



Veganza-A vegetable vending machine

Umeda M M
Assistant lecturer
Kusumitha P S
Assistant lecturer

ABSTRACT: THE PURPOSE OF THIS SYSTEM IS TO AUTOMATE THE EXISTING MANUAL SYSTEM BY THE HELP OF COMPUTERIZED EQUIPMENT AND FULL-FLEDGED COMPUTER SOFTWARE, FULFILLING THEIR REQUIREMENTS, SO THAT THEIR VALUABLE DATA/INFORMATION CAN BE STORED FOR A LONGER PERIOD WITH EASY ACCESSING AND MANIPULATION OF THE SAME. THE REQUIRED SOFTWARE AND HARDWARE ARE EASILY AVAILABLE AND EASY TO WORK WITH. IT WILL INCLUDE PROVIDING ADMINISTRATION ACCESS TO ADMIN AND VENDORS AND USER SPECIFIC ACCESS TO CUSTOMERS. USING DATA ANALYTICS, RETAILERS CAN TAKE THE ACTIONS TO REDUCE COSTS AND INCREASE SALES.

Statement of the problem:

It is difficult to improve the business by data analysis manually or by using multiple tools in B to B business like vegetable vendors where prices of the vegetables change frequently. Also here are some losses due to transportation and damage involved in the products.

Motivation:

The modern data analytical techniques along with mobile applications for day to day activities that capture the transaction data at central repository can solve the above problem statements. This will help in improving the sales at the same time can reduce the losses. Hence overall improvement in the business.

Advantages:

- It satisfy the user requirements
- Easy to understand by the user.
- Improve the sales.
- Cost reduction
- Reduce loss of data
- Increase the efficiency of managing the grocery and customer.

Challenges:

Need cloud base central data storage repository. That proves to be expensive and raises some questions of data security and integrity.

Objectives:

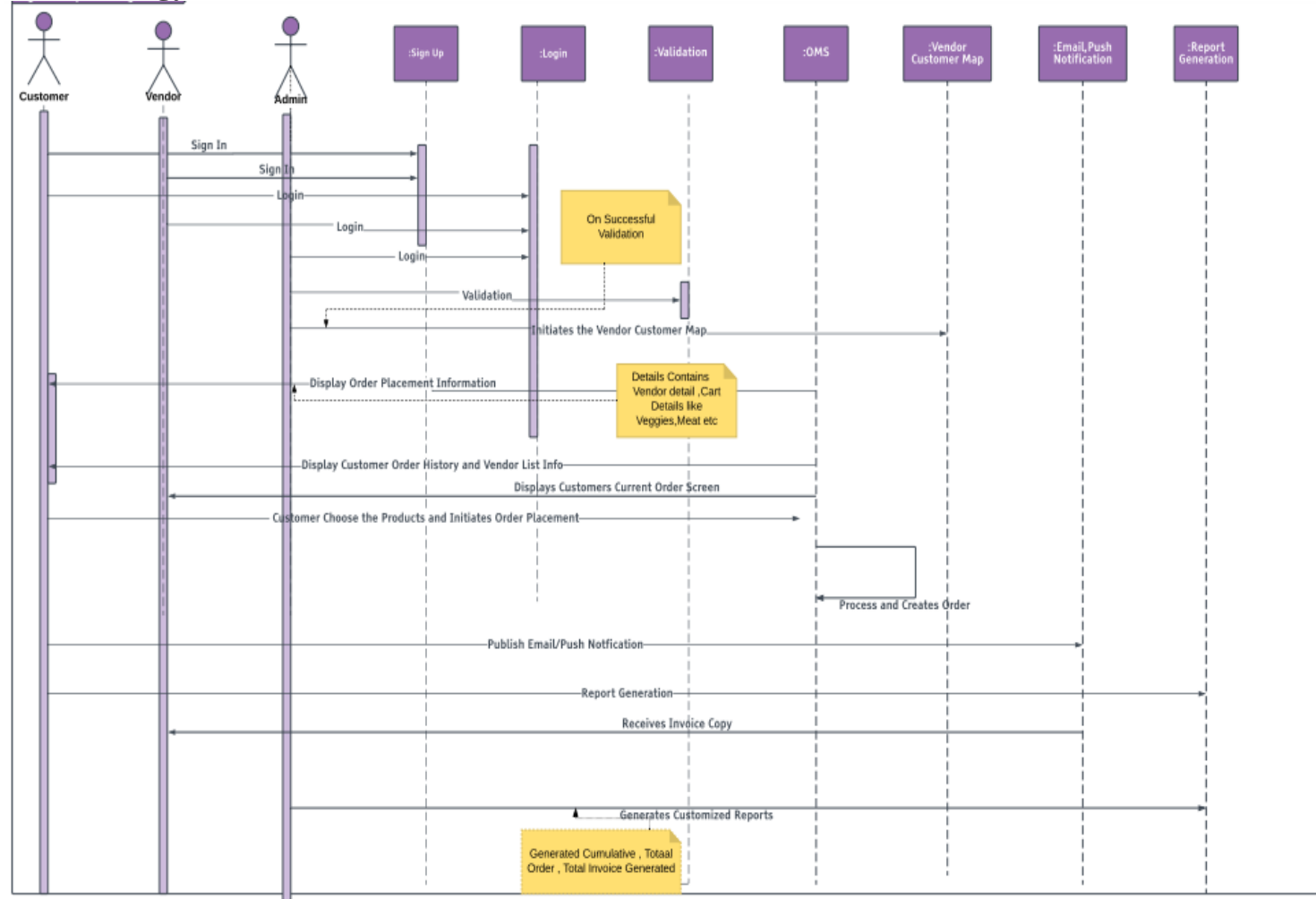
The object was to build vendor application for the analysis of purchase to reduce every cost and to improve overall system.

PROPOSED SYSTEM

Overview

Here we are using advanced analytics to do everything from understanding customers to improving forecasting, driving better, faster results. Retail data is increasing exponentially in volume, variety, velocity and value with every year. Each one of these interactions holds the potential for profit. Using data analytics retailers can take the actions to reduce costs and increase sales.

Methodology



Modules:

There are three modules in this system:

1. Admin
2. Vendor
3. Customer

1. Admin:

Tasks of admin module are as follows:

- Add and Manage vendors
- Add and Manage customer
- Map customer to the vendors
- Add categories and items
- Set price for items
- Approve or delete the vendor & customer request

2. Vendor:

Vendor does the following tasks:

- Authentication: Login using user name and password.
- Registration: New user registration. Mobile Phone number is mandatory to register.
- Manage profile: They can edit their profile
- Pricing: Set fixed or dynamic price for particular customer
- SMS & Email alert: Get SMS and email once customer place the order

3. Customer

- Authentication: Login using user name and password.
- Registration: New user registration. Mobile Phone number is mandatory to register.
- Manage profile: They can edit their profile
- Order :Customer can able to order the products from one or more vendors

CONCLUSION

This Analytics improve the sales and also this application will helpful for daily changing price. This project will able to help vendors and as well as customers to analyze and decision making.

REFERENCES

<https://ieeexplore.ieee.org/document/8418568>

<https://ieeexplore.ieee.org/document/876291>