Macquarie List Automation

# Product Vision

The goal of the Macquarie List Automation System is to prevent the burden of manually updating the incomplete data of the Macquarie list. The data extraction process can be automated by using API’s. Additionally, this prevents human error, provides the history of reports (Quarterly) with feedback and also saves time. This process would be very helpful to decide if we are taking up the business or not. Most of this can be accomplished via a simple web based front-end application that is accessible to mobile and desktop users. The quarterly reports can be stored and retrieved online for references.

# Phase 1 (4-6 weeks)

## Access to Macquarie data, importing it & flagging

Talk to our business leaders to understand how they would like to see the data represented and thinking about how to integrate it with our system (mostly excel format). The initial Macquarie list data would be incomplete. A prioritized product backlog will be created to properly manage the scope and will include features that are not slated.

As we discussed in the meeting held on 06/09/2017, flagging process would be taken care by the operations team and this will be done manually. The Macquarie accounts will be highlighted /marked.

## Data extraction from the web (using API’s)

There are websites like S&P Capital IQ, Dun & Bradstreet. We get the data from these websites that is necessary to complete the incomplete Macquarie list details (e.g. Address, public/private and more). For the Automation of this process, we will need to figure out the best API’s that can be used. The website is bit complicated to use API’s. We have seen the demo of manual data extraction by screen scraping.

# Phase 2 (4-6 weeks)

## Web Front-end Mock-up

Includes all the front-end development to mock-up the screens as we look to complete the horizontal build. It also includes creating an initial database schema and time for Q/A. We will need to document the current workflow and think the best way to portray the whole process/activity on the web.

## Report Generation & Review

We will look to retain the simplicity of the current workflow while generating the report. The report can be generated in one format initially. In future, the report can be generated in multiple formats. As soon as we generate the report, it’ll be reviewed by an underwriter. This would help us analyze the data.

## Design & Build Database Schema

*MASTER TRACKER:* The generate report will be published to the division heads using the front end web application. Feedback will be taken (Interest & Reasons). Then, the inputs are stored in a database according to the asset name. A fresh report will be stored/ generated at the end. The hit ratio can be recognized. We are yet to recognize the Image Write capabilities so that we can use it here.

## Finalize the Application

This effort completes the working application. This includes finalizing the UI, adding business logic and populating the database. It also includes time for regression testing and bug fixes. The report will be reviewed by the underwriter before submitting it to division heads.