User Stories

**- Users can register to become members of the website in order to add resources and sign up for alerts**

**- Logged in users can add resources by selecting a type they would like to add from consumable, health, shelter, and fill in relevant details.**

**- Users can filter resource tables by unique attributes e.g by expiration for consumables, cost for health services.**

**- Resources can be sorted by date added, expiration date, cost**

**- Users can view the details of a resource and resources associated with the requested resource if applicable such as services associated to a healthcare resource.**

-Using a map API like MapQuest/Google Maps, user's can click a city on a map and resource tables will be filtered by city/various granularity.

-Using a phone service API like Twilio, can provide alerts to users in a given area for new local infections/resources using an admin dashboard

**- Added resources would be validated based on the category they are added to e.g consumables are not expired, shelter has positive vacancy updates**

**- Users can display statistics based on infections in their area including count, and infection rate compared to city population.**

Data Model Additions

* User table with location,contact
* Generic resource table with description
* Consumable resource table with qty,expiration that references generic
* shelter resource table with available occupancy, cost, address
* testing/health resource table with avg cost, specialty services
* **All specific resources such as consumables, shelter, healthcare etc. would follow a non-overlapping one-to-one Is-A relation with the generic resource table.**
* **Some resources may have many to one relationships e.g health resources may have referencing services**
* **Services would contain est. cost/wait time/description**

Minimum Viable Project

All resource collection functions including assisted filtering using map API without phone alerts.