented (e.g. local maxima calculation in addition to advanced filters to smooth signal) - Detects abnormalities in heart beat, sends to display for further analysis
Display	- Display current status of FSM - Display oxygen saturation waveform	- Display monochrome logo and icons - Display custom font - Render colorful interface	- Longer term data view with averaged heart rates - Animated icons / waveform pre-fade
Audio	- Outputs a sine wave tone briefly during heartbeat peak - Outputs a sine wave tone in error state	- Outputs sampled sounds instead of sine wave tones - Outputs periodic heart rate audio announcer feature	- Volume control with user buttons