CREATIVE CYBER SOLUTIONS

WEBSITE SYSTEM DESIGN DOCUMENT

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Purpose

This term we will be re-creating the Creative Cyber Solutions website. The new website will be styled different and have bugs fixed. The way your website impact clients at first site is what will determine their decision to choose your service. The company would like to get a chance to gain potential clients to help the business grow, not only locally but, globally.

Intended audience

CCS is intending to use Enterprise Resource Planning (ERP) systems for businesses that need to integrate areas such as planning, purchasing, inventory, sales, marketing, finance and human resources.

Team members’ responsibility

Cody – Designer and programmer

John – Programmer

Yadira – Programmer

System Requirements

Functional Requirements

* The system shall allow visitors to:
  + Navigate through the main pages
  + View offered services
  + Contact Creative Cyber Solutions with inquiries
  + View the members of the Creative Cyber Solutions team
  + Register
* The system shall allow registered users to:
  + Navigate through the main pages
  + View offered services
  + Contact Creative Cyber Solutions with inquiries
  + View the members of the Creative Cyber Solutions team
  + Log in and Log out
  + Send messages
  + View sent and received messages
  + View his/her projects
  + Request projects
  + View invoices
* The system shall allow administrators to:
  + Navigate through the main pages
  + View offered services
  + Contact Creative Cyber Solutions with inquiries
  + View the members of the Creative Cyber Solutions team
  + Log in and Log out
  + Send messages
  + View sent and received messages
  + View all clients’ projects
  + Request projects
  + Add new projects
  + View all products
  + Add products to projects
  + Add notes to projects
  + Add new products
  + View registered users list
  + View each user’s account
  + Delete user accounts

Non-Functional Requirements

* The system must be reliably accessible across multiple devices.
* The website needs to be aesthetically appealing with the aim of generating potential clients.

Implementation Requirements

* The system must use C# with the ASP.NET CORE 2 MVC Framework
* The system needs to use secured networks for transferring customer information
* The system will rely on a MSSQL Server RDBMS
* The system must encrypt and hash database content whenever possible to maximize the security of customer information
* The system will use HTML, CSS, jQuery, and Bootstrap to support its UX design and responsive design elements
* WCAG2 & 508 Accessibility Compliance

Supportability Requirements

* The system will be set up and tested by the development team.
* The system needs to require little or zero maintenance or upkeep as the initial agreement does not include a maintenance or support plan.
* All content and functions need to be editable and manageable by the on-site administrator associated with the client company.
* Basic instruction on how to restart the web server system in case of minor faults will be necessary for client self-administration, along with basic troubleshooting tips.
* Provide available resource list to the client so they have direction to in the event the system needs updated or upgraded.

Data design

New Reservation system Entities:

* Property
* Site
* Site\_Type
* User
* Payment
* Search

New Reservation system Attributes

* Search\_Filter\_ID
* Property\_Name
* Arrival\_Date
* Departure\_Date
* Promotional\_Code
* Guest\_Amount
* Child\_Amount
* Search\_Filters
* Site\_ID
* Site\_Name
* Availability
* Rate\_Description
* Full\_Rate
* No.OfArea
* Site\_Type\_ID
* Site\_Type\_Name
* User\_ID
* User\_Name
* Payment\_ID
* Price
* Payment\_History
* Property\_ID
* Property\_Name