



# Specification

## Distributor

## End User

- User Accounts (TODO: properties) ←
  - Get list of products ✓
  - Add new product ✓
    - Name
    - Desc
    - Inventory Count
    - Weight / Size / Dims
    - Sale Count
    - Image/video links
  - Update existing product ✓
    - All keys
  - Frontend
    - Web dashboard
    - React
    - Show fulfillment [for all products]
    - Graph sales vs time (not date)
    - Add product ✓
    - List products ✓
    - Edit product ✓
- Mobile
  - Flutter
  - Log in / Sign up
  - List products ✓
  - Buy products ✓
  - Modify wallet (mock) ✓
  - Review product ✓

# Dynamo DB

# Objects

Table: "item" primary key  
"id" range key

## User

- Email Addr.
- Password (SHA-256)
- is Distributor (BOOL)
- wallet (DBL)
- item: email addr  
id: 0
- Name

## Routes

- All POST routes have data specified in JSON format
- All authorized routes have email/pass specified as part of JSON payload ("auth")

- POST  
- /users/signup  
- email, pass, Name
- POST  
- /users/updateWallet  
- auth, value
- POST /products/:id/key  
- auth, value
- POST /products/:id → - seller Email
- POST /products  
- auth, name, desc, links, metadata
- POST /buy  
- auth, seller Email, id, amount

## Product

- Name ✓
- Price
- Desc. ✓
- Media links (string set) ✓
- Inventory count
- Sale count
- Weight / Size / Dims. ✓
- item: email addr  
id: 0+n
- reviews (obj array) ✓
  - reviewer email addr.
  - star count
  - text
  - timestamp

sales!  
(obj array)

- POST /review  
- auth, seller Email, id, stars, Value

VI -  
will be  
modified

# Specs $\longleftrightarrow$ API

## Story

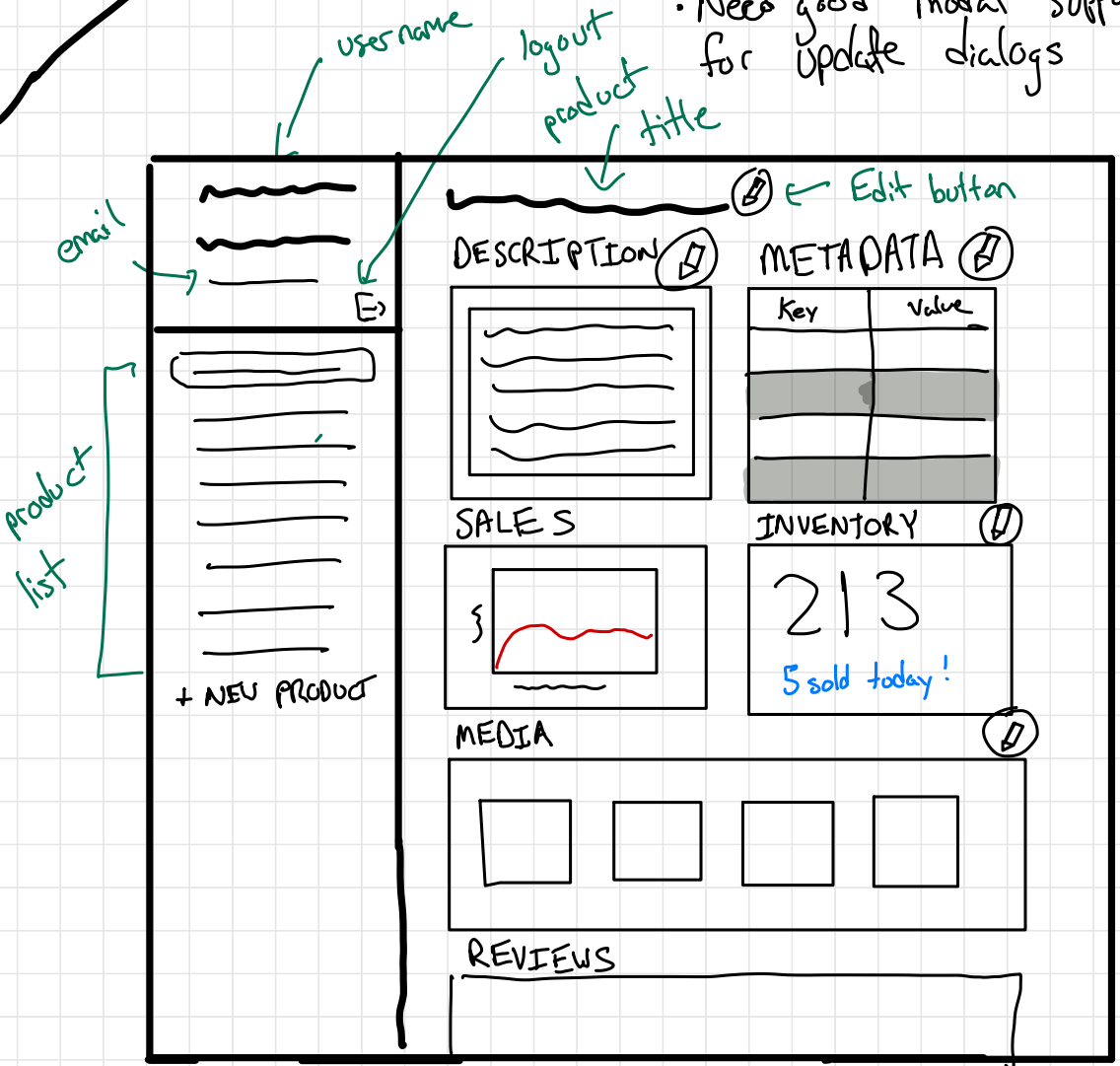
- Distributor / user can view products
- Distributor can add products
- Distributor can edit products
- User can buy products
- User can review products
- Distributor / user can list products
- Modify user wallet
- Users can sign up

## Endpoint

- POST /products/:name/:id
- POST /products/:name
- POST /products/:name/:id/key
- POST /products/:name/:id/buy
- POST /products/:name/:id/review
- GET /products/:name
- POST /users/:name/wallet
- POST /users/signup

# Distributor Dashboard

- Use React
- Victory.js for bar graph?
- Bulma or Bootstrap for CSS framework
- Need good modal support for update dialogs



# Uses Mobile APP

- Use Flutter
- Not shown: sign in / sign up
- Use GGD as reference

name  
wallet

Welcome, [→]

\$ 

Enter a distributor name to view their product listing:

\_\_\_\_\_

\_\_\_\_\_

x Wallet Update

\$ \_\_\_\_\_

Current Value

\_\_\_\_\_

New Value

\_\_\_\_\_

distributor name  
product name  
product price

x \_\_\_\_\_

☐ \_\_\_\_\_

☐ \_\_\_\_\_

☐ \_\_\_\_\_

☐ \_\_\_\_\_

☐ \_\_\_\_\_

☐ \_\_\_\_\_

product name  
buy

x \_\_\_\_\_ 

\_\_\_\_\_

.....

DESC | SPECS | REVIEWS

+ Add Review

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

product name

x \_\_\_\_\_

☐ \_\_\_\_\_

QUANTITY

0 ● \_\_\_\_\_

After this, you'll have \$ \_\_\_\_\_ in your wallet.

**BUY (\$~)**