SYSTEM STUDY

INTRODUCTION

During the system development process, system analysis plays a crucial role in identifying problems and providing effective solutions. It involves gathering and analyzing data to understand the current system's performance, including inputs, outputs, processes, and their impact on organizational outcomes. Various techniques, such as surveys and interviews, are used to gather information and gain insights into the system's operation. The main objectives are to identify problem areas and propose solutions to address the business's issues. The system analyst acts as an investigator, carefully examining the system's functioning.

Once the issues are identified, the designer takes on the role of a problem solver and suggests fixes for the current system. The proposed solutions are rigorously compared with the existing system, and the user is given the opportunity to accept or reject the recommendations. This iterative process continues until the user is satisfied, and their feedback is taken into account.

The process of acquiring and analyzing data for future system studies is known as a preliminary study. A thorough preliminary study is crucial to ensure the success of the system development project. It lays the foundation for understanding the requirements and constraints of the system, guiding the development team towards creating an efficient and effective solution.

EXISTING SYSTEM

The existing system for purchasing indoor plants involves customers visiting local plant shops in person to browse and buy plants. This process can be tiring and time-consuming, as customers need to travel

from one place to another to find the desired indoor plants. Additionally, comparing prices from different dealers can be challenging.

After purchasing a plant, customers may receive care instructions verbally or through a printed care guide from the shop. To manage plant care, enthusiasts manually track their plant care routines using journals or sticky notes.

NATURAL SYSTEM STUDIED

In the system studied, customers have to directly contact nurseries or use other means to purchase their desired indoor plants. However, this process has several drawbacks. Customers might face the inconvenience of traveling long distances to nurseries, and upon arrival, they may find that the plants they need are not available, resulting in wasted time and effort. This system can be time-consuming and may not guarantee finding the specific indoor plants they are looking for.

One of the disadvantages of the system studied is the lack of a detailed care plan for the purchased indoor plants. In the traditional approach, customers may receive verbal instructions or a printed care guide from the nursery or shopkeeper after purchasing a plant. However, these instructions might be limited and generic, not tailored to the specific needs of each plant.

Without a comprehensive and personalized care plan, customers may face challenges in properly caring for their indoor plants. They might not have access to crucial information such as the ideal watering schedule, light requirements, humidity levels, and specific care considerations unique to each plant species. As a result, customers may struggle to maintain their plants effectively, leading to suboptimal growth, pest infestations, or even plant decline.

This lack of detailed care information can be particularly problematic for indoor plant enthusiasts who are new to gardening or have limited experience with specific plant species. Having accurate and detailed care instructions is essential for ensuring the health and longevity of indoor plants, but the existing system may not adequately address this need.

DESIGNED SYSTEM STUDIED

The system offers a user-friendly and centralized platform where indoor plant enthusiasts can purchase plants and access detailed care information. By connecting users with nearby stores, it provides a convenient way to find their desired plants without the need to travel long distances. Through online communication, customers can seek expert advice, reserve plants, and make advanced payments, ensuring a seamless and efficient plant purchasing and care experience. With comprehensive treatment plans for each plant and chat support the system empowers users to nurture their indoor plants effectively and enhance their overall gardening journey.

DRAWBACKS OF EXISTING SYSTEM

Existing systems for purchasing indoor plants suffer from several drawbacks that impact the overall experience of customers. These limitations include:

1. In-Person Visits: Customers are required to physically visit local nurseries or shops to browse and buy indoor plants. This process can be time-consuming and inconvenient, especially for those living in areas with limited access to nurseries.

2. Uncertain Availability: Upon reaching the nursery, there is no guarantee that the specific plants customers are looking for will be available. This uncertainty can lead to disappointment and frustration, as customers may not find the plants they desire.

3. Limited Care Information: The care information provided in the existing system may be limited and generic. Customers may receive verbal instructions or a printed care guide, which may not be tailored to the specific needs of each plant. As a result, customers might face challenges in effectively nurturing and maintaining their indoor plants.

4. Lack of Personalized Support: Once customers leave the nursery, they have limited access to expert advice and support for their plants. Without a centralized platform, obtaining personalized assistance and information about plant care can be challenging.

5. Inconvenience of Travel: Traveling to multiple nurseries to find specific indoor plants can be tiring and time-consuming. Customers may need to cover long distances, leading to additional costs and effort.

6. Limited Plant Selection: Local nurseries may have a limited selection of indoor plants, which may not cater to the diverse preferences of customers. This limitation can restrict the choices available to customers and limit their ability to find unique and rare plant species.

7. Inability to Compare Prices: Customers may not have the means to compare prices with other shops or nurseries easily. This lack of price comparison options may result in missed opportunities to find better deals or discounts for the same plants.

PROPOSED SYSTEM

The proposed system, "Budora," is an e-commerce platform designed exclusively for indoor plant enthusiasts. It aims to provide a comprehensive and user-friendly solution for purchasing indoor plants and accessing detailed care information. The primary focus of the proposed system is to connect users with nearby stores that offer their desired indoor plants, offering a convenient and efficient way to find and purchase indoor plants without the need for in-person visits to physical nurseries.

"Budora" will feature a wide catalog of indoor plants, including popular species and rare varieties, enabling users to browse and select their desired plants from the comfort of their homes. One of the standout features of the platform is the provision of comprehensive treatment plans for each plant. These detailed care instructions will cover watering schedules, light requirements, temperature preferences, and any specific care considerations unique to each species, empowering users to effectively nurture and maintain their indoor plants for optimal health and growth.

Through location-based services, the platform will suggest nearby stores that have users' desired indoor plants in stock. Users will have the option to reserve specific quantities of plants through an advance payment system, ensuring that their preferred plants are available when they visit the store. Additionally, "Budora" will offer indoor plant rental services for users seeking temporary plant solutions for special events or decor purposes, providing more flexibility in indoor gardening options.

The integration of a chat support feature will facilitate direct communication between users and store owners or sellers. This will enable users to seek expert advice, inquire about specific plants, and obtain personalized assistance throughout their plant care journey.

Overall, the proposed system "Budora" aims to revolutionize the way indoor plants are purchased and cared for, providing a one-stop platform for indoor plant enthusiasts to explore, select, and nurture their favorite plants with ease and confidence.

ADVANTAGES OF PROPOSED SYSTEM

- **Comprehensive Plant Care Information**: Detailed care instructions for each plant species will empower users with expert guidance for successful plant maintenance.
- **Seamless Store Suggestions**: The system suggests nearby stores with users' desired plants, making it easier to find and purchase specific indoor plants.
- **Plant Reservations**: Users can reserve plants through an advance payment system, ensuring their preferred plants are available for purchase when they visit the store.
- **Indoor Plant Rentals**: "Budora" offers plant rental services for special events or decor, providing more flexibility and options for users.
- **Chat Support**: The integrated chat support feature allows users to directly communicate with store owners or sellers for personalized assistance.
- **Plant Care Reminders**: "Budora" includes a plant care reminder system that allows users to set personalized reminders for watering, fertilization, pruning, and other care tasks. Timely notifications ensure that users can efficiently care for their indoor plants, leading to healthier and thriving greenery.
- **Customer Reviews**: The platform allows customers to provide reviews and ratings for the plants they purchased and the stores they visited. These customer reviews offer valuable insights for other users, helping

them make informed decisions and choose reputable stores with quality products.