Each record needs (at the very least):

- Name and ID number of submitter
- Date
- Coords
- One to three images

Best practice/luxury records of all possible data might include:

- Name and ID (register via url to webpage, enter in credentials that the app remembers and applies to all records).
- Language preference

Date and site descriptions

- Date from system (Is there a way to check this is accurate – GPS signal is highly time sensitive and may have an accurate date even if the phone is not?
- Coordinates off GPS (showed some people the "OSM tracker" app I use that does not let anything further happen unless the GPS has a lock and updating the coordinates).
- Altitude (I think most GPS modules also determine altitude and it would be good to capture this information when available)
- Coordinate and altitude accuracy (if possible)
- Designate Country (from a drop down list?)
- Designate Province (restricted to province of the country depending on country selection – not sure how easy it is to find this…)
- Enter name of nearest town
- Enter description of the locality
- Environment description (pick from drop down menu – not compulsory)
    - Afrotemperate forest
    - Albany Thicket
    - Alpine
    - Aquatic
    - Coastal dunes
    - Cropland
    - Desert
    - Dwellings
    - Eastern Coastal Belt Forest
    - Estuaries
    - Fynbos
    - Gardens
    - Grassland
    - Littoral
    - Mangrove
    - Marsh/swamp
    - Montane
    - Nama Karroo
    - Plantation
    - Renosterveld
    - Savanna (arid)

- o   Savanna (moist)
- o   Strandveld
- o   Subantarctic tundra
- o   Succulent Karroo
- o   Tropical rain forest
- o   Urban parkland
- o   Urban wasteland
- o   Wetland
- o   ….. a few more possibilities perhaps

Record details

- Select project
  - o   BirdPIX (Bird pictures)
  - o   BOP (Birds with odd plumages)
  - o   DungBeetleMAP (Dung Beetles)
  - o   EchinoMAP (Echinoderma)
  - o   FishMAP (freshwater fish)
  - o   FrogMAP (Frogs)
  - o   LacewingMAP (Neuroptera: Lacewings)
  - o   LepiMAP (Butterflies & Moths)
  - o   MammalMAP (Mammals)
  - o   MushroomMAP (Mushrooms)
  - o   OdonataMAP (Dragonflies & Damselflies)
  - o   OrchidMAP (Orchids)
  - o   PHOWN (Weaver nests)
  - o   ReptileMAP (Reptiles)
  - o   ScorpionMAP (Scorpions)
  - o   SpiderMAP (Spiders)
  - o   TreeMAP (Tree Atlas)
- Images (up to three) from gallery or activate camera. Option to crop images (most phones have relatively wide angle lenses). Option to review images to check focus?
- User suggested ID, not compulsory (open box, or pick from a list 3300 names on the list!)
- Buttons for flowers present, fruit present
- ==Button for presence/absence of scent (field to enter description?)==
- Number of individuals observed (pick from list):
  - o   1
  - o   2-10
  - o   11-100
  - o   101-1000
  - o   1000+

- Natural or cultivated? (pick from list):
  - o   Naturally occurring
  - o   Cultivated (street, park, garden)
  - o   Invasive
  - o   Reintroduced

Growth form
- Trees (Phanerophytes)
- Shrubs (Phaenrophytes)
- Dwarf shrub
- Liana
- Creeper
- Epiphyte (growing on other plants)
- Lithophyte (growing on rocks)
- Chremnophyte (growing on cliff faces)
- Geophyte (growing point below ground)
- Helophyte (marsh growing)
- Hydrophyte (mostly submerged)
- Annual (Therophyte)
- Herbaceous
- Graminoid

Box to enter other observations (pollinators, herbivores, etc.)

Possibility of linking two separate records in the "que" to be uploaded and to flag the link as one of a number of different interactions:

- Pollination
- Herbivory
- Fruit dispersal
- Parasitism
- Predation
- …etc.