**GOALS:**

* Planning his most ambitious hike that will most likely take several days to successfully complete, but he doesn’t have a lot of info on the trail so any solution to give him more detailed information is wanted
* The hike he is partaking in will not have any electrical stations at the checkpoints
* Having only his phone as his navigational tool this time will be foolish, so he will carry a physical map to alleviate some battery use but will need to keep his phone charged in case of emergencies
* Since this is his longest hike, having a survival guide would be helpful in case something happens but doesn’t want to carry a large book if he doesn’t have to.
* Having only one spare battery in a Power Bank won’t be enough so he is looking for alternative solutions to charge his phone throughout the trip
* Doesn’t want to overburden himself with extra wires and cables that don’t need to be there if he doesn’t need it so alternative solutions to solve his cumbersome recharge tools are needed
* In case his phone runs out of battery, he is looking for solutions to help determine his location and the weather in case he gets lost or needs to reach a nearby checkpoint in a pinch
* Packing a lot of food for the trip but will need a way to help police what he is eating and how much of it so he can determine how far he can travel before his next meal

**SOLUTIONS:**

* In order to save space and require no extra set-up, the device will rest on the user’s wrist
* Our wrist device will be charged through body heat that requires no electrical charge in order to function
* The product does not require extra cables so users can attach their phone to the product and don’t have to worry about dangling wires interfering with daily life
* Our wearable device will feature many functions in its built-in app. Several functions include:
  + Ability to attach and charge phone on the wrist device and can allow user to check battery percent
  + Able to access weather and GPS information along with time information
  + Has access to an onboard Survival Guide that allows users to check on basic/advanced tips for camping/hiking and other information needed for any hiking problem
    - First Aid application
    - How to set up an effective camp
    - Various information on plants/animals relative to the trip user chose
  + Has ability to check up on various parks/trails/ranges and obtain detailed information on them
    - Degree of difficulty
    - Average hiking time
    - Total distance from start to finish
    - # of checkpoints
    - Average amount of other travelers
    - Recommended gear, time of day, and weather time to travel safely

**NAME:** Leon S. Kennedy

**RELATIVE DEMOGRAPHIC INFORMATION:**

* 34-year old hiker
* Spends his free time wandering local parks, mountain ranges, and any other lands he is permitted to travel through
* Typically travels alone but will go with groups for special occasions
* Usually depends on his smart phone to help navigation and determine the safety of each hike he commits to
* Carries a Power Bank to charge his phone in emergencies but usually forgets to charge it due to his forgetful nature.

