RealTimeFinder.io

Functionality

This application is designed to help the user find products he requires along with the shops they are available at and also in stock in Real Time.
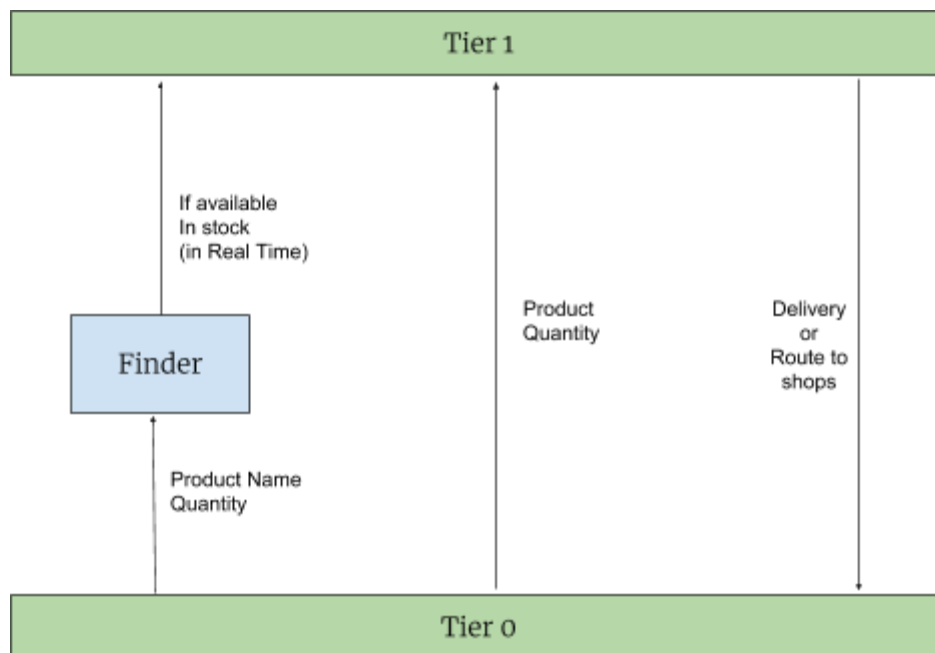
Tier 0: Consumers
Tier 1: Retailers
Tier 2: Wholesalers
Tier 3: wholesalers of a larger magnitude
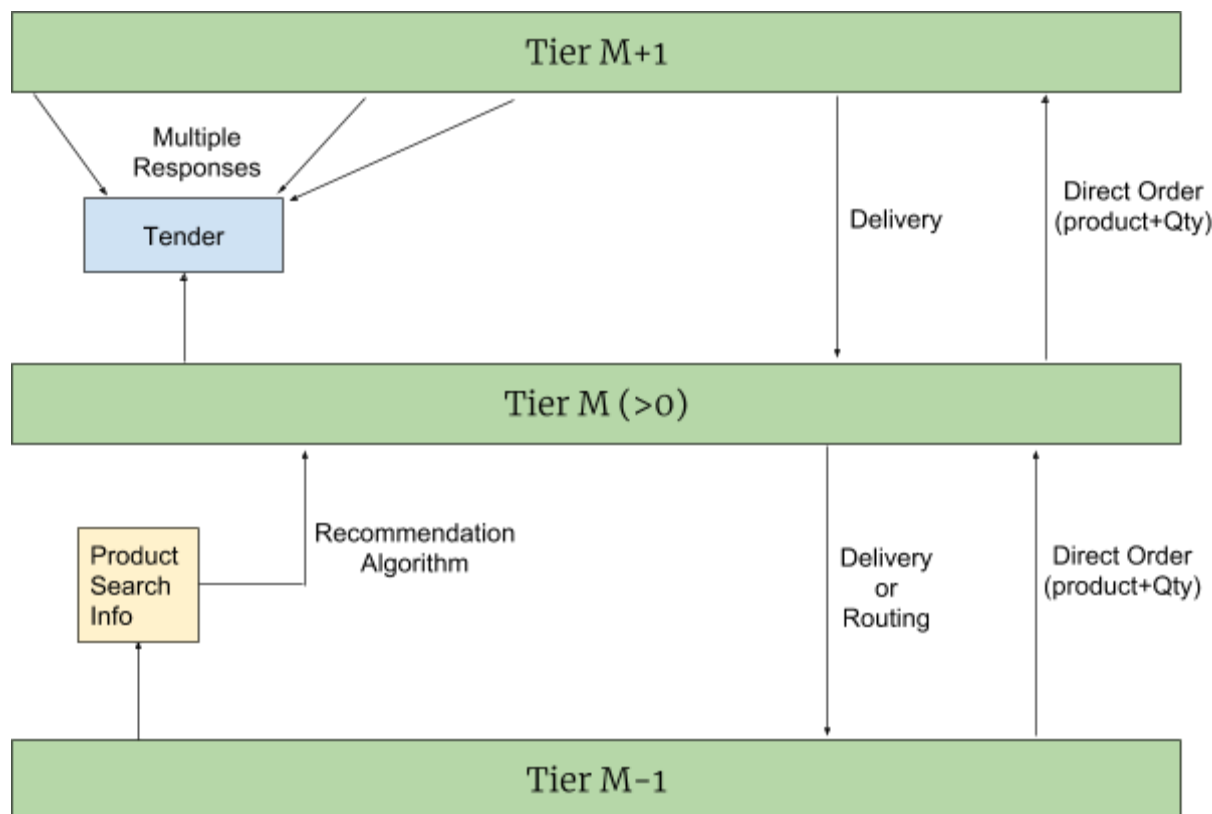And so on

For Consumers / Users:

The User can search for the required item by Name and specify the quantity, the app then returns the results of where the item is available in desired quantity (in stock) at that exact moment. The user now has a choice of using the inbuilt route directions to pick up the order himself or get it delivered to his location.

For any other tier other than Tier 0:

For users above level 0, The user can restock / buy from the Shops in the Tiers above him via the following ways:
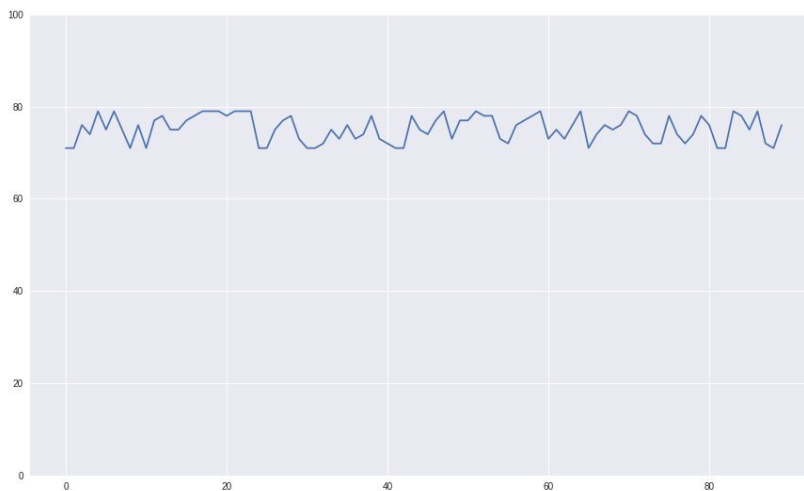He can either agree to the listed price and place an order with the desired quantity or
He can Issue a tender specifying the products and quantities respectively and let Users of Tier (M+1) send in their respective quotes.
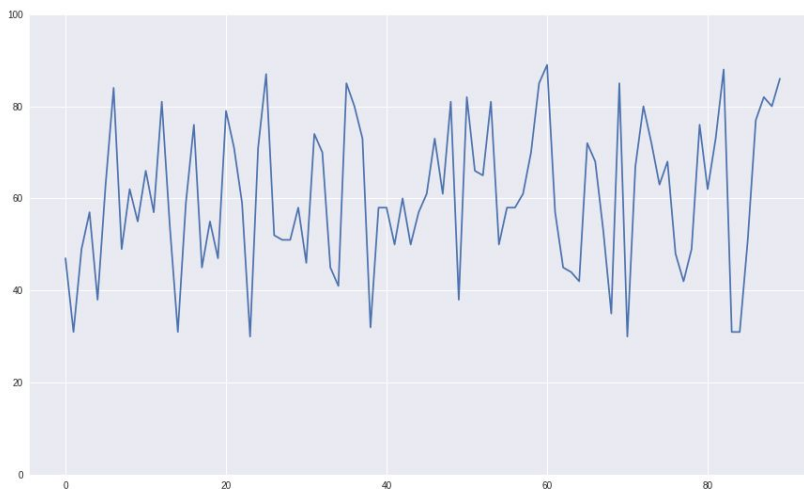
Tier M+1

Multiple Responses

Tender

Delivery

Direct Order
(product+Qty)

Tier M (>0)

Product Search Info

Recommendation Algorithm

Delivery
or
Routing

Direct Order
(product+Qty)

Tier M−1

The Recommendation algorithm:

For Users of any Tier other than Tier 0, there exists a recommendation algorithm which uses past usage data from all users and recommends shopkeepers to keep certain products to increase their sales.
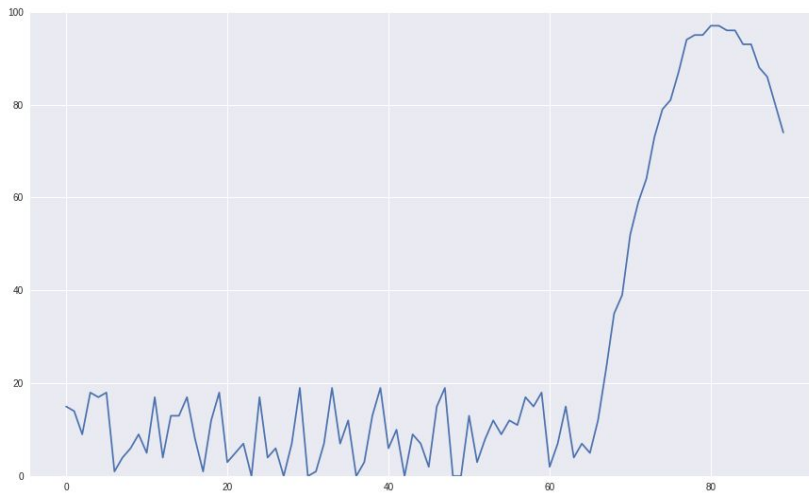Shopkeepers can also visit the trending area to see which products are trending and accordingly keep those in their inventory. Any user also can check the popularity graph or "trend" of a certain product of the past 90 days via the statistics section.

Graph of a Bestseller Item

Graph of an item where no trend can be deduced

Graph of a currently "Trending" item.

(these are the ones that are recommended)

The UX:
The application has an inbuilt feature to handle inventory and sales records for stores where they can handle sales transactions. The application automatically extracts data from that and updates online databases to use for further queries by end consumers.