

Functions	Solution 1	Solution 2	Solution 3	Solution 4	Solution 5
Attaches to hand/wrist area (non permanently)	Ring	Velcro	Watch Band	Snap Band	Jewelry Clasp
Measures blood pressure	Systolic	Diastolic	Both		
Calculates exercise done	Request information for accuracy	Use averages for our clients	Gather information on movement ourselves	Let client input all information	Recommend other services
Displays results in an easily understandable manner	Screen on device/ app only information (choose one)	Raw numbers	Bar graph	Line graph	Recent highlights/ averages

Note: The only differences in blood pressure measurement is whether you measure between the beats (diastolic), or during the beats (systolic). Thus, we only have three options for measuring blood pressure.

Design Concepts	Concept Analysis
Concept 1 Attachment: Velcro Measurement: Systolic Calculation: Let client input all information Display: Line Graph (App Only)	Concept 1 Pros: Cheap, Easy to develop, Easy to take off/put on, Extremely adjustable Cons: Velcro may wear out, Requires more effort on client side
Concept 2 Attachment: Watch strap Measurement: Both Calculation: Gather information ourselves Display: Recent highlights (Screen on device)	Concept 2 Pros: Easy to operate (put on and go), Easy to understand, Adjustable to a degree Cons: Expensive, Screen may be a weak point, Harder to put on/take off (More dexterity required)

<p>Concept 3 Attachment: Ring Measurement: Systolic Calculation: Let client input all information Display: Raw numbers (App Only)</p>	<p>Concept 3 Pros: Easy to put on, Cheap? (less material) Cons: Non-adjustable, Difficult to take off?, Hard to understand, May get lost, May be more expensive, Less space for batteries/antenna</p>
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