Project Proposal
Project Name: **SellMe**

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Project Proposal: Online Based Consignment shop (retailer where you can purchase marked down, or discounted items that would normally be sold at a higher price from the original retailer.) This database could be integrated with computer networks, as well as a mobile app that could be accessed through ***Apple*** App Store, or ***Google Play Store*** for Android Products. This app, or database would appear similar to other customer focused consignment apps such as (*Depop, or StockX*)

Name of Database/App/Website: **SellMe**

Project Overview: This system will grant frontend users access to the app for no cost, and there will be two different entry points to the database

- **First**: Frontend consumers (customers for the online vendors based off the database)
- **Second**: Frontend Vendors (those who are selling their consigned items, and provide a fluid, and refreshing marketplace for the frontend customers who are seeking items that they do not want to purchase at full market price elsewhere)

The project will allow for there to be an open marketplace where individuals can both **shop**, and **sell** verified products from a range of designers when they are not looking to pay a full price. This database would allow for (frontend consumers) to shop and be able to purchase discounted items from (frontend vendors.)

The database will allow for the **SellMe (**end users) to monitor what is **available**, what items have been **sold**, what items are **trending,** and based on previous purchases what you would like. The (end users) will be able to monitor forecasts/profits/cost sharing through the independent vendors. The end users will be able to see which vendors are shipping at what date, and time as well as ensure product availability is being kept up to date and that orders are being fulfilled within a guaranteed (7-day from purchase shipped guarantee)

Project Description: This database will allow for the president of the company to review policies, popular items, shipping times and output, as well forecast what products need to not be further uploaded due to product overload. This database will also allow the president to view customer reviews, and view which vendors are abiding by the company policy of a (7-day from purchase ship guarantee) which is a clause signed at the time of enrollment into **SellMe**.

The front end user will be able to access this database from both computers and mobile devices. The frontend user will create an account based on the following **metadata** (username, password, email address, home address, phone number, and ***if joining to be a vendor they will need to upload a federally issued photo identification either passport or driver license.)*** The front end user will be prompted at the time of login whether they are joining the database as a **consumer** or a vendor. The process for a **consumer** is listed above under **metadata.** The **vendor** portion of the site will be prompted to follow the input of additional metadata in order to be a verified vendor on the database.

Detailed Description:

- ➔ The front end consumer will be available for anyone to view, and join. In order to view the available products the individual will be prompted to login in with both username, and password. The individual must create an account in order to access the available product. The *database system* will verify if the user is activated by **User_table**. The database system will determine if they are fit or activated to enter/join the site and then will be able to access the main page (open marketplace.) This is what a consumer would view when wanting to access the products, and vendors on the site.
- ➔ The front end vendor will follow the same process to access their account, and site information. The vendor will have access to both the consumer database (products, availability, and trends,) and the vendor portion of the database (current orders, pending orders, shipment information, and "profit" they have earned from selling with **SellMe.**

- ★ The end user will be able to access the site for both consumer and vendor, but will also be able to see authorized access only information (implemented user constraints.) The end user will be able to view the **1**. Top vendors, **2**. Production Ratio, **3**. Data drawn from competitors in regards to what they are doing to increase sales, **4**. Company profits in the selected quarter, and **5**. Forecasts/Seller Trends
- ★ The vendor information will allow for the **end user** to see what areas are using the app the most, what style of products are being purchased the most often, what vendor is selling the product (ties in w/ forecasts,) and which vendor is selling the most items, and the most frequently.
- ★ The end user will be able to access consumer information that has allowed them to be successful. The end user will be able to access essential **metadata** including average age of consumer, frequently purchased designers, customer queries and support questions, and in the referral section this would allow for the end user (president, and executive board to view where the majority of their consumers are being redirected/advertised from.

- ❖ **Important Distinction:** Vendors and Consumers will be able to access the database system in the same method (Mobile App, or Website.) The only difference is that vendors will need to provide additional data in order to be able to sell, and be a vendor on the SellMe marketplace. Therefore, both **vendors** and **consumers** will be deemed as **front end users**
- ❖ **Secondary**: The **end users** will be those who are neither selling, or purchasing and have licensing rights to obtain sensitive information such as profits, overall data, and forecasting trends.

Database Schema :

User Table - Consumer

Username	**Password**	**Name**	**E-mail**	**Phone Number**	**Address**

User Table - Vendor

Username	Password	Name	E-Mail	Phone #	Address	Last 4 # of SSN

- ➔ **Important Distinction Consumer v Vendor Table:** The only difference between the consumer and vendor table is that the vendor table will ask for the Last 4 Digits of the vendor's **SSN**. The reason the Vendor table will ask to authenticate the last 4 digits of the social security number is they are profiting from the database and the company will need to report **taxable income from SellMe.** Social Security will also be able to authenticate, and individualize the vendor, and will ensure they are in compliance with company's standards, and will allow us to connect a vendor, and place **constraints** from them creating accounts further as the name and SSN will be authenticated.

Customer Table

Name	Phone Number	Address	Customer ID	E-mail	Product's Identifier

- ➔ The product's identifier will allow the front, and users to see which product was purchased which would tie in to both front and end users. The front end user will be able to see updated quantity and availability of the product they want to purchase. The system could activate a (-5) availability of product and since the **alert** will say there is 5 less than there actually is this would prompt the consumer to purchase the product quicker if they have true interest. The end user will be able to easily track the inventory, as well as forecast by the product's category by how the product is grouped.

Order Table

Product Identifier	Item #/ (s)	# of items	Date Shipped	Date Received	Address

- ➔ The order table would allow for the database to keep track of the order's placed, and where the product will be going. The **Order Table** will be more efficient for the end users, and the ones who need this metadata in order to ensure products are being sent by

company guidelines, and deadlines. This will also be to alert end users what products are being purchased in what quantities, and how to forecast what products the database wants, and what are the best profiters.

Product Table

Product Name	Product #	Category of Product	Quantity	Product Description

Summary

SellMe is an online database that can be accessed through both computers, and mobile devices. The premise of this database is to be able to freely sell, and purchase consigned products at a discounted price in comparison to the original price of sale. **SellMe** provides a flawless communication system between **consumers and vendors.** The communication will be carried out through an instant messaging system that allows for consumers and vendors to communicate directly about the availability of a product, and if the vendor has anything similar to the desired sold out product. The database will be able to distinguish availability of products, and this will relay the information to **end-users** where they can forecast what products are available, and most importantly most sold which allows the company of the database to determine what products they want more of. The **front end** users will be able to distinguish at the time of joining whether they will be joining as a consumer or vendor. If the guest wants to become a consumer on SellMe then their information will be submitted in accordance with the User Table - Consumer. If the guest wants to become a vendor they will need to continue with additional information such as **Government Issued Photo I.D.,** and **Last 4 Digits of SSN.** The vendor will have access to the same data as the consumer but will need to verify metadata so the database can ensure and track that the vendor is abiding by company placed guidelines, and deadlines in regards to shipping information. The **end users** will be able to review, and ensure through collected data that the **vendors** are following company policy in regards to fairly, and truthfully reporting condition and authentication of the **consigned products.** The **end users** will be able to also forecast fashion trends, as well as revenue and gains by (**quarters, semi, or annually.)** The end user also has the ability to hold licensing rights which will allow them to review the honesty, and proceedings of both consumers and vendors.