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| HOTEL MANAGEMENT SYSTEM |
| A CAPSTONE PROJECT  Submitted By |
|  |
| G. HEMANTH  192224095 |
| In Partial Fulfillment for the completion of the course  CSA0912  Programming in java for accessing data base |
| Sep 2024 |
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| SAVEETHA INSTITUTE OF MEDICAL AND TECHNICAL SCIENCES  CHENNAI - 602105  TAMIL NADU, INDIA |



# **BONAFIDE CERTIFICATE**

This is to certify that the project report entitled **hotel management system** submitted by

G.Hemanth , 192224095 to Saveetha School of Engineering, Saveetha Institute of Medical and Technical Sciences, Chennai, is a record of bonafide work carried out by him/her under my guidance. The project fulfills the requirements as per the regulations of this institution and in my appraisal meets the required standards for submission.

Dr.K.Jayasakthi Velmurugan

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|  | ABSTRACT  The Hotel Management System (HMS) is a comprehensive software application designed to enhance the operational efficiency of hospitality businesses. With the rapid advancements in technology, traditional hotel management methods have become increasingly outdated, leading to inefficiencies and customer dissatisfaction. This system automates key functions such as room reservations, guest check-in and check-out, billing, and inventory management, thereby streamlining operations and minimizing human error.  The HMS is built with a user-friendly interface, ensuring that hotel staff can easily navigate through various functionalities. By maintaining a centralized database, the system provides real-time access to essential information, allowing for better decision-making and enhanced guest experience. The introduction of automated reporting tools enables management to track performance metrics, identify trends, and optimize resource allocation. Overall, the Hotel Management System aims to revolutionize hotel operations, resulting in improved service delivery and increased profitability.  Additionally, the system supports guest data storage, enabling personalized services, and provides financial reporting tools to track income and expenses. The integration of customer feedback mechanisms and loyalty programs further enhances guest engagement. With an intuitive user interface and a secure backend, this system optimizes daily hotel operations, ensuring seamless service delivery and efficient resource management.  INTRODUCTION  The hospitality industry is a vital sector of the global economy, characterized by its dynamic nature and the need for efficient operations. As the demand for lodging services continues to grow, hotels face the challenge of managing their resources effectively while providing high-quality customer service. The Hotel Management System addresses these challenges by integrating various hotel management tasks into a single platform.  This project aims to develop a system that not only simplifies administrative tasks but also enhances the guest experience. The primary features of the HMS include:   * Room Reservation: Allowing guests to book rooms online, view availability in real-time, and receive instant confirmations. * Check-in and Check-out Management: Streamlining the process for both guests and staff to reduce wait times and enhance satisfaction. * Billing and Payments: Automating the invoicing process, integrating payment gateways for online transactions, and providing clear billing statements to guests. * Inventory Management: Tracking the stock of supplies and equipment, facilitating timely replenishment, and minimizing wastage.   Through these features, the HMS seeks to create a more efficient workflow within hotels, ultimately leading to enhanced guest satisfaction and loyalty.  ARCHITECTURE DIAGRAM    4. FLOWCHART    5. UML DIAGRAM    6. CLASS DIAGRAM    7. CODE IMPLEMENTATION  The code implementation section will detail the various programming languages and technologies used to build the Hotel Management System. Key components may include:   1. Frontend Code:    * HTML for the structure of web pages.    * CSS for styling and layout.    * JavaScript or frameworks like React/Vue.js for interactivity and dynamic content.   Example:  <!DOCTYPE HTML>  <html>  <head>  <title>Hotel Website | Home</title>  <link href="css/style.css" rel="stylesheet" type="text/css" media="all" />  <link href='http://fonts.googleapis.com/css?family=PT+Sans+Narrow' rel='stylesheet' type='text/css'>  <link rel="stylesheet" href="css/responsiveslides.css">  <script src="http://ajax.googleapis.com/ajax/libs/jquery/1.8.3/jquery.min.js"></script>  <script src="js/responsiveslides.min.js"></script>  <script>  $(function () {  $("#slider1").responsiveSlides({  maxwidth: 1600,  speed: 600  });  });  </script>  </head>  <body>  <!---start-Wrap--->  <!---start-header--->  <div class="header">  <div class="wrap">  <div class="header-top">  <div class="logo">  <a href="index.html"><img src="images/logo2.png" title="logo" /></a>  </div>  <img src="images/marriott\_logo.jpg" align="center" width=700px height=150 px>  <div class="contact-info">  <a href = "contact.html" target = "\_self">  <img src = "/images/contact-us.png" alt = "contact-us" width=300px height=50px border = "0"/>  <p class="phone">Call us : <a href="#">98xxxxxxxx</a></p>  <p class="gpa">Gps : <a href="#top123">View map</a></p>  <p class="code">BROUGHT TO YOU BY:<a href="https:zeeshanovic.blogspot.com">Syed Ibrahim</a></p>  </div>  <div class="clear"> </div>  </div>  </div>  <div class="header-top-nav">  <div class="wrap">  <ul>  <li class="active"><a href="index.html">Home</a></li>  <li><a href="about.html">About</a></li>  <li><a href="services.html">Services</a></li>  <li><a href="gallery.html">Gallery</a></li>    <div class="clear"> </div>  </ul>  </div>  </div>  </div>  <!---End-header--->  <div class="clear"> </div>  <!--start-image-slider---->  <div class="image-slider">  <!-- Slideshow 1 -->  <ul class="rslides" id="slider1">  <li><img src="images/slider3.jpg" alt=""></li>  <li><img src="images/slider1.jpg" alt=""></li>  <li><img src="images/slider3.jpg" alt=""></li>  </ul>  <!-- Slideshow 2 -->  </div>  <!--End-image-slider---->  <!---start-content----->  <div class="content">  <div class="quit">  <p><span class="start">Live </span> Life <span class="end">King Size </span></p>  </div>  <div class="content-grids">  <div class="wrap">  <div class="content-grid">  <div class="content-grid-pic">  <a href="#"><img src="images/icon1.png" title="image-name" /></a>  </div>  <div class="content-grid-info">  <h3>Best food Ever</h3>  <p>"Rotting melons, dried-up mustard,<br>  Eggshells mixed with lemon custard,<br>  Cold French fries and rancid meat,<br>  Yellow lumps of Cream of Wheat. . ."</p>  <a href="https:swiggy.com">Read More</a>  </div>  <div class="clear"> </div>  </div>  <div class="content-grid">  <div class="content-grid-pic">  <a href="#"><img src="images/icon2.png" title="image-name" /></a>  </div>  <div class="content-grid-info">  <h3>24x7 phone support</h3>  <p>"customer is King<br> At your Serive."</p>  <a href="contact.html">Read More</a>  </div>  <div class="clear"> </div>  </div>  <div class="content-grid">  <div class="content-grid-pic">  <a href="#"><img src="images/iocn3.png" title="image-name" /></a>  </div>  <div class="content-grid-info">  <h3>Best Room Services</h3>  <p>"live life king size with<br>  all the services at your room"</p>  <a href="services.html">Read More</a>  </div>  <div class="clear"> </div>  </div>    <div class="clear"> </div>  </div>  </div>  <div class="clear"> </div>  <div class="content-box">  <div class="wrap">  <div class="content-box-left">  <div class="content-box-left-topgrid">  <h3>welcome to our Hotel</h3>  <p><ul> Feel Like Home :) </ul> </p>  <p> Whether you are staying with us, visiting our marine & water park attractions for the day or dining in one of our award-winning restaurants, Atlantis promises to deliver extraordinary experiences. We are very excited to bring to you a wide range of new and exciting entertainment options that you must try during your visit.</p>  <span>For more information about our Hotel, Call 98xxxxxxxx</span>  </div>  <div class="content-box-left-bootomgrids">  <div class="content-box-left-bootomgrid">  <h3><ul>Deluxe Rooms</ul></h3>  <p>Guest room, 1 King or 2 Twin/Single Bed(s)</p>  <a href="#"><img src="images/slider1.jpg" title="image-name" /></a>  </div>  <div class="content-box-left-bootomgrid">  <h3><ul>Luxury Rooms</ul></h3>  <p>Guest room, 1 King or 2 Twin/Single Bed(s), Pool access, Balcony</p>  <a href="#"><img src="images/slider2.jpg" title="image-name" /></a>  </div>  <div class="content-box-left-bootomgrid lastgrid">  <h3><ul>Executive Rooms</ul></h3>  <p>Club lounge access, Guest room, 1 King or 2 Double</p>  <a href="#"><img src="images/slider3.jpg" title="image-name" /></a>  </div>  <div class="clear"> </div>  </div>  <div class="clear"> </div>  </div>  <div class="content-box-right">  <div class="content-box-right-topgrid">  <h3>To days Specials</h3>  <a href="#"><img src="images/slider1.jpg" title="imnage-name" /></a>  <h4>Super Discount Offer</h4>  <p>"For those seeking additional luxury and comfort<br>  <u>Size:</u> 45 - 47 square metres<br>  <u>Views:</u> The Palm or Aquaventure<br>  <u>Occupancy:</u> 2 adults + 2 children<br>  <u>Bed type:</u> a king size bed or queen size beds"</p>  <a href="gallery.html">Read More</a>  </div>  <div class="content-box-right-bottomgrid">    </div>  </div>  <div class="clear"> </div>  </div>  <div class="clear"> </div>  <div class="boxs">  <div class="wrap">  <div class="box">    </div>  <div class="box center-box">  <ul>  <li><a href="#" onclick="myFunction()">Leave a Feedback</a></li>  <li><a href="#" onclick="myFunction1()">Reviews and Ratings</a></li>  <li><a href="gallery.html">gallery</a></li>  <li><a href="services.html">Services</a></li>  <li><a href="https:www.quora.com/What-is-trekking">Know about Moutaineering and trekking here</a></li>  <li><a href="https:zeeshanovic.blogspot.com">zeeshanovic.blogspot.com</a></li>  </ul>  </div>  <div id="top123">  <img src="images/map Manila Marriott Hotel.JPG" height=200px width=450px height=125px width=450px align= rights>  </div>    <div class="clear"> </div>  </div>  <!---start-box---->  </div>  <!---start-copy-Right----->  <div class="copy-tight">  <p>&copy HOTEL Awesome,Demo Land 2018</p>  </div>  <!---End-copy-Right----->  </div>  <!---End-content----->  </div>  <!---End-Wrap--->  <script>  function myFunction() {  var person = prompt("Please enter your valuable feedback", "......");  if (person != null) {  alert("Thank you for your response! Have a nice day");    function myFunction1() {  var person = prompt("Please give your review", "......");  if (person != null) {  alert("Thank you for reviewing us!!!");  }  }  </script>  </body>  </html>  8. OUTPUT SCREENSHOT      9. CONCLUSION  The Hotel Management System is an essential tool in today’s hospitality industry, providing a streamlined approach to managing various hotel operations. By automating processes like booking, check-in, billing, and inventory management, the system significantly reduces operational costs and enhances the overall guest experience.  The implementation of the HMS demonstrates the benefits of integrating technology into hotel management, leading to improved efficiency and higher customer satisfaction rates. Future developments could include features such as mobile apps for guests, AI-driven analytics for personalized marketing, and integration with third-party services for expanded functionality. As the hospitality sector continues to evolve, the HMS stands as a crucial component for maintaining competitiveness and delivering exceptional service.  10. REFERENCES   * Walker, J. R. (2016). Introduction to Hospitality Management. Pearson Education. |
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