***DAY 5 –* Life Cycle of a software – Building an end to end Project**

**A Home Page Creation for a Website.**

**Low Level Functional Design Document**

**By Kowshik Kumar Aitha**

**Table of Contents –**

Day2 – Life Cycle of a Software – building an end to end project

Buy 1 Get 1 offer for the baby products.

1. Introduction
2. Overview
3. Implementing a functional document which needs to be create a home page for a retail company website.
4. Pre-requisites
5. Expected Outcomes

Introduction

This document is being create to capture low level business requirements for Sand Box Retail Website.

Overview

This document details the low-level design of creation of user login page for Sandbox Retail Website.

Implementing Login Page for Sand Box Retails Website

Steps:

1. To implement a Login page for a Sandbox website. First, we need to implement a web page which represents as login page.
2. Before the implementation of the login Page. We need to be created a sign-up page.
3. For creating a sign-up page. We need the following pre-requisites to ask for the User.
   1. First Name: It should be started with the Capital letter and no numerical to be taken.
   2. Last Name: It should not contain any special characters.
   3. Email ID: It should contain a character ‘**@**’.
   4. Password: It should contain alphabets, numeric, and a special character.
   5. Password Confirmation: It should match with the above password given by the User.
   6. Captcha: It should check whether the User is a human or robot, and to crosscheck with the following images to be marked.
4. After the user created a signup page and the user need to be login with his Email ID and his password.
5. After the creation of sign up page and the login page. We need to add a UX / UI interface. Which will save the time to the user. The UI should generate a following sign up page using Google or Microsoft account.
6. Once the details are entered and to be login to the website and there will be a confirmation mail had sent to the email for the verification. Whether the email is correct.
7. After the verification process, the credentials are validated in the database table.
8. For storing the data, we need to create a database from the local server. We use SQL or NoSQL Database.
9. If the User Name and Password both are validated for a user in Database, he should be directed to Sand box Retails Products Page. Otherwise, a message stating “**User Not Found**” should be prompted.
10. Whenever the user gets to login to this website. He should be remembered his mail ID and his password. Otherwise, there should be a button which states that there will be a **forgot password**. After onclick there will be a confirmation mail to the User to the user to have an OTP. Which will be applied to the webpage. To change the password.
11. After the completion of this processes. These all are hosted to a web domain with a unique IP address and web hosting HTTP protocol. This HTTP protocol is more useful to access the website.

Pre – Requisites

1. User needs to have account in Sandbox Retail Page.

Expected Outcomes

Sandbox Retail User Login Credentials are authenticated/validated.