Rajiv Gandhi University of Knowledge Technologies

R.K Valley, Y.S.R Kadapa (Dist) – 516330

A Project Report on

Elder Care Management

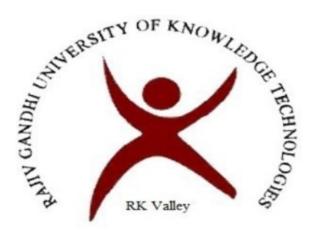
System

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Under the guidance of

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Department of Computer Science Engineering

This project report has been submitted in fulfillment of the requirements for the Degree of Bachelor of Technology in software Engineering.

Rajiv Gandhi University of Knowledge Technologies IIIT, R.K. Valley, YSR Kadapa (Dist) – 516330



CERTIFICATE

This is to certify that report entitled "Elder Care Management System" Submitted by J.S.Thanuja(R170100), P.Gowri Varalakshmi (R170885), G.N.Tharun (R170045) fullfillment of the requirements of the award of bachelor of technology in Computer Science Engineering is a bonafide work carried by the them under the supervision and guidance. The report has been not submitted previously in part or full to this or any other university or institue for the award of any degree or diploma.

GUIDE

HEAD OF THE DEPARTMENT

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DECLA	ARATION
Submitted by us under the guidance and Super	port entitled "Elder Care Management System rvision of Mrs.S.Rajeshwari, is a bonafide work. ted previously in part or in full to this University e or diploma.
Date:- 05-05-2023	J.S. Thanuja (R170100)
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ABSTRACT An old age home is a shelter that is home to the older and needy people who the family has abandoned. Now a days homeless old age people are increasing rapidly, even though we have a lot of old age homes, many of us does not know about their address, location, strength, its activities etc. And there are many individual websites for a particular old age home, but there is no website which gives data about all the old age homes and which can handle every old age home through a single website. Our project is about the website which gives data about every old age home and we manage every old age home through a single website. In this project, we have developed a website which can handle multiple old age homes. This website contains five major sections, those are, the admin, the vacancy check, the donation, the volunteer and the media. Admin page is for the one who take care of the old age home, this admin performs all the functions like adding old age home person data, removing person data etc. The vacancy check page is useful for users to get the data related to every old age home. Through donation section people can donate the money to the organizations. People who want to work as a volunteer can contact us through this component. And finally media section displays the all the activities performed through this website.

INTRODUCTION

The aging of population is a global issue, most children who are busy with their work have little time to take care of their parents and have a great pressure on parent support. As most elderly become empty nesters, monitoring the living status of them is to solve not only family problems but also social problems. Even though there are multiple number of old age homes, people doesn't know anything about those homes location,address,the capacity of particular old age home,the activities of particular old age home etc. There are some people who want to help these homeless elder people, due to lack of information about the old age home addresses or they may doesn't know how to join these old age persons in old age homes. This is where the ELDER CARE MANAGEMENT SYSTEM enters helps in streamlining the whole process, where people can get all the data about every old age home system, people can contact with admin of old age home he/she wants. There is an individual admin for every old age home. He provides information about the process and he clarifies people queries. Each old age home system has separate id called admin id. Admin manages the old age home data based on this admin id.

People can get all the data about particular old age home through vacancy check section. This component provides old age home address, admin mobile number, id of the old age home etc. Through donation section people can donate fund for the organization, donated people data stores in database once they complete their payment. People can work as volunteers by enroling their details in the form given in volunteer section. People can get all the information about the activities and functions of home through about us section. The security of data is done by the encrypted format and server database of the old age home.

PURPOSE

The main purpose of Elder Care Management System provides all the data about multiple old age homes and multiple old age homes can be managed through this single website. This system helps admin to manage data of old aged persons in an efficient way. This system reduces the saves people time by providing every home data at one website otherwise people has to spend a lot of time for choosing the old age home.

SCOPE

The system will maintain location wise old age home details of particular region. The system will also provides the rating given the people for that old age home based on the rating people can select old age home. The system will provide list of old age homes to choose the perfect one.

Advantages:

- Saves user time.
- Multiple old age homes can be handled through a single website.
- Users can check vacancies of every old age home.
- Increases users satisfaction.
- Old age home can be handled in an efficient way.
- User can choose the perfect old age home according to his/her needs.

Requirement Specification

Hardware Configuration:-

Client Side:

Ram	512 MB
Hard disk	10 GB
Processor	1.0 GHz

Software Requirenment:-

Front End	HTML, CSS, Java Script, Jquery, Mysql, PHP.
Web Browser	Firefox , Google Chrome or any compatible browser
Operating System	Ubuntu, Windows or any equivalent OS
Technology	Web Development

HTML:-

HTML is a markup language that defines the structure of your content. HTML consists of a series of elements, which you use to enclose, or wrap, different parts of the content to make it appear a certain way, or act a certain way. The enclosing tags can make a word or image hyperlink to somewhere else, can italicize words, can make the font bigger or smaller, and so on.

CSS:-

Cascading Style Sheets is a stylesheet language used to describe the presentation of a document written in HTML or XML . It describes how elements should be rendered on screen, on paper, in speech, or on other media. It helps Web developers create a uniform look across several pages of a Web site. Instead of defining the style of each table and each block of text within a page's HTML commonly used styles need to be defined only once in a CSS document. It can be used to define the cell padding of table cells, the style, thickness, and color of a table's border, and the padding around images or other objects. This is why most Web pages today incorporate cascading style sheets.

Java Script:-

JavaScript is a scripting or programming language that allows you to implement complex complex features on web pages every time a web page does more than just sit there and display static information for you to look at displaying timely content updates, interactive maps, animated 2D/3D graphics, scrolling video jukeboxes, etc.,It is the third layer of the layer cake of standard web technologies, two of which HTML and CSS. A very common use of JavaScript is to dynamically modify HTML and CSS to update a user interface, via the Document Object Model API. Look at that the code in your web documents is generally loaded and executed in the order it appears on the page.

Jquery:-

jQuery is a JavaScript framework designed to simplify HTML DOM tree traversal and manipulation, as well as event handling, CSS animation, and Ajax.It is free and open source framework.

MySQL:-MySQL is a widely used relational database management system (RDBMS). MySQL is free open source. This tutorial will give you great understanding on Mysql concepts needed to create and deploy a highly scalable and performance-oriented database. PHP:-PHP is mainly focused on server-side scripting, so you can do anything any other CGI program can do, such as collect from data, generate dynamic page content, or send and receive cookies. But PHP can do more.

Analysis and Design

Analysis:

Now a days homeless old age persons are increasing rapidly, due to the rapid developement in technology everything is available in online mode. Even though there are multiple number of old age homes, still may people doesn't know about its location, joining process etc. There is no website which can handle muitple old age homes. To solve this problem we came up **"EDER CARE MANAGEMENT SYSTEM"** . It provides a data about multiple old age homes at one webiste. This website helps to manage the mutiple number of old age homes through a single website. In this website user can check the old age home details present in the vacancy check page, user can select the perfect old age home according to location, needs and activities. In this website for every home, there is an admin who manages all the data related to that old age home. The updataion, deletion and insertion of citizems data can be done. This system will be helpful for the users to select the old age home as soon as possible. And we can handle multiple old age homes. In this system there is a an option to donate, these donation data maintanins by admin. And out online system provides a chance for users to work as volunteers, people can work as a volunteer by selecting the form, through volunteer section we can peeform many more useful tasks like food drive, fund raising, plantation, etc. In this way our online system saves user time and can handle old age homes effectively.

Design Introduction:-

Design is the first step in the development phase for any techniques and principles for the purpose of defining a device, a process or system in sufficient detail to permit its physical realization. Once the software requirements have been analyzed and specified the software design involves three technical activities - design, coding, implementation and testing that are required to build and verify the software.

Design is the place where quality is fostered in development. Software design is a process through which requirements are translated into a representation of software. Software design is conducted in two steps. Preliminary design is concerned with the transformation of requirements into data. The design activities are of main importance in this phase, because in this activity, decisions ultimately affecting the success of the software implementation and its ease of maintenance are made. These decisions have the final bearing upon reliability and maintainability of the system. Design is the only way to accurately translate the customer's requirements into finished software or a system.

UML Diagrams:

Actor:-A coherent set of roles that users of use cases play when interacting with the use cases an observable result of value of an actor.

Use case:- A description of sequence of actions, including variants, that a system performs yields an observable result of value of an actor. An actor diagram is drawned in a eclipse shape.

UML stands for Unified Modeling Language. UML is a language for specifying, visualizing and documenting the system. This is the step while developing any product after analysis. The goal from this is to produce a model of the entities involved in the project which later need to be built. The representation of the entities that are to be used in the product being developed need to be designed.

Use Case Diagrams:

Use case diagrams model behavior within a system and helps the developers understand of what the user require. The stick man represents what's called an actor.

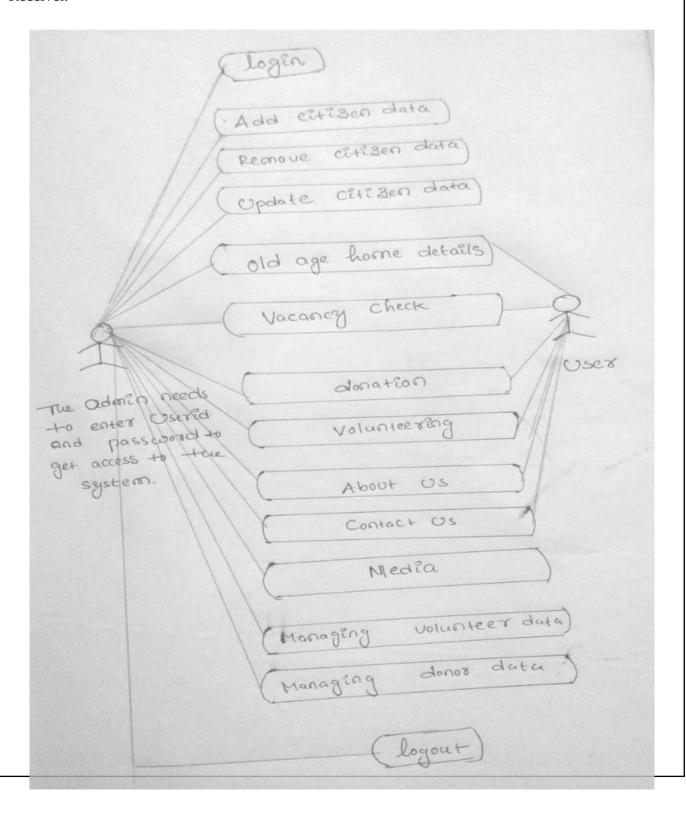
Use case diagram can be useful for getting an overall view of the system and clarifying that can do and more importantly what they can't do.

Use case diagram consists of use cases and actors and shows the interaction between the use case and actors.

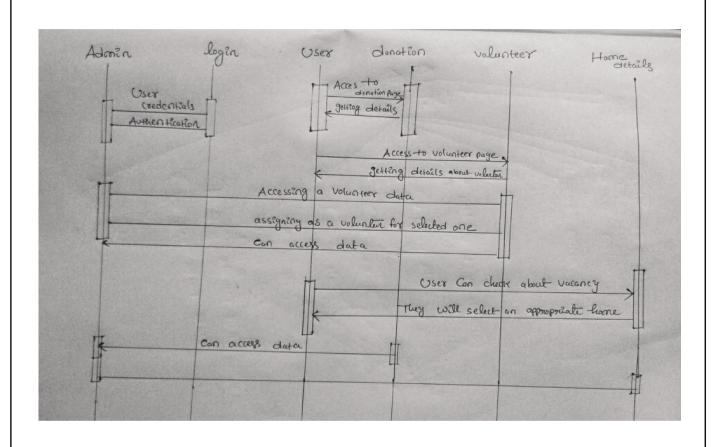
- The purpose is to show the interactions between the use case and actor.
- To represent the system requirements from user's perspective.
- An actor could be the end-user of the system or an external system.

UseCase Diagram:-

A Use case is a description of set of sequence of actions. Graphically it is rendered as an ellipse with solid line including only its name. Use case diagram is a behavioural diagram that shows a set of use cases and actors and their relationship. It is an association between the use cases and actors. An actor represents a real-world object. Primary Actor – Sender, Secondary Actor Receiver.



Sequence Diagram:-



ER Diagram:-

The Entity-Relationship (ER) model was originally proposed by Peter in 1976 [Chen76] as a way to unify the network and relational database views. Simply stated the ER model is a conceptual data model that views the real world as entities and relationships. A basic component of the model is the Entity-Relationship diagram which is used to visually represent data objects. Since Chen wrote his paper the model has been extended and today it is commonly used for database design for the database designer, the utility of the ER model is:

- It maps well to the relational model. The constructs used in the ER model can easily be transformed into relational tables.
- It is simple and easy to understand with a minimum of training. Therefore, the model can be used by the database designer to communicate the design to the end user.
- In addition, the model can be used as a design plan by the database developer to implement a data model in specific database management software.

ER Notation:

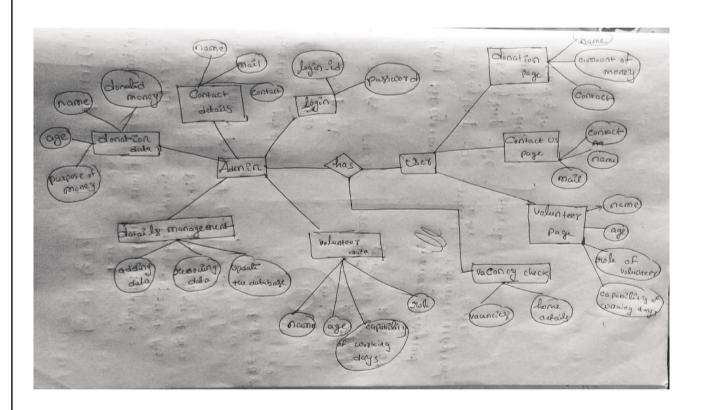
There is no standard for representing data objects in ER diagrams. Each modeling methodology uses its own notation. The original notation used by Chen is widely used in academics texts and journals but rarely seen in either CASE tools or publications by non-academics. Today, there are a number of notations used; among the more common are Bachman, crow's foot, and IDEFIX.

All notational styles represent entities as rectangular boxes and relationships as lines connecting boxes. Each style uses a special set of symbols to represent the cardinality of a connection. The notation used in this document is from Martin. The symbols used for the basic ER constructs are:

- Entities are represented by labeled rectangles. The label is the name of the entity. Entity names should be singular nouns.
- Relationships are represented by a solid line connecting two entities. The name of the relationship is written above the line. Relationship names should be verbs.
- Attributes, when included, are listed inside the entity rectangle. Attributes which are identifiers are underlined. Attribute names should be singular nouns.

- **Cardinality** of many is represented by a line ending in a crow's foot. If the crow's foot is omitted, the cardinality is one.
- **Existence** is represented by placing a circle or a perpendicular bar on the line. Mandatory existence is shown by the bar (looks like a 1) next to the entity for an instance is required. Optional existence is shown by placing a circle next to the entity that is optional.

ER Diagram:



Implementation and System Testing

After all phase have been perfectly done, the system will be implemented to the server and the system can be used.

System Testing:

The goal of the system testing process was to determine all faults in our project.

The program was subjected to a set of test inputs and many explanations were made and based on these explanations it will be decided whether the program behaves as expected or not. Our Project went through two levels of testing

- 1. Unit testing
- 2 .Integration testing

Unit Testing:

Unit testing is commenced when a unit has been created and effectively reviewed .In order to test a single module we need to provide a complete environment i.e. besides the section we would require The procedures belonging to other units that the unit under test calls Non local data structures that module accesses. A procedure to call the functions of the unit under test with appropriate parameters.

1. Test for the Login:-

Testing the Login module- This module is used to login to the website by entering the credentials of username email and password.

2.Test for the Registration:-

Testing the Registration module – This module is used to register the customer in this module if the customer is new to this. By enter the name, gmail, date of birth, password and cofirm password.

Integration Testing:

In the Integration testing we test various combination of the project module by providing the input. The primary objective is to test the module interfaces in order to confirm that no errors are occurring when one module invokes the other module.

Coding

homepage.php

```
<?php
     session_start();
  ?>
 <!DOCTYPE HTML>
 <html>
 <head>
     <meta charset="utf-8">
     <meta name="viewport" content="width=device-width, initial-scale=1.0">
     <title> Elder Care Management System</title>
     <link rel="stylesheet" type="text/css" href="style.css">
     k rel="stylesheet" type="text/css" href="home.css">
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome</pre>
    /4.7.0/css/font-awesome.min.css">
    <script src=
        "https://ajax.googleapis.com/ajax/libs/jquery/3.2.1/jquery.min.js">
    </script>
</head>
<body>
    <div class="top">
        <div>
          <img src="weblogo.png" height="160" width="160" class="logo" >
        </div>
    <div class="title"> Elder Care Managemant System</div>
    <div id="admin">
    <button class="ad" onclick="location.href='loginform.php"">Admin</button>
      </div>
   </div>
  <div id="nav">
  <nav>
```

```
<a href="#">Home</a>
   <a href="homelist.php">Vacancy Check</a>
   <a href="contact.php">Contact Us</a>
   <a href="donation.php">Donation</a>
  <a href="volunteer.php">Volunteer</a>
   <a href="media.php">Media</a>
 style="float:right"><a class="active" href="aboutus.php">About Us</a>
</nav>
</div>
   <div class="slides slowFade">
   <div class="slide">
        <img src="1.jpg" alt="img"/>
  </div>
  <div class="slide">
    <img src="2.jpg" alt="img"/>
 </div>
 <div class="slide">
     <img src="3.jpg" alt="img"/>
  </div>
 <div class="slide">
   <img src="4.jpeg" alt="img"/>
 </div>
 <div class="slide">
   <img src="5.jpg" alt="img"/>
 </div>
   </div>
 <footer>
    <h1 style="font-size:21px;">Elder Care Management System </h1>
Elder Care Managent System is a website <br/>br/>which handles information about
   aged and homeless people. <br/>
This website gives information about
  vacancies in rayalaseema districts.
<div class="socialmedia">
  <a href="#" class="fa fa-facebook"></a>
```

```
<a herf="#" class="fa fa-instagram"></a>
   <a herf="#" class="fa fa-linkedin"></a>
   <a href="#" class="fa fa-twitter"></a>
</div>
<div class="links">
 <button class="button button1"</pre>
     onclick="location.href='index.php'">Home</button>&nbsp
 <button class="button button2"</pre>
      onclick="location.href='aboutus.php'">About</button>&nbsp
<button class="button button3"</pre>
   onclick="location.href='contact.php'">Contact</button>&nbsp
<button class="button button4"</pre>
   onclick="location.href='donation.php'">Donate</button>&nbsp
 <button class="button button5" onclick="location.href='homelist.php'">Vacancy
   Check</button>
 </div>
  <div class="end">
 >
  © Copyright 2023 Elder Care Managemant System. All rights reserved
   &nbsp&nbsp&nbsp&nbsp &nbsp &nbsp &nbsp<a href="privacy.php"
   style="color:black">privacy policy</a> &nbsp&nbsp&nbsp
   &nbsp&nbsp <a href="conditions.php" style="color:black">Terms and Conditions</a>
   &nbsp&nbsp &nbsp Disclaimer 
 </div>
 </footer>
 </body>
</html>
Admin_Signup.php
   <?php
        // Include config file
        require_once "config.php";
        $email=$username = $password = $confirm_password = "";
```

```
$email_err=$username_err = $password_err = $confirm_password_err = "";
// Processing form data when form is submitted
if($_SERVER["REQUEST_METHOD"] == "POST"){
// Validate username
 if(empty(trim($_POST["username"])))
  $username err="please enter username";
 }
else if(!empty(trim($_POST["username"])))
 {
    $username=trim($_POST["username"]);
  }
 if(empty(trim($_POST["email"]))){
   $email_err = "Please enter an email.";
   elseif(!preg match('/^\w+([\.-]?\w+)*@\w+([\.-]?\w+)*(\.\w{2,3})+$/',
 trim($_POST["email"]))){
 $email_err = "enter correct email address.";
 } else{
    // Prepare a select statement
   $sql = "SELECT id FROM userlogin WHERE Email = ?";
 if($stmt = mysqli_prepare($con, $sql)){
    // Bind variables to the prepared statement as parameters
    mysqli_stmt_bind_param($stmt, "s", $param_username);
    // Set parameters
    $param_username = trim($_POST["email"]);
// Attempt to execute the prepared statement
if(mysqli_stmt_execute($stmt)){
  /* store result */
  mysqli_stmt_store_result($stmt);
  if(mysqli_stmt_num_rows($stmt) == 1){
    $email_err = "This username is already taken.";
  } else{
    $email = trim($_POST["email"]);
  }
```

```
} else{
       echo "Oops! Something went wrong. Please try again later.";
    }
    // Close statement
    mysqli_stmt_close($stmt);
  }
}
// Validate password
 if(empty(trim($_POST["password"]))){
       $password_err = "Please enter a password.";
   } elseif(strlen(trim($_POST["password"])) < 6){</pre>
    $password_err = "Password must have atleast 6 characters.";
  } else{
   $password = trim($_POST["password"]);
}
// Validate confirm password
   if(empty(trim($_POST["confirm_password"]))){
        $confirm_password_err = "Please confirm password.";
     } else{
        $confirm_password = trim($_POST["confirm_password"]);
        if(empty($password_err) && ($password != $confirm_password)){
          $confirm_password_err = "Password did not match.";
       }
   }
  // Check input errors before inserting in database
   if( empty($username_err) && empty($email_err) && empty($password_err) &&
  empty($confirm_password_err)){
  $stmt = $con->prepare("insert into userlogin(username,Email,password)
  values(?,?,?)");
  $stmt->bind_param("sss",$username,$email,$password);
  $stmt->execute();
   echo "<script>
      alert('Your Account Created Successfully');
```

```
location:'loginform.php';
</script>";
$stmt->close();

// Close connection
mysqli_close($con);
}

?>
```

Donation.php:

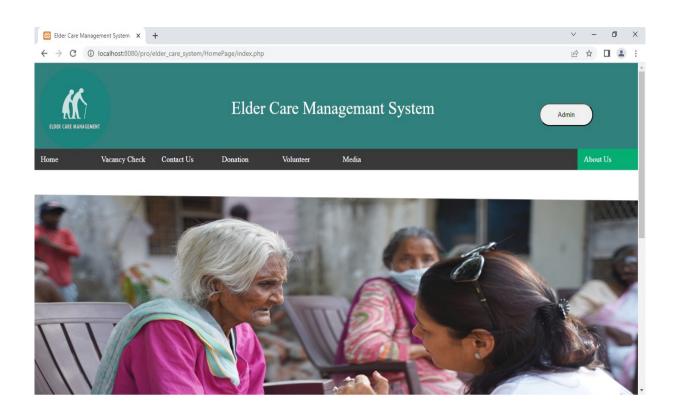
```
<?php
  session_start();
?>
<!DOCTYPE html>
  <html>
   <head>
      <meta name="viewport" content="width=device-width, initial-scale=1">
      <link rel="stylesheet" href="donate.css">
  </head>
 <body>
     <div class="header">
        Elder Care Management System
    </div>
  <div id="top">
      <button onclick="location.href='loginform.php"">Admin</button>
  </div>
 <div id="navbar">
    <a class="active" href="index.php">Home</a>
    <a href="homelist.php">Vacancy check</a>
    <a href="contact.php">Contact us</a>
```

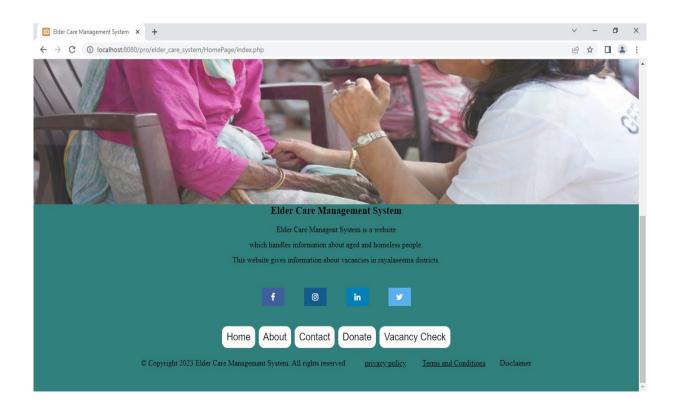
```
<a href="volunteer.php">Volunteer</a>
      <a href="donation.php">Donation</a>
     <a href="media.php">Media</a>
     <a href="aboutus.php" style="float:right">About Us</a>
</div>
<div class="content">
<h1> Donate Now</h1>
<form method="post" action="">
      <div class="data">
     <div id="form1">
    <label>Enter Name:</label><br>
                 <input type="text" class="size" name="name" value="" id="name" \</pre>
  placeholder="enter name" required><br>
    <label for="id2">Select Gender:</label><br>
           <select id="id2" name="gender" class="size">
                 <option value="" >select</option>
                 <option value="Male">Male</option>
                 <option value="Female">Female</option>
                 <option value="Others">Others</option>
          </select><br>
<label>Phone Nmber:</label><br>
          <input type="text" placeholder="enter number" name="phone" value=""
  class="size" id="number" required><br/>
<label> Email :</label><br>
<input type="email" placeholder="Email" name="email" class="size" value=""</pre>
id="email" required><br>
<label>Address :</label><br>
  <textarea style="width:250px; height:20px" name="address"></textarea><br>
</div>
<div id="form2">
<label>Enter Amount:</label><br>
                 <input type="number" class="size" placeholder="enter amount"
   name="amount" id="amount" min="1" max="1000000" required/><br>
                 <label for="id1">Select project:</label><br>
                 <select id="id1" name="project" class="size">
```

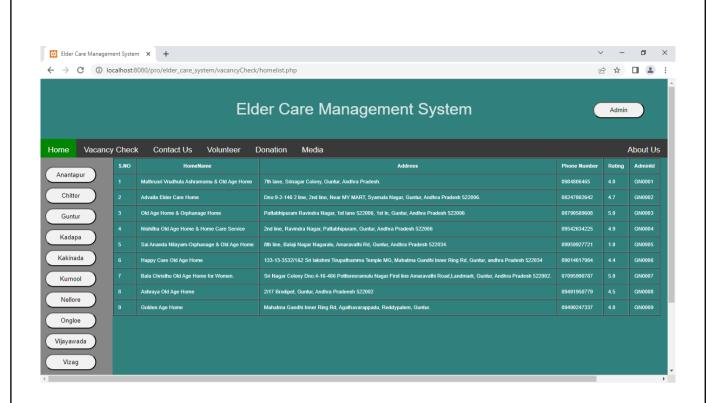
```
<option value="">select</option>
             <option value="Clothes">Clothes
                 <option value="Festive Celebrations">Festive
                 Celebrations</option>
          <option value="Food">Food</option>
                 <option value="Helath Camps">Health Camps
                 <option value="Medical Support">Medical Support
                 <option value="One Time Donation">One Time Donation
                 </select><br><br>
      <input type="submit" name="submit" value="Donate Now" id="rzp-button1">
 </div>
</form>
</div>
 <script src="https://checkout.razorpay.com/v1/checkout.js"></script>
 <script>
  var name = document.getElementById("name").value;
 var mobile = document.getElementById("number").value;
  var email = document.getElementById("email").value;
var amount = document.getElementById("amount").value;
var options = {
 "key": "rzp_test_FN3IFn2zwZA6Ic", // Enter the Key ID generated from the Dashboard
 "amount": "50000", // Amount is in currency subunits. Default currency is INR. Hence,
 50000 refers to 50000 paise
 "currency": "INR",
 "name": "Elder Care Management ", //your business name
"description": "Test Transaction",
 "image": "https://example.com/your_logo",
 "callback_url": "donation.php",
 "prefill": {
 "name": name, //your customer's name
 "email": email,
 "contact":mobile
  },
 "notes": {
     "address": "Razorpay Corporate Office"
 },
```

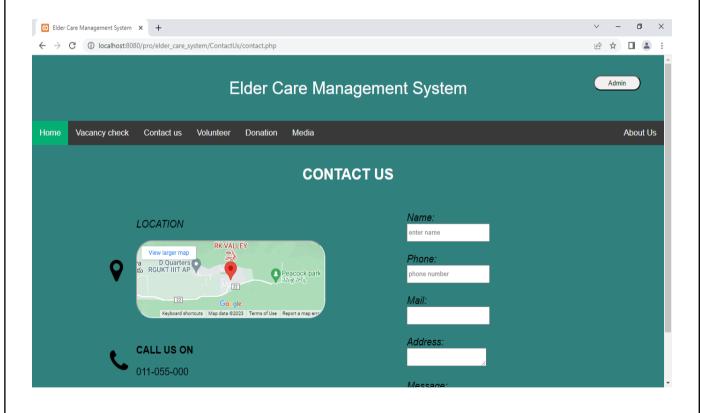
```
"theme": {
     "color": "#3399cc"
    }
};
var rzp1 = new Razorpay(options);
  rzp1.on('payment.failed',function(response)
  {
     alert(response.error.code);
    alert(response.error.description);
    alert(response.eror.source);
    alert(alert.error.step);
   alert(response.error.reason);
   alert(response.error.metadata.order_id);
   alert(response_error.metadata.payment_id);
})
   document.getElementById('rzp-button1').onclick = function(e){
    rzp1.open();
    e.preventDefault();
  }
</script>
<script>
  window.onscroll = function() {myFunction()};
   var navbar = document.getElementById("navbar");
   var sticky = navbar.offsetTop;
 function myFunction() {
     if (window.pageYOffset >= sticky) {
  navbar.classList.add("sticky")
    } else {
      navbar.classList.remove("sticky");
      }
  }
  </script>
  </body>
  </html>
```

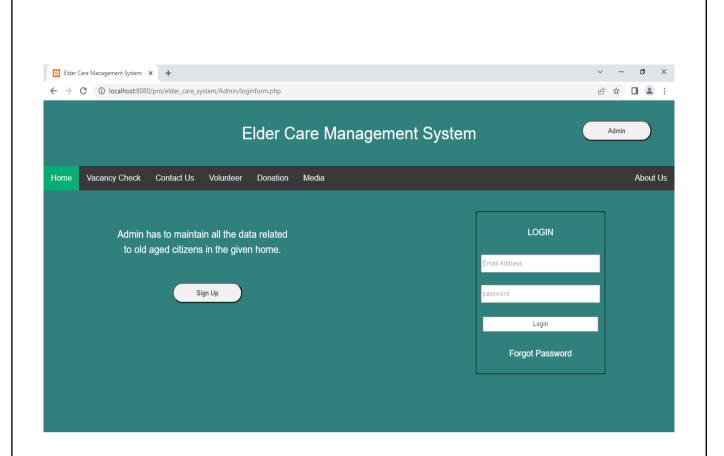
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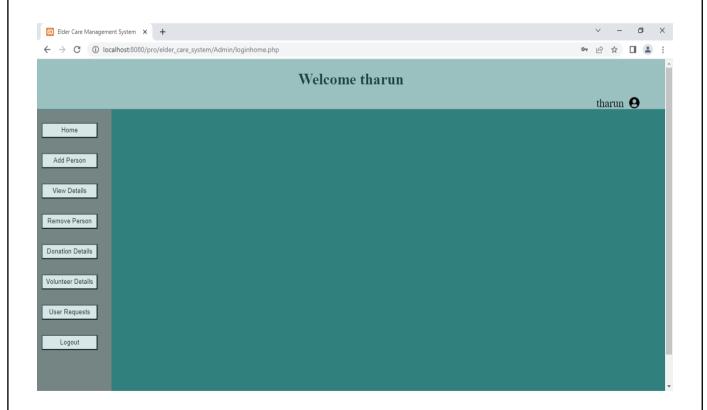


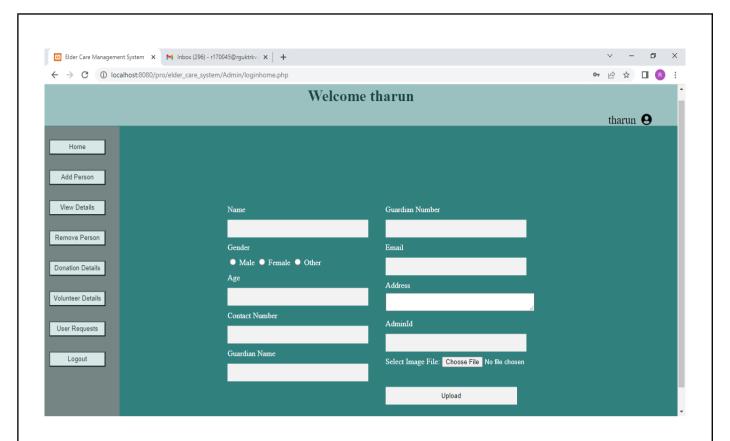


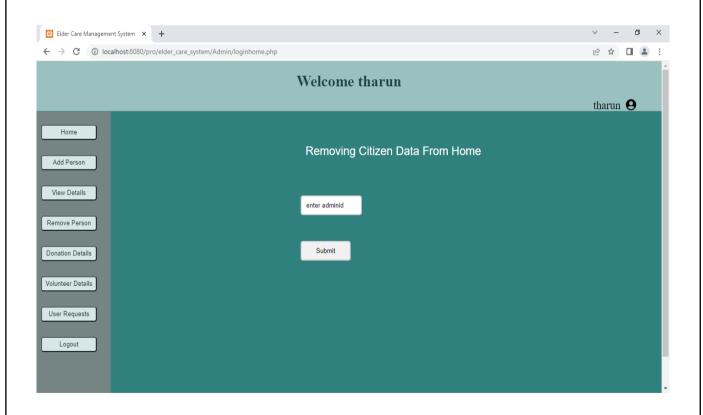


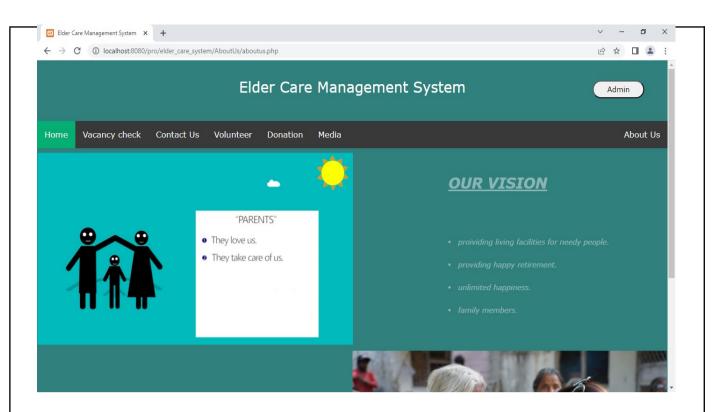


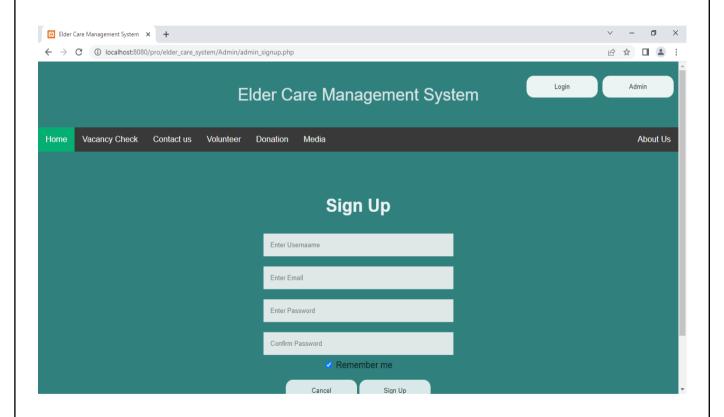


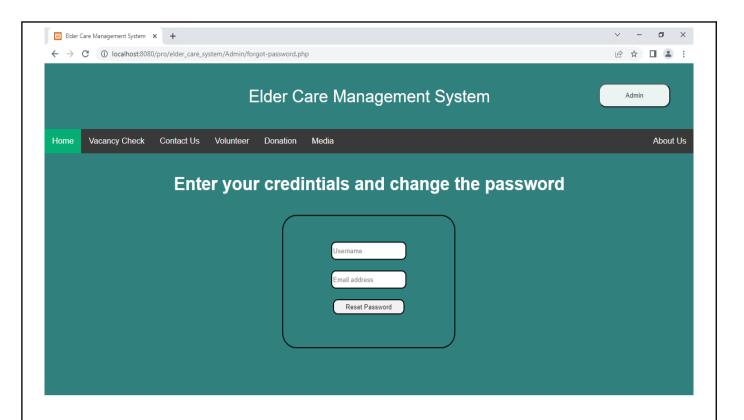














Conclusion

The development of Elder Care Management System involved many phases.

We have used the top-down approach, in this approach, first we concentrate on first level and moving to successive levels. The first phase started with a detailed study of the problems. This system is efficient in maintaining old age home details, multiple old age homes can be maintained through single software. It provides all the old age homes data at one place and saves users time.

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