**Lab Task:**  
**Developing a Bootstrap-Based Blog**

**Objective**: The objective of this assignment is to develop a fully functional and responsive blog website using Bootstrap, demonstrating your proficiency in utilizing Bootstrap's components and principles for web design.

**Task Description:**Your task is to create a Bootstrap-based blog website with the following features and components:

**Navigation Bar:**Include a responsive navigation bar at the top of the page with links to different sections of your blog.**Blog Posts:**Create multiple blog post cards using Bootstrap's card component.Each card should include a title, publication date, author name, a brief introduction, and a "Read More" button.Ensure that the cards are organized in a grid layout using Bootstrap's grid system.**Individual Blog Post Page:**Implement a separate page for each blog post that opens when the "Read More" button is clicked.This page should display the full content of the blog post, including images and text.Include a button or link to return to the main blog page.**Sidebar:**Create a sidebar on the blog page that includes categories, recent posts, and a search bar.Use Bootstrap components like lists and forms for these elements.

**Pagination:**Implement pagination at the bottom of the blog page to navigate through multiple pages of blog posts if there are many posts.**Responsive Design:**Ensure that your blog website is responsive and looks good on various devices, including desktops, tablets, and smartphones.Test the responsiveness and make necessary adjustments using Bootstrap's responsive classes.**Custom Styling:**Customize the styles of your blog using Bootstrap's utility classes and your own CSS to create a unique and visually appealing design.

**Html Code:**

<!DOCTYPE html><html lang="en"><head><meta charset="UTF-8"><meta name="viewport" content="width=device-width, initial-scale=1.0"><title>Zunaisha Noor</title><link href="blog-overview.css" rel="stylesheet"><link href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css" rel="stylesheet"><link href="https://fonts.googleapis.com/css?family=Open+Sans+Condensed:300,700" rel="stylesheet">

<link href="https://fonts.googleapis.com/css?family=Source+Sans+Pro" rel="stylesheet"></head>

<body><header class="header--type2" data-background="images/blog.jpg" data-height="35%" style="background-image: url(images/blog.jpg); min-height: 303.8px; -webkit-user-select: auto;"><div class="inner" style="-webkit-user-select: auto;"> <div class="container" style="-webkit-user-select: auto;"> <div class="row" style="-webkit-user-select: auto;"> <div class="col-md-10" style="-webkit-user-select: auto;"> <section class="ct-page\_title" style="-webkit-user-select: auto;"> <div class="h1" style="-webkit-user-select: auto; color: white;">Blog By Zunaisha Noor Biet-f21-049</div><div class="ct-page\_title-content" style="-webkit-user-select: auto;"></div></section></div></div></div></div> </header><div class="container ct-u-paddingTop40 ct-u-paddingBottom100"><div class="row"><div class="col-md-12 ct-content"><div class="blog-wrapper"><img alt="images/blog-2.jpg" class="img-responsive pull-right blog-inner" src="images/blog-2.jpg"><h1>Zunaisha Noor Biet-f21-049</h1><h1><strong> Email:</strong>biet-f21-049@superior.edu.pk</h1><h3>

<strong> Email:</strong>zunaisha044@gmail.com</h3><p>Zunaisha Noor is a 19-year-old AI Engineer and Superior University student with a strong passion for programming. Proficient in C++, Python, and various technologies, she specializes in Machine Learning and Deep Learning, utilizing TensorFlow and PyTorch. Her expertise extends to algorithm development, data science, and Natural Language Processing. Zunaisha excels in Computer Vision, having implemented facial recognition and object detection systems. She has a diverse portfolio, including projects like a Hostel Management System, Email Spam Detection using Machine Learning, and an AI-powered virtual assistant named Jarvis. Zunaisha's commitment to efficiency and scalability is evident in her tailored solutions for web development and data analysis projects in Python. Her skills also cover database systems, as seen in projects using Oracle 11g. This summary highlights Zunaisha's dedication to AI and programming, showcasing her proficiency in various domains, from algorithm optimization to creating online learning platforms</p></div></div></div></div><hr><br><br><br><br><hr><div class="container">

<div class="row"><div class="col-md-12"><div id="theBlogGrid"><ul class="row blogGrid" id="blogGrid"><li class="col-xs-12 col-sm-6 col-md-3 blog-inner"><div class="imgHolder"><img alt="Tic Tac Toe in C++" class="grid-image img-responsive" src="images\tic-tac-toe.png"><div class="description-box animateBottomName"><br><br>

<p>Tic Tac Toe in C++</p><p>Classic Tic Tac Toe game implemented in C++.</p></div>

</div><div class="clearfix"></div></li><li class="col-xs-12 col-sm-6 col-md-3 blog-inner"><div class="imgHolder"><img alt="Hostel Management System in C++" class="grid-image img-responsive" src="images\hotel-management-system.jpeg"><div class="description-box animateBottomName"><br><br><p>Hostel Management System in C++</p><p>Object-oriented programming (OOP) based Hostel Management System implemented in C++.</p></div></div><div class="clearfix"></div></li><li class="col-xs-12 col-sm-6 col-md-3 blog-inner"><div class="imgHolder"><img alt="Email Spam Detection using Logistic Regression" class="grid-image img-responsive" src="images\spam detection.jpeg"><div class="description-box animateBottomName"><br><br><p>Email Spam Detection using Logistic Regression</p><p>Email spam detection system implemented using Logistic Regression in Machine Learning.</p></div></div><div class="clearfix"></div></li><li class="col-xs-12 col-sm-6 col-md-3 blog-inner"><div class="imgHolder"><img alt="Jarvis AI in Python" class="grid-image img-responsive" src="images\jarvis-ai.jpeg"><div class="description-box animateBottomName"> <br><br> <p>Jarvis AI in Python</p><p>AI-powered virtual assistant (Jarvis) implemented in Python.</p></div></div><div class="clearfix"></div> </li></ul> <div class="blue-border blog-blue-border"></div><div class="clearfix"></div></div></div></div></div>

<script src="https://ajax.googleapis.com/ajax/libs/jquery/1.12.4/jquery.min.js"> </script><script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.min.js"></script>

</body></html>

**CSS Code:**

ul.blogGrid li {list-style-type: none;}.blogGrid { padding-left: 0; margin-bottom: 40px;}#theBlogGrid .animateBottomName {color: #000;margin-top: 20px;width: 100%;}

 .blue-border.blog-blue-border {margin-bottom: 20px;}.description-box {background-color: rgba(50, 50, 50, 0.5); bottom: 0; float: left; height: 44px; padding: 5px 10px; position: absolute; width: 100%;}#theBlogGrid .description-box p {color: #fff; padding-top: 7px; font-size: 15px;}.blogGrid li:hover .animateBottomName { background-color: #00bff3; width: 100%;}.imgHolder {cursor: pointer; position: relative;}.blog-page.filter-bar {margin-bottom: 20px; }.blog-page.filter-bar .selectize-input {height: 40px !important; line-height: 22px;border-radius: 0;}.blog-page.filter-bar .blog\_search .input-group-btn #searchBtn {padding: 10px 20px;background-color: #00bff3;height: inherit;}.selectize-input.items {border-radius: 0;}.blog-page.filter-bar .blog\_search input#table\_filter {height: 40px;border-radius: 0;line-height: 22px;border-color: #ccc;}.blogGrid .imgHolder .description-box {height: 45px; }.paging-filters #pagingTotal {margin-top: 0;}.paging-filters #pagingTotal p {font-size: 14px; text-align: center; padding-top: 10px;} #theBlogGrid .pagination {margin-top: 0;float: right;}.selectize-dropdown [data-selectable] {background-color: #fff;}.selectize-dropdown-content {border: 1px solid #ccc;}.pagination>li:last-child>a, .pagination>li:last-child>span {border-radius: 0; }img.blog-inner {max-width: 300px; padding: 20px; }.blog-wrapper h1 {margin-bottom: 20px; font-family: "open sans condensed",sans-serif; font-size: 41px; font-weight: bold; color: #000; text-transform: capitalize; }.project-card {background-color: #ddd; border: 1px solid #ccc; padding: 15px;margin-bottom: 20px;} @media screen and (max-width: 1200px) {.description-box {height: 52px;}.description-box p {font-size: 14px;}} @media screen and (max-width: 991px) {.blogGrid .blog-inner {margin-bottom: 30px;}.description-box p {font-size: 15px;}} @media screen and (max-width: 767px) {.blogGrid .blog-inner .imgHolder img {width: 100%;}.blog-wrapper img {max-width:100%;}}@media screen and (max-width: 480px) {.blog-filter .items {text-align: left;} #pagingTotal p {padding-top: 0;}}.header--type2 .inner {padding: 150px 0 50px; padding: 15rem 0 5rem; }header > .inner {vertical-align: middle; width: 100%;} [data-background] {background-position: center center; background-size: cover;background-repeat: no-repeat; } .ct-page\_title {color: #fff; }

 header { overflow: hidden; margin-bottom: 40px; }header {position: relative; z-index: 1; display: table; width: 100%;}.ct-page\_title .h1 {font-family: 'Open Sans Condensed', sans-serif; font-weight: bold;text-transform: inherit; font-size: 81px; font-size: 8.1rem; line-height: 65.85px; letter-spacing: 0px; text-transform: uppercase; }.ct-page\_title-content {text-transform: capitalize; line-height: 36px;}.ct-page\_title-content {font-size: 25px; font-size: 2.5rem; font-family: 'nimbus-sans', sans-serif; font-weight: 400; padding-top: 10px; padding-top: 1rem; display: inline-block; max-width: 750px;max-width: 75rem; }



