

E-commerce Website

Company: Dynamic Technosoft Pvt.Ltd.

Sweta Kumari

17BCE2388

Introduction

- A 5-week internship training in Dynamic Technosoft Pvt.Ltd. in I.T. Department.
- Project Assigned : **E-commerce Website** (Web application)
- Application: For managing the requests generated for demand of S/W based components
- This portal was deployed on xampp server
- Many new concepts and new learnings were made by me
- I was first time exposed to the real-corporate world.

Continued

- A basic introduction about the websites like GitHub repository was given and I had to go through the codes to get some idea about the Xampp usage.
- I was introduced to PHP framework for backend creation.
- A basic login form had to be designed with the help of basic HTML which contained major types of sign-in procedures all together like email. They tried to extract how much I know about WEB Development.
- The focus of this project was to help the Online shopping for retail sales direct to consumers via Web sites .I have to design a category page where all the products where displayed and the user can add the product to their cart.

Aim of the project

- Developing a GUI based automated system, which will cover all the information Related to the all products which is used in our daily life. For example – Mobiles Phones, Laptops, Clothes, Books, Electronic Items and many more.
- E-commerce is mainly useful for ho haven't time to go shopping or for comfortably to the customers. Those are just entered into this website and bought they want at any time they can visit the web-site.
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Objective

- The “Ecommerce” is developed according the current need in different Fields. This is Ecommerce Website which provides facility for purchasing Mobiles, Laptops, tabs and many more items.
- By using this system users which want to purchase some products will first Register an account on this portal then Login through their Username and Password, and then Select items which they want to purchase and add them to cart and finally checkout by giving payment details.
- Using this portal users can easily purchase products from their home.

Motivation

1. Build a customer email list and market directly to them
2. Establish and strengthen your brand
3. Learn more about your audience
4. Run creative marketing campaigns
- 5 Marketing Through Social Media & Search Engines

About the Company



- Dynamic Technosoft is a recognized leader in the field of IT service providers, providing comprehensive software development and web products for more than a decade.
- Dynamic Technosoft company's various services include Software Development, Mobile App Development, Website Development, Bulk SMS Solution, Domain Registration and Web Hosting, and Online attendance Solution.
- One-stop-shop concept Dynamic makes it possible for our clients to outsource solutions for all of their needs conveniently.
- Dynamic Vision is to constantly adapt and broaden our range of services to reflect the future needs of our customers.

Certificate

Date: - 5th June 2020

TO WHOM IT MAY CONCERN

This is to certify that Ms. Sweta Kumari Daughter of Mr. Devi bahadur Maharjan and a student of B.Tech Vide **Registration No. 17BCE2388** of Branch "Computer Science" in "Vellore Institute of Technology" Vellore have successfully completed her Internship from **01.05.2020** till **03.06.2020** at our Birgunj Office.

The work assigned to her related to Web development & database management of the organization along with software support and her understanding out of that fulfills all the required criteria, as found upon evaluation.

I hereby certify her work good to the best of my knowledge and wish her the best for her future.

Thanking You,
For Dynamic Technosoft Pvt. Ltd.



Skills before internship / Skills gained from curriculum

- Some of the skills which I had acquired from the curriculum, which were required to have in my internship:
 - Data structures and algorithms
 - Back-end part in web development – PHP and HTML
 - Open source programming
 - Networks and communication
 - Database Management System
 - Software Engineering

Knowledge acquired during training

- Technical Skills:
 - Network and connection specifically among their systems
 - LDAP server
 - SSO (Single Sign-On)
 - MSSQL with XAMPP server
 - Frontend-side of web development
 - Making the web application from http to https (that is from unsecured to secured)
 - Providing and maintaining the privileges
 - Putting up the web application over the server

Knowledge acquired during training

- Managerial learnings:
 - Management for any request made
 - Group tasks carried out in synchronization
 - Managing any customer on call
 - Communication among members using Skype
 - Time Management
 - Experiment, Analyze and Reconstruct

Application of skill set - The Project

- Skill sets learned applied in the project assigned to me,' E-commerce Website.
- A web Application
- Application: Manage the order placed by the customers and giving the customers a list of many products from which they can choose and buy from the store and the details about the product with reviews from people.
- Purpose: Convert a manual and unsecured system to a semi-automated secured system which people can use with proper safety and trust.

Users of the Application

- There are five types of users to be considered for this application:
 1. Requester
 2. Administrator (admin)
 3. Acceptors (at four levels)
 4. Procurement team
 5. Suppliers

Earlier System

- Faults in the earlier system:
 1. Requesters used to send email which didn't had any consistent format
 2. The request was recorded in an excel file by the admin
 3. Admin used to manually find and enter the data from mails to system and had to save the attachments at an appropriate place
 4. Admin had to manually send mail to each and every person
 5. Double entry of request was to be created one in excel.

Proposed and designed system

- A request form was designed for requesters so there is consistency maintained when request is sent.
- Data was stored in Microsoft SQL Server, which made data secured as well as integrated.
- Admin gave the privileges to different users.
- Only authenticated and authorized person is able to access the system.
- The process of fulfilling the request becomes faster.

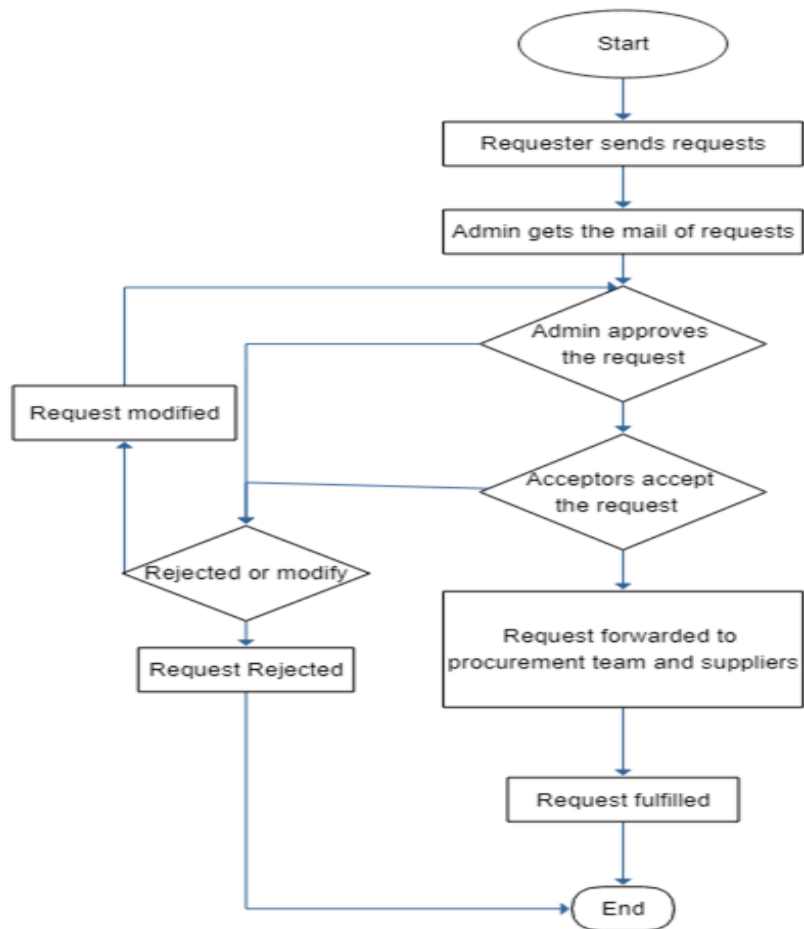
Functionalities of each user

- Requester:
 1. Submit request
 2. View its updates
 3. View past requests
- Admin:
 1. Views the request
 2. Make modification as per requirement
 3. Manage Application Data
 4. Provide privileges
 5. Add/remove/modify the users

Functionalities of each user

- Acceptors / approvers:
 1. Approve or reject the request
 2. Feedback if minor change required in request
- Procurement team and suppliers:
 1. Fulfil the requirement
 2. Indicate to system the status of fulfilment of request

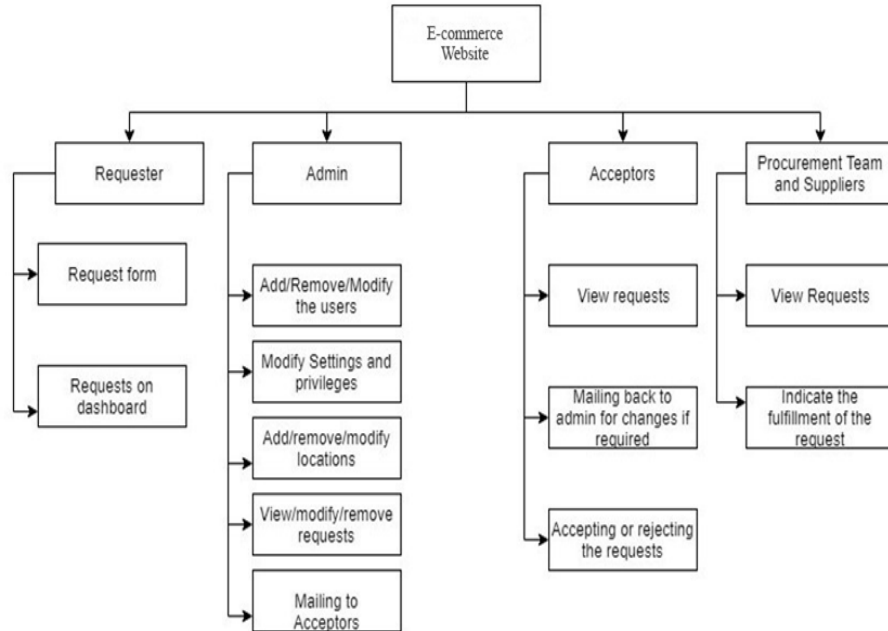
Process flow



Some other sub-processes

1. System registration and login
 - Required LDAP
 - Privileges by admin
2. Updating in fields in real time
 - Real-time update in database as well as its reflection on web page

Architecture



System Components

- Microsoft Server 2016 OS
- XAMPP
- Microsoft SQL Server 2019
- MSSQL drivers
- PHP 7.2 and above
- Supported Web browsers:
- LDAP server

Modules and Libraries

- DataTables
 1. jQuery plugin
 2. Used to manage the tables on front-end web page
- Bootstrap
 1. Framework of CSS, JS and HTML
 2. Used for designing the interactive and dynamic web pages

Conclusion

- Difference is the world outside and world in our comfort zone
- Gained technical knowledge as well as non-technical knowledge existing in corporate companies.
- Got to know how each and every procedure is taken in a critical manner.
- Learnt about management in company
- It was good journey with an experiential learning