IBM Dementia Band

* Wear on wrist
  + Panic button (sends text message, GPS location, safe places nearby)
  + Customisable call shortcuts
  + Screen?
* GPS for tracking dementia patient location
  + Bluetooth connection to phone
  + Known areas (home, shops, friends)
  + Tracks in unknown areas
  + Directs to nearby places (safe place, known areas)
* Microphone for AI assistant
  + Speech to text
  + Key phrases recognised (“help”)
  + Text input to AI
  + AI recognises/responds accordingly
  + AI text to speech
* Phone connection to carer/guardian
  + Text message during episode
  + GPS location sent (maps app, known location names)
  + Any relevant phrases
* Sensor data for any illness/symptoms
  + Skin resistance/humidity/(temperature)
  + Accelerometer measures arm movement (shivering, running)
  + Skin resistance/humidity for sweating (nervousness, panic attack)
* Android App
  + Node RED
  + Bluetooth
  + GPS location
  + SMS/text message
  + Directions to safe place, known location
  + Panic button
  + Call shortcuts
  + Camera
  + Tests (dd/mm/yyyy, recognise known faces, known passphrases…)
  + Data log