**Big Picture Functionality –**

* List of Plants
* Design Garden
* Recommend Plants
* Manage User (register/login/update/delete - w/Admin User and Customer User Types)
* Review Plants
* Purchase Plants (Includes cart, payment information, pickup scheduling – must have logged in Customer User)

**Actors -**

* Admin User
* Customer User

**Data -**

* **User has**
  + 1 zone
  + 1 to many gardens
  + 1 phone
  + 1 email
  + 1 password
  + 1 username
  + 1 firstname
  + 1 lastname
  + 1 address
    - Street
    - 2nd Street
    - City
    - Zip
    - State
  + List of favorite plants
* **Garden has**
  + 1 region
  + 1 condition
    - Conditions include
      * How much water
      * How much sun
      * Soil type
  + 1 to many plants
    - Each plant has a coordinate
  + 1 User
  + dimensions
* **Plants Have**
  + Zone
  + Perennial/Annual
  + Water needs
  + Sun needs
  + Soil needs
  + Description
  + Growth Habit
  + Max Width
  + Max Height
  + Bloom Time
  + 1 to many gardens

**Ecommerce Data –**

* User Cart
  + 1 user
  + 1 to many plants
  + Payment information ?
* Tax Information?

**Reference Sources –**

<https://planthardiness.ars.usda.gov/>

<https://thebackyardpros.com/types-of-soil/>

https://www.thespruce.com/gardening-4127780