Resources

rid

rname

rprice

Address

city

street

zip code

qty

N

1

N

requests

supplies

belongs to

N

Users

uid

type

fname

lname

phone

1

N

qty

qty

N

(Covers the Supplier entity)

pprice

1

1

purchased

done by

N

N

owns

Credit Card

cid

cnumber

cexpdate

credit\_limit

Purchase

pid

sid

ptotal

pdate

N

1

used in

N

Ice

rsize

Dry Food

rtype

Canned Food

rtype

Baby Food

rage

rflavor

Medication

rtype

Water

rtype

Fuel

rtype

ramount

Heavy Dev

rtype

Batteries

rtype

Tools

rtype

Power Gen

rpower

rsize

Medical Dev

rtype

Clothing

rtype

rsize

R-E Model Overview

All the resources have their own entity which has specific details for each of them, and are all connected to the “Resource” entity which has their resource ID. A user can request resources only if they’re a person in need (determined by the user type). Users can only supply a resource if they’re suppliers. Each user has an address that is used for the Senate Region function while also having extra details like the street they live in. Purchases will have the user’s ID and the resource’s bought ID so that the purchase can be tracked down (wasn’t sure how to represent it in the diagram). The credit card ID isn’t required since they are linked to the user’s ID.