# FDA Dashboard

### Broad Objectives for Scraping

* Scrap entire FDA website using normal approach
* For negative results based on “more than 500” error, take the firm name “AA” approach
* De-dup the entries and insert into MDM schema
* Scrap daily to find new licensed retailers/ distributors
* Ensure scraping runs daily and update if any changes occur on their side
* Ensure every information set is properly parsed and passed onto MDM

### Categorisation

* Based on type of licenses, categorise the firm into three buckets:
  + Capabilities: (multi-choice is allowed)
    - Can sell Allopathic Drugs?
    - Can sell Ayurvedic Drugs?
    - Can sell Narcotic Drugs?
    - Can sell Homeopathic Drugs?
  + Configuration: (any one)
    - Is a retailer only?
    - Is a distributor only?
    - Is a retailer with distributor license also?
  + Ownership: (any one)
    - Single Firm — If mobile number is unique to this store across the entire FDA DB
    - Chain of Firms - If mobile number is repeated across multiple firms in the FDA DB

### Spatial Information

* Work on the algo to populate the geocode for the said firm based on firm name, address, city etc.
* Create a make checker approach for geo-code population similar to MDM
* This will enable complete geo-coding of retailers and distributors across India
* Once, we have successfully mapped all firms in a particular geo-hash or neighbourhood or city, we figure out other points of interest nearby and link them to the firm:
  + Any hospitals in an “x” km radius?
  + Any Doctors in an “x” km radius?
  + Any Clinics in an “x” km radius?
  + Any Diagnostic centre in an “x” km radius?

*We need to figure out if MapMyIndia or Google gives such pints of interest APIs*

### New Firm On-boarding and Compliance

1. When a new retailer is found in the daily scraper:
   1. We must send a notification to Ascent for capturing the retailer as a customer
   2. We must send a notification to OMS marketing team to capture retailer as a customer
   3. We must send a notification to mobile no of firm owner informing about our products with product link etc.
2. When a firm is nearing end of drug license validity:
   1. We must send a notification to mobile no of firm owner informing about the validity date nearing expiry
   2. We must send a notification to Ascent informing about the validity date nearing expiry
3. When a firm has expired drug license:
   1. We must send a notification to mobile no of firm owner informing about the expiry of drug license
   2. We must send a notification to all firms transacting on our portal with this “firm” informing about the expiry of drug license and to cease sale/ purchase from the said “firm”