USE CASES

# Phenotypes

1. Search for trial/study (ISA) by name or description to get list of lines/cultivars and traits/phenotypes being measured:
   1. Trial name
      1. Trial description
      2. Plant lines/cultivars
      3. <Traits/Phenotypes>
         1. Name
         2. Trait description
2. Search for cultivars by its name:
   1. Cultivar name
      1. <Trials/Studies>
         1. Number of trials
         2. Locations
         3. Dates
      2. <Traits/Phenotypes>
         1. Name
         2. Trait description
3. Search for trait by name or description to get list of trials:
   1. Trait name/description
      1. Ontology terms
      2. <Trials/Studies>
         1. Name
         2. Description
         3. Year
         4. Location

In the future we would like to present also aggregated statistics of specific measurements

1. Search for a trial
   1. List of traits
      1. Summary stats (min, max, median, mean) of a trait for each group defined by design factors(treatment)