



PROJECT NAME: E-Nursery

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**A Project Submitted in Partial Fulfillment of the Requirement for the Degree of Bachelor
of Science in Software Engineering Fall 2020**

DEPARTMENT OF SOFTWARE ENGINEERING

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APPROVAL


This project titled on “E-Nursery”, submitted by Name: Md.Mahmudul Islam, ID:171-35-218 to the Department of Software Engineering, Daffodil International University has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of Bachelor of Science in Software Engineering and approval as to its style and contents.

DECLARATION

It hereby declares that this project has been done by me under the supervision of Ms. Marzia Ahmed, Lecturer, Department of Software Engineering, Daffodil International University. It also declares that neither this project nor any part of this has been submitted anywhere else for award of any degree.

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ACKNOWLEDGEMENT

I have taken endeavors in this project. Be that as it may, it would not have been conceivable without the kind help of numerous people. I might want to stretch out my earnestness because of every one of them. I am exceptionally obligated to Daffodil International University for their direction and steady supervision by Ms. Marzia Ahmed and in addition for giving necessary information with respect to the venture and additionally for their help in finishing the task. I would like to express my gratitude towards our parents, our batchmate, members of DIU for their kind cooperation and consolation which help us in finishing this task. My thanks and thanks likewise go to my associate in building up the energetically bailed us out with their capacities.

EXCLUSIVE SUMMARY

“E-Nursery” is a web based application which sells various kinds of tree. The business-toconsumer aspect of product e-commerce is the most visible business use of the World Wide Web. The primary goal of this site is to sell trees online and customer also know how to take care that trees . user get details idea about different type tree disease and how to care that trees. User get details idea Terms of uses medicinal Plant and also know about Terms of Uses of Fertilizer .

It provides to user with a various kinds of tree available for purchase in the store.

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CHAPTER 01: INTRODUCTION

Dhaka is most populated city in our country. In this city everywhere is polluted. Trees protect our environmental balance. If everyone takes planting trees, the balance of the environment can be maintained. I want to do something for balance of the environment. While a livable city should contain 25 percent greenery of its total area, the capital has barely 5 percent greenery for lack of regular plantation.

As the days go by we are becoming more and more dependent on technology. And thanks to that technology we can do everything through our electronic devices.

An online website is available all day, every day meaning your customers can visit any website at all times, no matter what their schedule might be. These days people don't always have the time to physically go any Nursery. So I thought this website is very useful for our life. "E-Nursery" is a web based application which sells various kinds of tree. The most apparent commercial application of the World Wide Web is the business-to-consumer component of goods ecommerce. The primary goal of this site is to sell trees online and customer also know how to take care that trees. User get details idea about different type tree disease and how to care that trees. User get details idea Terms of uses medicinal Plant and also know about Terms of uses of fertilizer It gives the user access to a variety of trees that can be purchased in the store. It provides the user with a variety of trees to choose from in the store.

1.1 Project OverView

E-Nursery is web based application with all the components that an e-commerce website contains .there are two type of user use this application. only registered user can order this site. normal user only visit this site. The primary goal of this site is to sell trees online and customer also know how to take care that trees. User get details idea about different type tree disease and how to care that trees. User get details idea Terms of uses medicinal Plant and also know about Terms of uses of fertilizer.

1.2 Project Purpose

The main reason for making this project is An online website is available all day, every day meaning your customers can visit any website at all times, no matter what their schedule might be.

These days people don't always have the time to physically go any Nursery.so I thought this website are very useful for our life. An ecommerce website allows a firm to operate nearly fully online, eliminating the need for a home office with sales and management personnel. The procedure is fully automated, which sets it different from other websites that still prioritize company development. An ecommerce website is one that allows a firm to operate nearly fully online, obviating the need for a physical location.

1.2.1 Background

Times have changed and so have the ways of shopping. But your customer is the same as it used to be.

Every customer wants a seamless shopping experience, especially in an online store. In fact, that is the promise of online shopping, to provide a fast and convenient shopping experience. provide a great user experience, you will earn customer loyalty, increase conversion rate, and encourage customers to spend more money on your products.

1.2.2 Benefits & Beneficiaries

The most apparent commercial application of the World Wide Web is the business-to-consumer component of goods e-commerce. The most prominent commercial usage of the World Wide Web is the business-to-consumer part of goods e-commerce.. Ecommerce website is currently one of the most important emerging and thriving sectors of web marketing. It has expanded faster over the past years and is expected to keep growing at an accelerating rate. Ecommerce websites enable businesses to grow faster, more convenient and less costly.

Benefits of this project:

- 1.Easy to place an order
- 2.Large selection of products
- 3.Cheaper prices
4. Detailed and clear information

1.2.3 Goals

The primary goal of this site is to sell trees online and customer also know how to take care that trees. User get details idea about different type tree disease and how to care that trees. User get details idea Terms of uses medicinal Plant and also know about Terms of uses of fertilizer.

1.3 Stakeholders

There are three types of stakeholders:

- i. Owner (Myself)
- ii. Development Team
- iii. Employees
- iv. General Users

1.4 Project Schedule

1.4.1 Gantt Chart

I have taken some steps to making this Gantt chart.

Weeks/ Works	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16
Analysis Phase	■															
Feasibility study		■														
Project proposal			■													
Project UI			■	■	■	■										
Mid-Term Defense				■												
Implementation of the Project				■	■	■	■	■	■	■	■	■	■	■		
Testing							■					■	■	■	■	
Documentation of the project														■	■	■
Final Defense																■

Figure 01: Gantt Chart

1.4.2 Release Plan

I have a plan to upload the application on the play store within this month. Before releasing the full version I have to complete some steps.

- i. Investor finding: 05th June 2021
- ii. Demo release: 18th June 2021
- iii. Advertisement: 22th June 2021
- iv. Final release: 30th June 2021

CHAPTER 2: SOFTWARE REQUIREMENT SPECIFICATION

2.1 Functional Requirements

The functional requirements of the project are Given below,

Serial no:	Requirements	Priority
01	Login/SignUp	High
02	See Product	High
03	Choose Product	Medium
04	Show Product Details	Low
05	Add to Cart	Medium
06	Update Cart	Medium
07	Add Address	Medium
08	Payment	Medium

Table 01: Functional Requirements

2.2 Performance Requirements

Performance Requirements are important things for an application. If you can't squeeze the full feature of the application, it will be a failure for the developer. So, we have to make this more usable and bug free. For this result we get positive reactions from users.

2.2.1 Speed and latency requirements

Speed: The system will run in a high speed.

Latency : The latency will be also user friendly.

2.2.2 Capacity Requirements

User capacity: 10k people are using this app at the same time. And we can increase the server capacity according to the engagement of the users

.

Server details:

Hosting: 5GB Cloud Storage

CHAPTER 3: SYSTEM ANALYSIS

3.1 Use case Diagram

The use case diagram is a visual representation of the software research. The project's use case diagram is shown below.

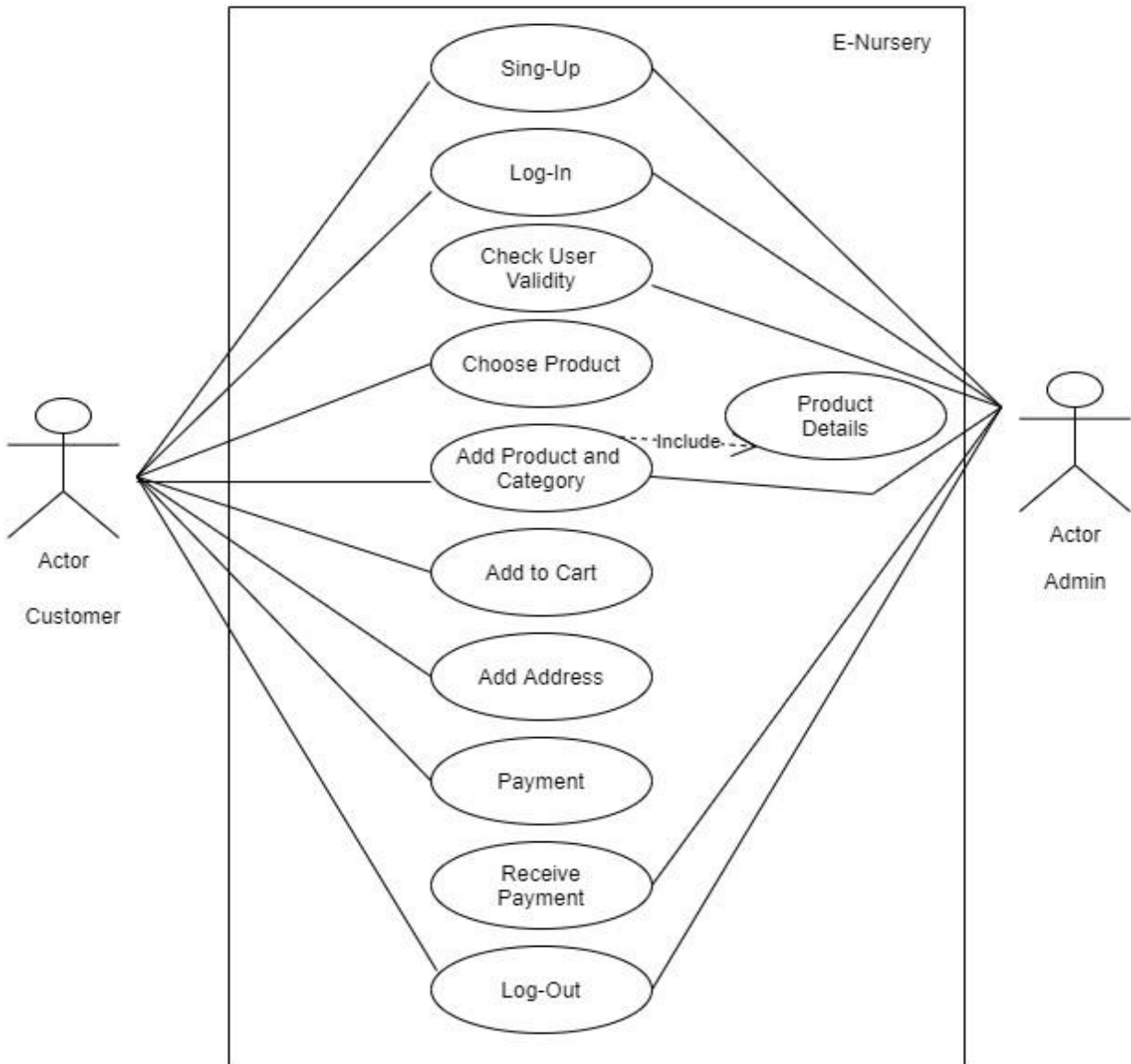


Figure 02: Use case Diagram

3.2 Use case Description

- I. **Login or Register:** This application has a login and registration system. The new users need to register with authorized email which will be verified by middleware. After the all process, then use email address and password then login
- II. **Check User Validity:** User validity is verified by middleware.
- III. **Choose Product:** Users can choose product and see product details.
- IV. **Check User Account:** A user can't check others' profiles. Only Admin can do this. V. **Add to Cart:** Users can add product on his/her cart.
- VI. **Update Cart:**user can update product quantity on his/her cart.
- VII. **Add Address:** User can add address and phone number when order product.
- VIII. **Payment:** User can payment when deliver product or payment by bkaash number and admin received payment.

3.3 Activity Diagram

Another significant behavioral diagram in the UML diagram is the activity diagram, which is used to represent dynamic features of the system.

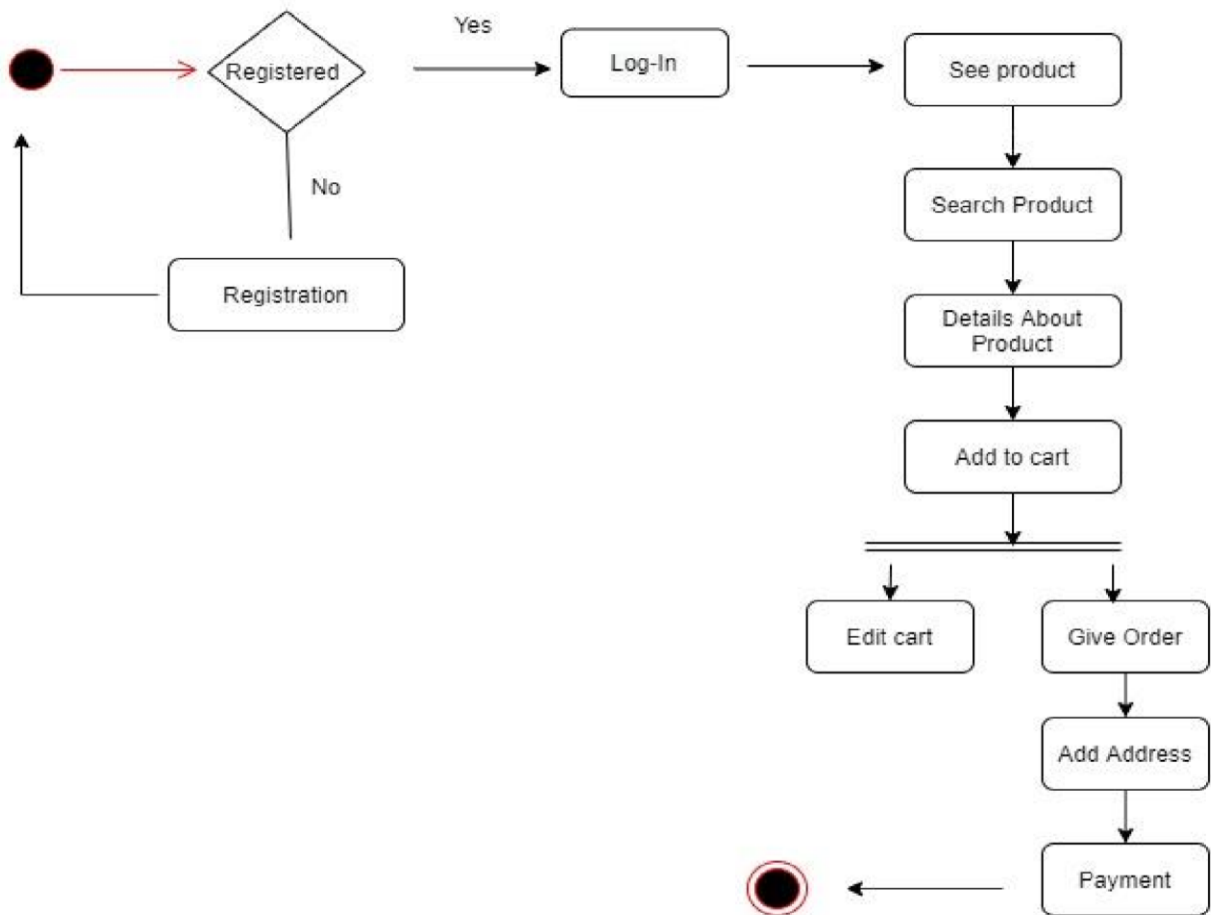


Figure 03: Activity Diagram

3.4 ER Diagram

Entity relationship model describes interrelated things of interest in a specific domain of knowledge. A basic ER model is composed of entity types and specifies relationships that can exist between entities.

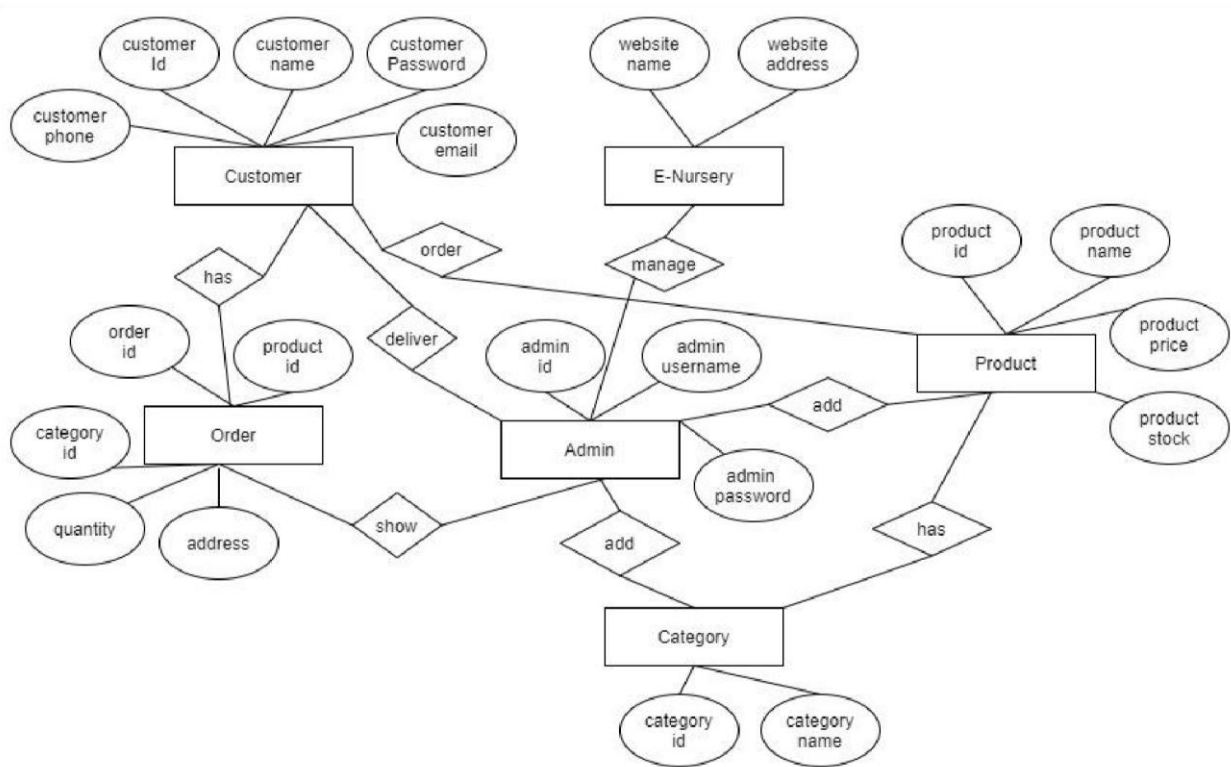


Figure 04: ER Diagram

Sequence Diagram

A sequence diagram is a type of interaction diagram because it describes how—and in what order—a group of objects works together.

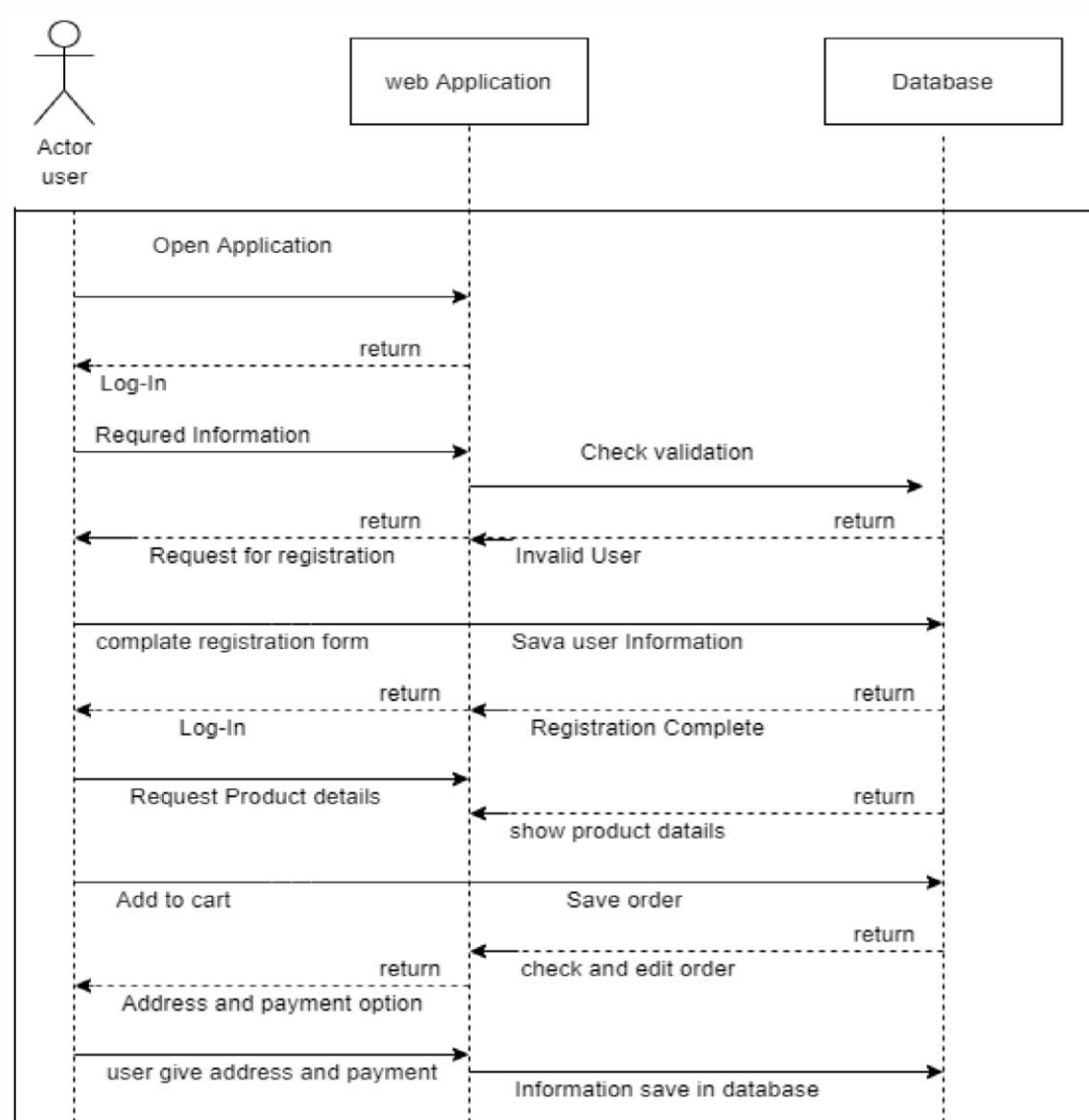


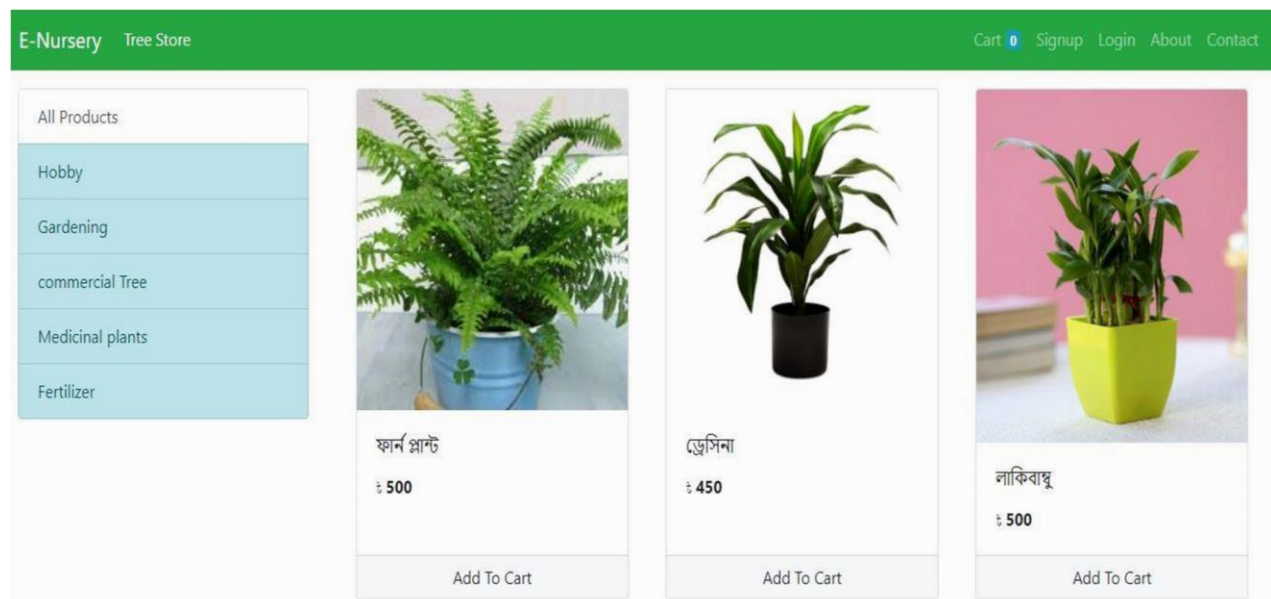
Figure 05: sequence Diagram

CHAPTER 4: USER MANUAL

User Type:

I. User Type A: Admin

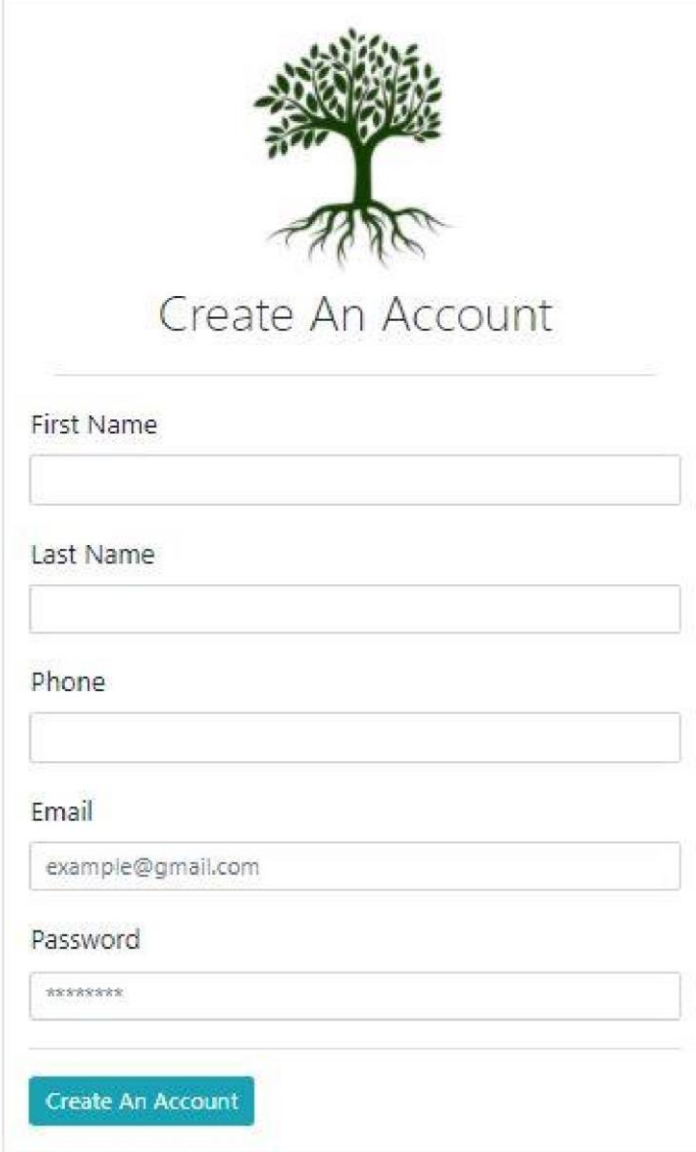
II. User type B: Registered User




4.1 User Type B: Registered Users

Figure 06: Welcome page

Registration Form:





Create An Account

First Name

Last Name

Phone

Email

Password

[Create An Account](#)

Figure 07: Registration page

Log-In Form:



Log In

Email

Mahmudul

Password

Login

Figure 08: Log-In page

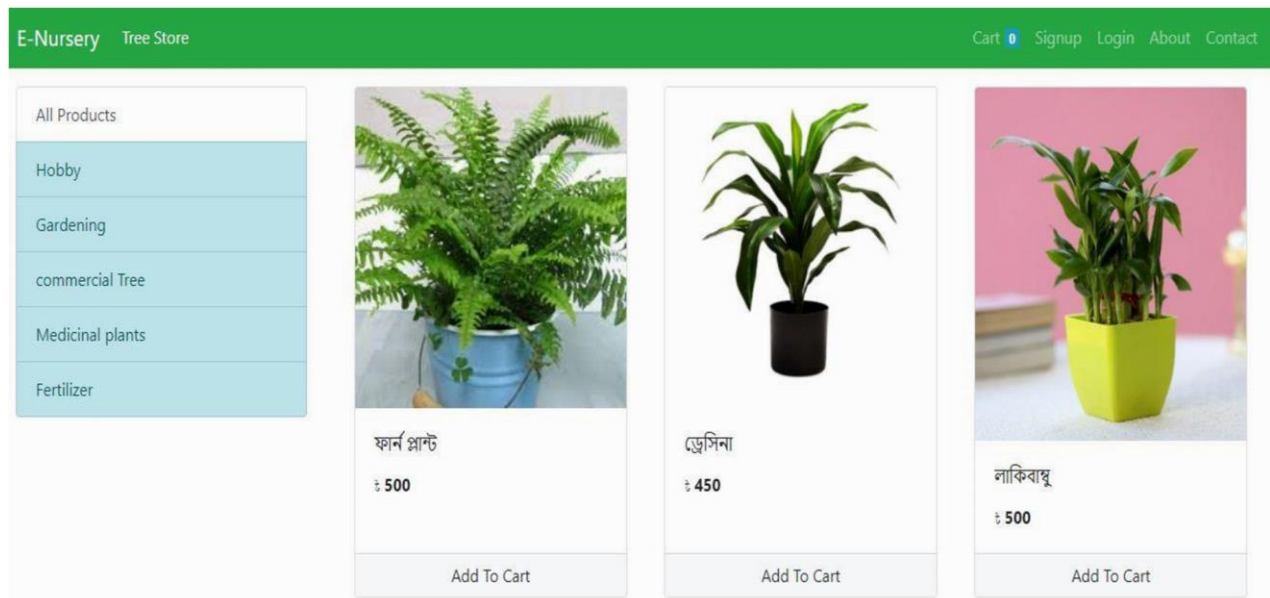
CHAPTER 4: USER MANUAL

User Type:

I. User Type A: Admin

II. User type B: Registered User

4.1 User Type B: Registered Users



Care of Trees And Diseases of Trees



আলমন্ডা

Gardening

Categories: Gardening

Price : 600

গাছের পরিচর্যা:

বর্ধমান অ্যালাম্যান্ডগুলির জন্য, একটি ভালভাবে আলোকিত স্থান চয়ন করা গুরুত্বপূর্ণ, তবে যাতে সরাসরি কিরণগুলি পাতায় না পড়ে - এটি অল্প সময়ের জন্য তাদের সহ্য করতে সক্ষম হয়। বসন্ত এবং গ্রীষ্মে, আল্লাম্যান্ডার জন্য সাধারণ ঘরের তাপমাত্রা অনুকূল হয় তবে শীতকালে, যখন বিশ্রামের সময় থাকে, তখন তাপমাত্রা 15-18 ডিগ্রিতে কমিয়ে আনতে হবে। উপরন্তু, উদ্ভিদ খসড়া সহ্য করে না। আল্লাম্যান্ডা বৃদ্ধিতে আর্দ্রতা একটি মূল কারণ। এটি কমপক্ষে 60-70% হওয়া উচিত। এটি করার জন্য, উদ্ভিদটি গরম জল দিয়ে দিনে কয়েকবার স্প্রে করা হয়, এবং পাত্রটি একটি ট্রেতে আর্দ্র প্রসারিত কাদামাটি বা বালি দিয়ে রাখা হয়, তবে এই শর্তটি দিয়ে যে পাত্রটি জল স্পর্শ করে না, অন্যথায় গাছের গোড়া পচে যায় এবং মারা যায়। উদ্ভিদটি গরম করার সরঞ্জামগুলির পাশে আর স্থাপন করা উচিত নয়।

গাছের রোগ:

আল্লাম্যান্ডা প্রায়শই একটি মাকড়সা মাইট, এফিড বা ফোয়াইট ফ্লাই দ্বারা আক্রান্ত হয়। যেহেতু উদ্ভিদটি উচ্চ আর্দ্রতার সাথে বাতাসে থাকে তাই একটি ছত্রাকজনিত রোগের (কালো প্যা) উপস্থিতি অস্বীকার করা হয় না। মাটিতে কম আলো বা খনিজ পদার্থ এবং ট্রেস উপাদানগুলিতে অণুকুরগুলি পাতলা, দীর্ঘায়িত হয়ে যায়, পাতা ফ্যাকাশে সবুজ হতে পারে। খসড়া বা খুব আর্দ্র মাটি থেকে, আল্লাম্যান্ডা পাতা ফেলে দিতে পারে।

Figure 09: Care and Diseases

Terms of uses medicinal Plant.



তুলসী

Medicinal plants

Categories: Medicinal plants

Price : 100

ব্যবহার বিধি:

ফুসফুসের দুর্বলতা, কাশি, কুষ্ঠ, শ্বাসকষ্ট, সর্দিজ্বর, চর্মরোগ, বক্ষবেদনা ও হাঁপানি, হাম, বসন্ত, কুমি, ঘামাচি, রক্তে চিনির পরিমাণ হ্রাস, কীটের দংশন, কানব্যথা, ব্রংকাইটিস, আমাশয় ও অজীর্ণে তুলসী দিয়ে তৈরি ওষুধ বিশেষভাবে কার্যকর। ঠাণ্ডা-কাশি থেকে রক্ষা পেতে তুলসী পাতা ও আদার রসের সঙ্গে একটু মধু মিশিয়ে খেতে পারেন। এতে ঠাণ্ডা-কাশি ভালো হবে। সকালবেলা খালি পেটে তুলসী পাতা চিবিয়ে খেলে মুখের রুচি বাড়বে। তুলসী পাতার রস খেলে দ্রুত জ্বর ভাল হয়। তুলসী পাতা গরম পানিতে সেন্দধ করে সে পানিতে গড়গড়া করলে মুখ ও গলার রোগজীবাণু মরে, শ্লেষ্মা দূর হয় ও মুখের দুর্গন্ধও দূর হয়। তুলসী চা শারীরিক ও মানসিক অবসাদ দূর করে এবং মস্তিষ্কে অক্সিজেনের সরবরাহ বাড়ায়। মাথা ব্যথা ও শরীর ব্যথা কমাতে তুলসী খুবই উপকারী।

Figure 10: Care and Diseases

Terms of Uses of Fertilizer:



পটাশ সার ১ কেজি

Fertilizer

Categories: Fertilizer

Price : 80




সারের ব্যবহার :

ছোট টবের ক্ষেত্রে অর্থাৎ 12 ইঞ্চি টপ এর ক্ষেত্রে ফুল গাছের জন্য আধা চামচ পরিমাণ পটাশ সার প্রতি তবে চারপাশে ছড়িয়ে দিতে হবে এবং পর্যাপ্ত পরিমাণ পানি দিতে হবে। পটাশ সার মাটি তৈরিতে 4 শতাংশ হারে মিশিয়ে দিতে পারেন। এছাড়াও এক চামচ পটার 5 লিটার পানির সঙ্গে মিশিয়ে গাছে স্প্রে করতে পারেন। লাই এর প্রাদুর্ভাব বেড়ে যায়।

Figure 11: Care and Diseases

User can add to cart

My Cart

Seril.no.	Image	Product	Price	Quantity	Total
1		ফার্ন প্লান্ট	₹ 500	1	₹ 500
2		ড্রেসিনা	₹ 450	1	₹ 450
3		পেস লিলি	₹ 500	1	₹ 500
				Total	₹ 1450

[Order Now](#)

Figure 12: Care and Diseases


Order Form

Order Form ×

Address

Phone

Payment when delivery

 bKash Payment

Bkash Number

Figure 13: Care and Diseases

CHAPTER 5: CONCLUSION

5.1 The Obstacles and Achievements

We have successfully implemented the site 'E-Nursery'. With the help of various links and tools, we have been able to provide a site which will be live soon and running on the web. We have been successful in our attempt to take care of the needs of both the user as well as the administrator. Finally we hope that this will go a long way in popularizing.

A software project entails a significant amount of experience. This section summarizes the project experience obtained throughout development. Working on a web development project is new to me, and I encountered several challenges along the way. For one work, we needed to implement a large number of complex logic issues construct is a fantastic online project.

Every customer wants a seamless shopping experience, especially in an online store. In fact, that is the promise of online shopping, to provide a fast and convenient shopping experience. provide a great user experience, you will earn customer loyalty, increase conversion rate, and encourage customers to spend more money on your products.

In the near future, we intend to create more Web applications. Please provide us with comments, recommendations, and ideas so that we can improve.

Limitation:

Every Project or application have limitation. My project has also some limitations. They are:

- I don't have enough database.
- it's not in live.

5.2 Future Work

1. 'E-Nursery' would help each and every person to find any Tree via our website and get it at home it will save their time.
2. It would provide huge collection of Trees and relevant products.
3. Delivery product every district.

5.3 REFERENCES

- Google, <https://en.wikipedia.org/wiki/Google>
- Rad methodology, https://en.wikipedia.org/wiki/Rapid_application_development
- Source, [Stack Overflow - Where Developers Learn, Share, & Build Careers.](#)
- UML Diagram, <https://draw.io/>
- Ideas <https://www.fast-growing-trees.com>
- <https://brikkhobazar.com/>