

Learning outcomes/ Objectives	LO5: Develop small web-based applications including an HTML,CSS interface, a database interface, Client side(Java Script) and a server application (PHP) to provide complete system functionality
Assessment Weighting (%) or % contribution to assessment component	20%
Issue Date	06 th January 2020
Submission Deadline	Project Specification : 8 th February 2022

Project Specification

You have been assigned to design and develop an e-commerce web application. This document provides you a detail description on guidelines to be followed and the project deadlines.

The web application should comprise

- Presentation logic
- Web Application logic
- Data Access logic
- Data Storage

Functionalities

Font end:

The basic web pages have to be designed properly along with user input validation. (Client side validation)

Sample “must have” pages

- Home Page
- Product /Service Display
- Product detail Page
- Add and View Cart
- User Login
- Registration
- Contact Us / About Us
- Privacy Policy / Terms & Conditions

When a registered user signs in to the system they must be able to do the following functionalities

- View his / her Account / Profile
- View purchase history.
- View Order Tracking
- View Shopping Cart
- Sign out

Back End

There should be web master to manage the web site. Where he can log in to system and update and manage the content. Web master should be able to add, update and delete content.

Example:

- User Management - Administrators / Users / Customer
- Product Management
- Order Management
- FAQ Management

Technologies to be followed

Presentation logic –

Programming Languages - HTML, CSS, Java Script, Ajax
IDE / Platform - Adobe Dreamweaver

Web Application logic –

Programming Languages - PHP
IDE / Platform - Wamp Server

Data Access logic

Programming Languages - SQL

Data Storage

IDE / Platform - MySQL DB

Project Submissions and Deadlines

Submission 1 - Project Proposal

You need to submit a project proposal (Please refer pages 5-6). This document will be reviewed and the approval will be given if it is up to the required level.

Submission 2 - Evaluation - Web application prototype (Presentation, application, data access and data storage logics)

The system prototype will be evaluated based on following factors.

- Client side Programming
- Structure of the database (MYSQL)
- Functionalities
- Quality and user friendliness
- Accuracy

Note : Please note that Zero marks will be given for the groups who fail to meet the deadlines.

Wish you good Luck!!!



ASSIGNMENT TOP SHEET

Higher National Diploma in Information Technology
Sri Lanka Institute of Information Technology

Student Registration Number	Student Name
IT21710674	S.M.N.S Senanayake
Lab Group	PC number
	NA

Module Title : Web Application Development (WAD)		Module Code:
Lecturer in charge : Dr.Gayana Fernando		
Assignment Title : Project Proposal		
Due Date: 08/02/2022	Date Submitted: 07/02/2022	
Please Tick here if you have used a proof-reader for this assessment :		
Turnitin Paper ID*		

*Not required if not submitting via Turnitin

Declaration	
I declare that work presented in the assignment submitted to the Sri Lanka Institute of Information Technology is a record of an original work done by myself. This assessment is submitted in the partial fulfilment of the requirement for the award of the degree of Bachelor of Science in Information Technology. The results embodied in this report have not been submitted to any other University or Institution for the award of any degree or diploma. Information derived from the published or unpublished work of others has been acknowledged in the text and a list of references is given.	
Name(s) and Signature(s) :Naveen	Date: 07/02/2022

Extension Deadline

Lecturer in charge agrees that the assignment may be submitted days after the deadline and should be marked without penalty.

Lecturer in charge confirmation:

Introduction and Description of the Project

The company name: Buy Fresh Co

Website: Buyfresh.lk

It is extremely difficult to start a new business and live through the competition from the well-established and settled owners. In fast paced time of today, when everyone is squeezed for time, the majority of people are finicky when it comes to placing a food order. The customers of today are not only attracted because placing an order online is very convenient but also because they have visibility into the items offered, price and extremely simplified the navigation for the order. Online ordering system through the website presents both customer and management sides. This allows customer to quickly go through the orders and process all orders efficiently with minimal delays and confusion.

1.1 Problem Specification

Keeping record of parcels in a courier service company and their delivery information is carried out manually. A lot of files are opened for daily record of parcels received or delivered. This litters the office with much paper documents. Most often records are misplaced and when a client comes to collect parcel and they spend some house waiting for confirmation of the order. Hence delay is bound to occur while delivering parcel to customers. Using website we will be able to track the riders. Therefore we will be able to take more responsibility about the delivery items we can keep customers update whereabouts their delivery item. Customers will be able to experience the excellent service with our new delivery system. The in present situation health issues due to COVID-19 pandemic buyers are not interesting to visiting to supermarket. Not available every time and cannot see the available items to buyers without visiting the supermarket then too much crowded some peoples are doesn't like to shop with crowed. These are the few main problems in the present situation.

1.2 Solution Outline

The main objective of this project is to develop a website, which deals with 'our Buy Fresh supermarket '. This system has 2 parts that first for the customer and the second for management.

The customer side allows customer to,

- View available delivery rides in his area according to the time of customer checks the website
- View the service charge according to the package's pickup and deliver location
- View tracking details
- Choose delivery options provided by the company

The management side allows the office to,

- View customer orders
- Track delivery riders
- View available riders in the moment
- View daily income, Daily payments etc.

Key Benefits

- The service is available 24/7 so customers can order anything online through the site and get it delivered in time.
- Registered customers get loyalty rewards such as discounts, coupons.
- The website is available in both mobile and computer.
- Purchasing a product via a payment portal is available in the site itself.

2. Details of System Functions:

It is important that the objectives be well thought out and defined. They should be realistic given the time frame.

Each function should be explained as follows:

Name: Welcome Page

Description: The Main Web page of the site which the customers see at first when they load onto the URL. This page contains the main portals to other web pages and the Special offers and the latest arrivals of the products to Fusion Tech.

Name: Product Categories Page

Description: The product categories which are available in the store separated for easy access.

Name: Product Page

Description: After choosing the product category, this shows the products that are available in the store with the product Ratings and Reviews from other customers as well.

Name: Login/Registration Portal

Description: A portal where users/customers are registered to the website and have access to purchase products and participate in giveaways/latest news and rewards.

Name: Wish list

Description: Registered users can add products to the wish list before purchasing.

Name: Cart

Description: Adding products to a list which is ready to be checked out and purchased

Name: Checkout

Description: With the product finally added to the cart, a customer can checkout and observes the estimated time to get the product delivered.

Name: Payment Portal

Description: Registered users can purchase the product using PayPal, MasterCard, Visa, Amex.

Name: Client chat portal

Description: Registered users could chat with the staff regarding their problems.