

Nursery Management Using Python and React Js

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Abstract: As getting the information from various research papers and other sources we analysis that many peoples want to buy a plants and they directly concerned to nursery but sometimes people doesn't know specific information about particular plant items as well seller is not technically skilled. Customer doesn't compare plants pricing with different shopkeeper as well as in nursery there is no facility for online payment only cash may consumed. So, in this case e-nursery is platform where customer can compare plants pricing and make online payment easily. Customer service is extremely important. In this system there are two users Admin and Customer. The admin can view, add, delete, and update flowering plants details. Admin has the privilege of viewing customers, plants details, order details and customer reviews. Customer can view the plants and their details and add it to their cart or keep it in their wish list. Customer can view their cart and make payments. We want every customer very pleasant shopping experince Our react based website give better user experience.

The propped has been this system we want each stomer to have a pleasant shopping experience, and it is the intention of our staff to answer questions with expertise and to offer advice when we feel it is needed. Retain customers to generate repeat purchases and make referrals. Continue to expand daily sales by adding to the variety of plants we sell. Communication with our customers through creative advertising. Customers can buy plants from their home. Customers can view a large number of plants available in a nursery. When an admin decides to check out the order, then information including the buyer's name, address and billing instruction is record in system for future references.

1. INTRODUCTION

A nursery is a place where plants are propagated and grown to a desired age. They include retail nurseries which sell to the general public, wholesale nurseries which sell only to businesses such as other nurseries and to commercial gardeners, and private nurseries which supply the needs of institutions or private estates. Nurseries may supply plants for gardens, for agriculture, for forestry and for conservation biology. Some produce bulk stock, whether seedlgs or grafted, of particular varieties for purposes such as fruit trees for orchards, or timber trees for forestry. Nurseries can be started irrespective of where you're located but with sufficient land space to grow plant . Nursery business can be initiated from the backyard , in open plots , greenhouse or agricultural lands. To begin business onne must have a clear understanding of what kind of plant Species to develop. useually ,nurseries that are located in urban region could prefer growing flowing plant, decorative plants , vegetable plants, and ornamental tress. You have to identify the market need and accordingly must disperse plant in the nurseries. Most of the business is highly seasonal, so prepare with sapling stock early that marketing could be done when the

season sets in, some create a bulk stock of particular varieties either by seedlings grafting, or edibal plant for cultivation.

growing season, also called frost-free season, period of the year during which growing conditions for indigenous vegetation and cultivated crops are most favourable. It usually becomes shorter as distance from the Equator increases. In equatorial and tropical regions the growing season ordinarily lasts all year, whereas in higher latitudes—e.g., in the tundra—it may last as little as two months or less. Growing season also varies according to elevation above sea level, higher elevations tending to have shorter growing seasons. Annual plants complete their entire life cycle in a single growing season, while biennial plants live for two growing seasons. A plant that lives for more than two growing seasons is a perennial. The growing season for cultivated plants can be extended with the use of greenhouses.

LITERATURE SURVEY

The present study is based on the high tech nursery management in horticultural crops for the good nursery management to deliver good quality product delivered to the customer. In nursery management we have to create high-tech management including the meaning with objective types of nursery high tech management can manage the nursery including various activities like potting the seedling, maturing, irrigation, plant protection measures, weed control, packing of nursery plants, sale management and management of mother plants, staff training particularly in the use of pesticides.

EXISTING SYSTEM

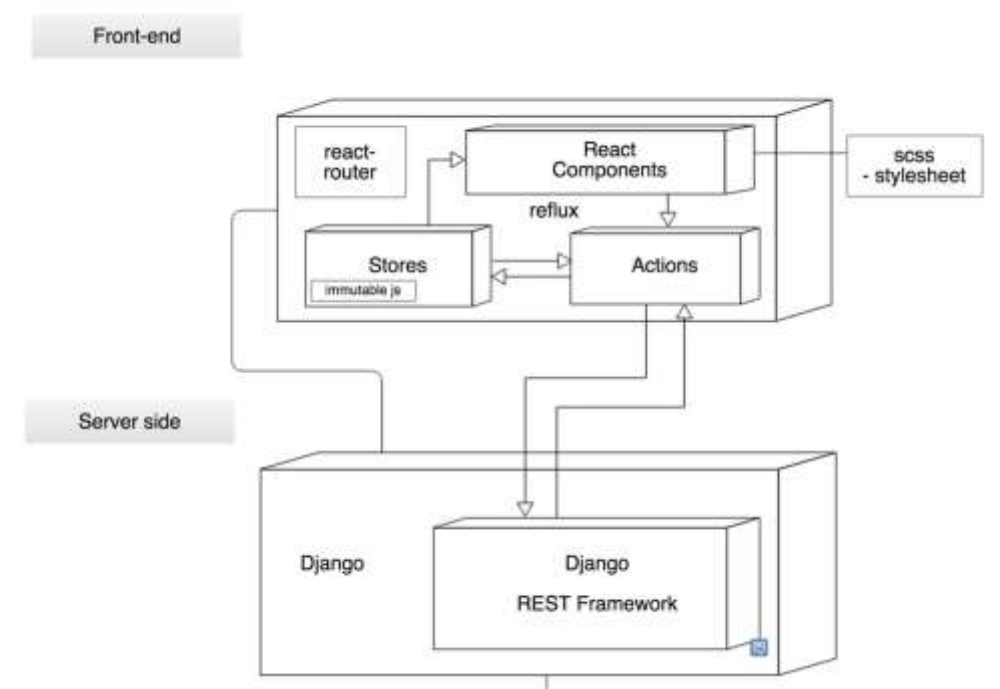
The Plant Nursery Management System (NMS) is a database-driven application built with Python and SQLite. It enables the customer to create an account and access Plant database features such as purchasing various types of plants and receiving a final bill slip for the same. If an existing customer operates NMS, the NMS will directly grant the customer a 5% discount on the final bill. The NMS can also be managed by staff. Staff can check on the availability of plants. Aside from that, they can update the price and quantity of plants available. They also have the ability to add and remove plants from the database. Staff also has access to customer data such as their name and phone number. On the terminal, the NMS also displays random quotes. We have created this system using python for website designing we have use, html, css , javascript.

ADVANTAGE AND DISADVANTAGE

- It is possible to provide favorable growth conditions i.e. germination as well as growth
- Better care of younger plants as it is easy to look after nursery in small area against pathogenic infection, pests and weeds.
- Crop grown by nursery raising is quite early and fetch higher price in the market, so economically more profitable.
- There is saving of land and labour as main fields will be occupied by the crops after 1 month. More intensive crop rotations can be followed.
- More time is available for the preparation of main field because nursery is grown separately.
- As vegetable seeds are very expensive particularly hybrids, so we can economize the seed by sowing them in the nursery.

PROPOSED SYSTEM

Collecting the information from various research papers and other sources .We analysis that many peoples want to buy plants and they have to directly concern with the nursery. Sometimes people do not know specific information about particular plant items as well as seller is not technically skilled. Customer does not compare plants prices with different shopkeeper and there is no facility for online payment only cash may consume. So, in this case e-nursery is platform where customer can compare plants pricing and make online payment easily. Customer service is extremely important. We want each customer to have a pleasant shopping experience, and it is the intention of our staff to answer questions with expertise and to offer advice when we feel it is needed. Retain customers to generate repeat purchases and make referrals. Continue to expand daily sales by adding to the variety of plants we sell. Communication with our customers through creative advertising. Customers can buy plants from their home. Customers can view a large number of plants available in a nursery. When an admin decides to check out the order, then information including the buyer's name, address and billing instruction is record in system for future references.



2. CONCLUSION

The proposed system can guarantee to keep the records are safe and privacy which is stored in the database. It converts unstructured data into structured data and sorted format. It is very helpful, reliable and performs well functional to get an alert message and emails on the cell phone. 1. In this dissertation, we have developed an approach to allow customers to buy plants without even visiting shop. 2. Being able to buy anytime, anywhere, any place. 3. Site enables them to browse before they shop, and to research the product so they have more confidence in what they are buying. 4. Online shopping becomes more enjoyable and easier than real- world shopping. 5. It provides online payment system. 6. Customer can track their order detail and give the feedback if any problem occur during shipment

3. REFERENCES

- [1] Krishnan, P.R., Kaila, R.K., Mewari, J.C. and Roy, M.M. (2014) Plant Nursery Management and Plant Nursery Management: Principles and Practices, Central Arid 2.
- [2] Kumar. N., (1997) Introduction to Horticulture. Raja Lakshmi Publications, 28/5 – 693, Vepamoodu Junction, Nagercoil. Pp.: 15.47- 15.50.
- [3] Landis, T.D., Tinos, R.W., McDonald, S.E., and Barnett, J.P. (1994) Nursery Planning, ss Development and Management. Vol. 1, the container tree nursery manual. Agriculture Handbook 674. Washington, DC, USA: US Department
- [4] Www. The free dictionary -com/business. copyright (c)2011 Retrieved 2011-09-15
- [5] Nestor, O.G., John, H. and Steve, H. (undated) The Operational Effectiveness of The Forest Nursery Sector in Leyte, The Philippines. Improving the Triple Bottom Line Return from Small Scale Forestry. Pp. 155-165
- [6] O'Connor, N. (1997) Constraints and Solution to Small- Scale Tree Nursery Management in the Coffee Based Land-use System of Maringa's District, Central Highlands, Keyed University College Dublin, Ireland (M.Sc. thesis).
- [7] Randhawa G.S., A.Mukhopadhyay (2001).Floriculture in India. Book published by Allied Publishers Limited, New Delhi
- [8] Stafford, A., ed. (1961). Seeds: USDA yearbook of agriculture. Washington, D. C., U. S. Department of Agriculture.
- [9] Thorpe, T. A., ed. (1981). Plant tissue culture: Methods and applications in agriculture, New York: Academic Press. 10. Cooper, P and Denning, G 1999, Scaling Up the Impact of Agroforestry Research, International Centre for Research in Agroforestry, Nairobi.