

# Project Planning Report

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**Project Name:**

**Multi Vendors E-Commerce Store**

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## 1 Abstract / Overview of Project:

### 1.1 Current support for E-Commerce Store:

- The COVID-19 crisis accelerated an expansion of e-commerce towards new firms, customers, and types of products. It has provided customers with access to a significant variety of products from the convenience and safety of their homes and has enabled firms to continue operating in spite of contact restrictions and other confinement measures.

### 1.2 Multi Vendors E-Commerce Store:

- Simply, this is when a business uses online platforms and websites to purchase goods from suppliers at a wholesale price. These platforms offer access to a variety of potential business partners. If you're a retail business owner that feels your wholesaler or supplier is no longer meeting your needs, these platforms can help you find different suppliers who are more in line with your requirements. Similarly, these platforms can also be useful if you're looking to diversify your product line.
- The supplier can easily add products and also can act as a customer and can buy products from other suppliers.

### 1.3 Goals/Vision/Mission:

- The online world is growing fastly it's important for us to update with the passage of time. Keeping in mind the importance of online growth we also have the **vision** to build such an online store which provides facilities to buyers and sellers having some new features which are not yet in the internet world.
- Increasing traffic is probably a great **goal** for us. For pretty much every website, accomplishing whatever it's meant to do requires people to visit the site. For increasing the traffic we work hard on our website to make it beautiful and attractive as much as possible.
- Our **Mission** is Digital Success right from the Start. With vitality, enthusiasm, and professionalism we build up our digital business.

### 1.4 Benefits:

- Increase in customers because of higher outreach
- The brand will grow faster
- Multi-channel sales
- Evaluate possible competitors
- Increases opportunities for promotion
- Allows you to have direct customer contact
- Mobile commerce accessibility
- Consistent 24-hour accessibility

#### 1.4 .1 Features of Our Project:

- Manufacture can Direct sell
- Multi vendors functionality
- Vendors can act as both seller and buyer
- Unit Pricing and profit/ Balance get
- Expenditure/amount paid by the user
- Recommended product/similar product
- KM calculation based on the user location
- Google map, distance calculations

## 2 Implementation:

### 2.1 Overview:

- **Front-End:**
  - (i) HTML5
  - (ii) CSS 3
  - (iii) JavaScript
- **Back-End:**
  - (i) Django
  - (ii) SQLite (faster, more compatible with django framework)
- **Problems Faced:**
  - PHP (hard to understand its syntax)
  - Tkinter ( problem with multiple vendors registrations)
  - Django (Mysql is not easily compatible)

### Instructions / Procedure:

- **Public User:**
  - (i) Search Product
  - (ii) View Product
  - (iii) Create User Account
  - View categories
- **Sign up User :**
  - (i) Username
  - (ii) Password
  - (iii) email

- **After Sign In User :**
  - (i) Search Product
  - (ii) View Product
  - (iii) Create Order
  - (iv) Change Email
  - (v) Can View Previous Orders
  - Add new product
  - Update product
  - Delete product
  - Can view his profit and expenditure
- **Admin/SuperUser:**
  - Can do everything

## 2.2 Advantages:

### 2.2.1 Advantages of Using SQLite:

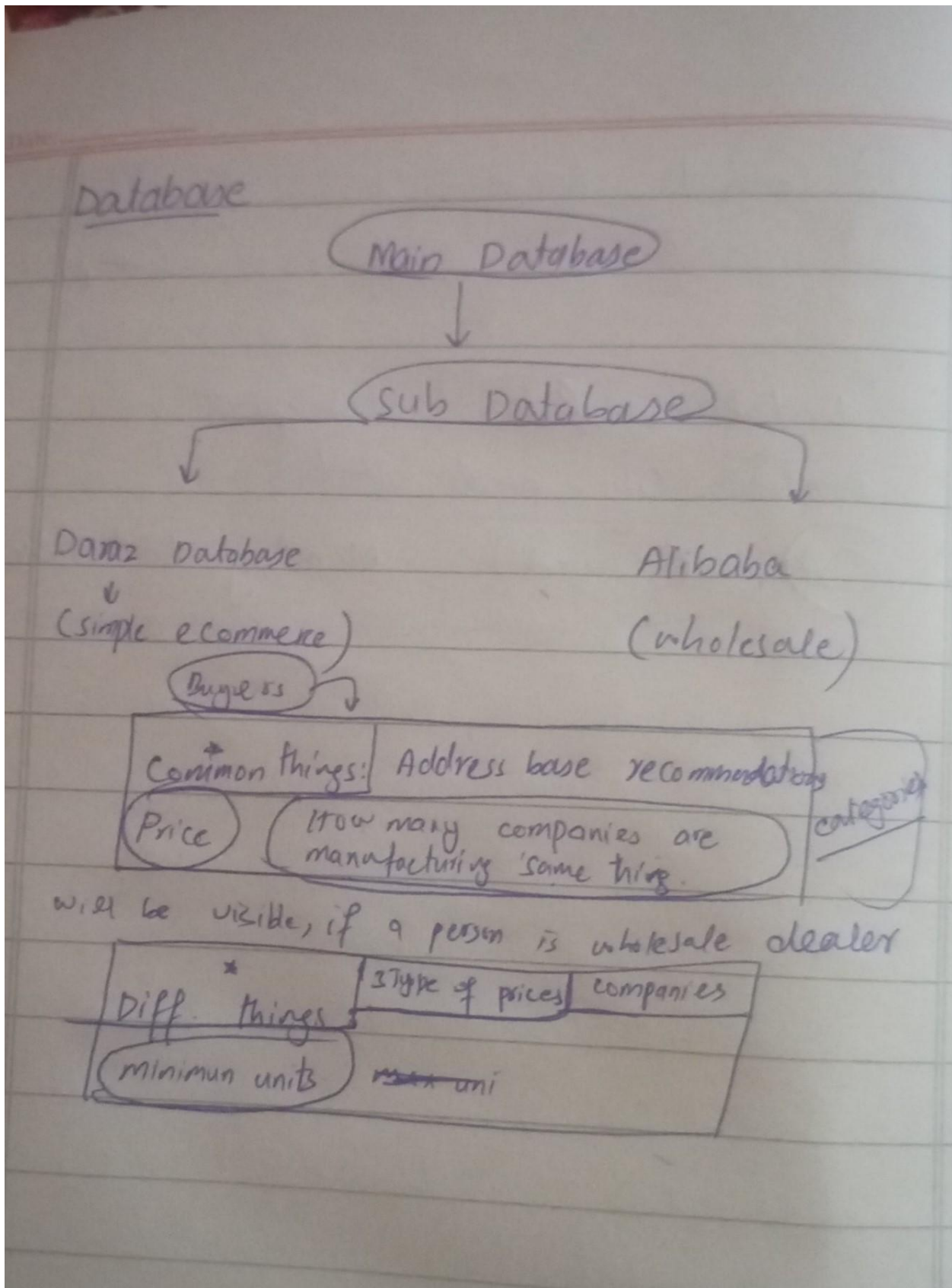
- It is more compatible and easily used in Django Framework.
- Similar syntax to Mysql
- Very flexible.
- Fast reading and writing operations.
- Loads only the required data and not the entire file.
- Only overwrite the edited parts of a file and not the entire file.
- Facilitates an efficient way for data storage.
- Variable column length of columns thus allows allocating only the spaces that a field needs.

### 2.2.2 Advantages of Using Django:

- Django is a Python-based free and open-source web framework, which helps us to create complex, database-driven websites.
- Django is considered the best Python web framework. Pinterest, The Washington Post, Dropbox, and Spotify are some of the best Django apps.
- Django offers several useful SEO tools. Django provides a module called the Django SEO framework, which developers can use to reduce page loading time by using cached templates and compressing CSS and JavaScript.

2.3 Overall View of Project Database System:

The following page on work is the rough representation of the database system of this project.



3 Schedule and milestones:

3.1 Planning Report

(From May 09 until May 20)

Due to Ramzan's schedule, some members are not participating well therefore, soon after Ramzan it will be completed as soon as possible. Meanwhile, the active members will be working on the first milestone of the project.

### **3.2 First milestone: Research, Front End Designing**

(From May 15 until June 05)

It is predicted that due to less knowledge of Front end designing languages like HTML, CSS, Bootstrap. This duration will cover our front-end development.

#### **3.2.1 Making Rough Design:**

Hopefully on 20th May, the Rough Design will be completed.

#### **3.2.2 Implementing Design**

Soon after completing the rough design, we will implement it in HTML, CSS and if another language is required, we will go for it.

#### **3.2.3 First milestone evaluation**

With hard work and dedication, it will be completed on 05 of June.

### **3.3 Second milestone: Back End Designing**

(From June 05 until June 20)

#### **3.3.1 Decision and Plan related back end designing**

It is hard to predict this part in terms of timing because it needs time to learn Django and also its implementation. But its learning will be completed on 20th June.

After learning it we will implement it according to the design made in the first milestone.

#### **3.3.2 Learn new skill-related project**

This part of the project will help us to learn the new back-end programming language Django and its implementation.

#### **3.3.3 Second milestone evaluation**

Hopefully, it will be completed in the month of June.

### **3.4 Third milestone: Implementation**

(From 20th June to dateline of the project)

#### **3.4.1 Implementing what we decide and plan in the second milestone**

In this part, we will implement the new skill that we learn in the second milestone and get our final product at any cost.

#### **3.4.2 Test The Project**

After successfully completing the project we will test it for buyer, sellers.

#### **3.4.3 Prepare the Final Report/ Presentation**

During all these processes final report and presentation are also important in order to clear our purpose of building this project. It will be completed soon after the completion of the project.

#### **3.4.4 Third and final milestone evaluation**

It will be going on until the dateline of the project.

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