Trail Database

- Sometimes service is poor in parks, so this is as effective as a paper map
- Users will want to know where they're going, even offline
- Provide PDFs of trails in SC for downloading
- Provide a way to select the range of the map to download from
- Identify legal areas to have campfires
- Sort by most visited/least visited or busy/not busy?
- Have essential new information for campers (i.e. when fires are allowed)
- Have information on recommended items for the trails (i.e. amount of water)
- Information on how accessible the trail is for various people, for example handicap accessibility
- Distance from where the camper is staying to the start of the trail and if it has parking

Trail Supplies

- Depending on your location, identify stores to pick up camping supplies
- Identify gas stations nearby trails
- Provide a checklist type program to help campers double check they've packed the essentials
- Identify waste disposal areas for the dumping of non-compostable objects
- Identify areas for raft or kayak rentals
- Identify trails with heavy trash concentration
- Provide information about what is and isn't allowed on local trails
- Provide information and reviews about local stores for optimized shopping
- Identify areas to acquire firewood
- Identify areas to acquire bait and tackle

Plant and Animal Datatbase

- Identify poisonous plants in hiking area
- Identify dangerous animals in hiking area
- Allow users to access wildlife data files based on which trail they use
- Identify medicinal plants
- Identify edible and non-edible plant life
- Identify poisonous wildlife and their habitats
- Identify venomous wildlife and their habitats
- Identify safe ways of disposing of waste on the trail in order to not harm the wildlife
- Identify ways to treat venom or poison and medicine to counteract the effects
- Provide contact information for local poison control

Weather Conditions

- Provide accurate weather forecasts for hiking trips
- Provide warnings for weather advisories in the area while hiking
- Provide warnings for when rain is about to happen during a hike
- Add survival tips for being caught in natural disasters
- Warn about rushing water or rip currents near lakes, rivers, and oceans
- Locate shelters within the vicinity of a trail in case of inclement weather
- Provide warnings against heat advisories or no-burn notices in the area
- Provide notices about air quality in the immediate area
- Provide data about what wildlife can be found after a weather event
- Provide the contact information for local first responders in case of a severe weather emergency