**Development Focus Group Notes**

*These notes cover the development focus groups and resulting user feedback acquired through three focus groups covering requirements gathering and Minimum Viable Product (MVP) Review. The focus groups formed the basis for the application’s requirements and iterations to achieve a final product that aligned with user needs.*

**Initial Focus Group, 6/18**

**Objective:** Review OpenFDA Datatypes Descriptions to Brainstorm possible Application use cases that would be useful.

**Focus Group Attendees**: Brandon Payne, Paul Yeh, Helen Zhou, Arya Salem, Thanh Dinh

**Project Team:** Kevin Sadeghian, David White, Phil Stroh, Paulo Ordoveza, Adelia Nichols, Ben Franzini

Reviewed Dataset descriptions and discussed possible uses:

* + Drugs Datasets
    - Adverse Events
      * Useful to understand age of patient that event occurred to. Maybe events would be shown to you based on how old you were?
      * Possibly location occurrence trending?
      * Manufacturer Type, maybe scan drug label and any adverse events of that manufacturer are returned?
      * Allow user to search for a drug and get back adverse events that have been record? Maybe search for multiple drugs to see all adverse events?
      * Search for adverse events and see what drugs have caused them, maybe view drug information, manufacturer, active ingredient etc…
    - Labeling
      * Ability to over the counter drug label and get label information back?
      * Label search by manufacturer
      * Retrieval of box warnings or search returns drugs not to mix with this drug.
      * Prescription drug search for effective time, dosage amounts?
    - Enforcement Reports
      * Search for drug recall information. Ability to enter all drugs you are taking and receive push notifications is a recall is issued for any of those.
      * Subscribe to all alerts, alerts by geographic location, or manufacturer
  + Devices
    - Adverse Events
      * Similar possible uses as drug adverse reports, age based, geographic based, manufacturer based.
      * Search for medical procedures and app would look at events use in that procedure and return adverse events, this would be tough would need external dataset with procedure to device mappings.
      * Device adverse event from different timeframes.
    - Enforcement Reports
      * Same types of stuff as for adverse events
      * What about frequency of reports over time to show how many reports are being submit as was to view effectiveness of FDA datasets?
      * Breakdown of who initiated.
  + Foods
    - Enforcement Reports
      * Food recalls push notifications based on location.
      * Recipe search to say what items in your recipe have possible recalled foods to avoid.

Deeper Discussion around adverse events drug searches based application. How would this application operate? What feature would exist?

* App could let you to get on adverse drug interactions from the FDA’s online database.
* Users can select a drug, maybe more than one from a list, and view the possible adverse reactions involving their particular selections.
  + - Maybe display on a table or graph or map?
    - number of past occurrences,
    - additional drugs that can contribut to the adverse reaction.
* Can select one or more adverse reactions from a list, to get similar results of drug that might have caused it
  + - Returns drug names,
    - Maybe view label information
    - this output shall include the drug combination, charts displaying the number of past occurrences, and other possible adverse reactions based on the drug or drugs noted.
  + The information the search returns should be interactive,
    - drill down capabilities
    - additional lists and graphics,
    - hovering over particular elements

**MVP Development Focus Group, 6/24**

**Objective:** Review the MVP functionality of application to discuss intuitiveness and usefulness

**Focus Group Attendees**: Brandon Payne, Paul Yeh, Helen Zhou, Arya Salem, Thanh Dinh

**Project Team:** Kevin Sadeghian, David White, Phil Stroh, PauloOrdoveza, Adelia Nichols, Ben Franzini

**Drug Search**

* You have to scroll a lot to find the drug. Autcomplete options would be nice.
* Can we enter more than two drugs?
* Where is this information coming from? There should be some “About Info” to tell what the source of data is so that users know.
* Needs to have a clear header
* On search results is there any way to filter? Alphabetically occurrences?
* It would be nice to have a graphed version of the results.
* A couple times when I hit back the fields did not clear

**Reaction Search**

* Similar comments to the drug search for display. Autocomplete, more than two reaction entry, etc.
* Many of the drug names are indecipherable. You should be able to click on a drug name and get additional information.