Assignment no.1 Report

WAD-Cs 324

April 22,2025

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Tatheer Zahra

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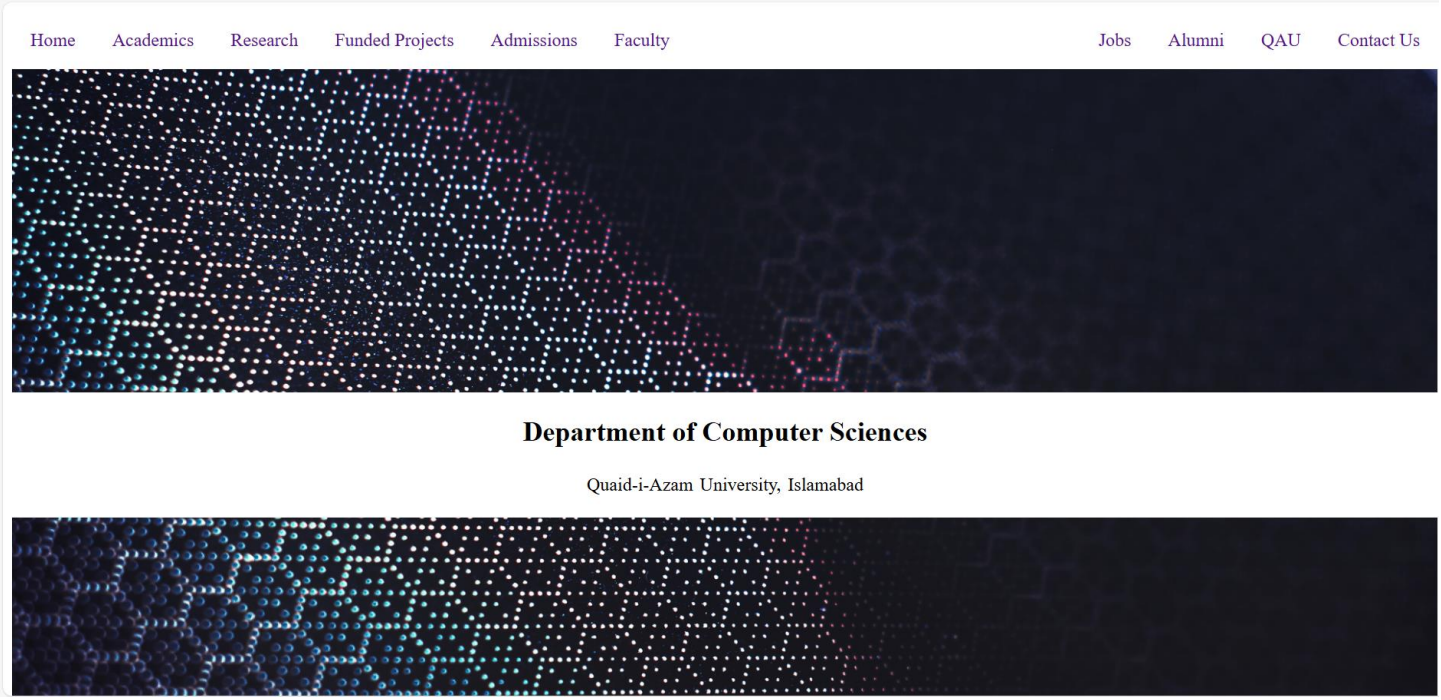
Overall Color scheme:

- --primary-color: rgb(23, 23, 90) (Dark Blue)
- --sec-color: rgb(0, 0, 255, 0.2) (light lavender)
- --sec-color2:white (white)

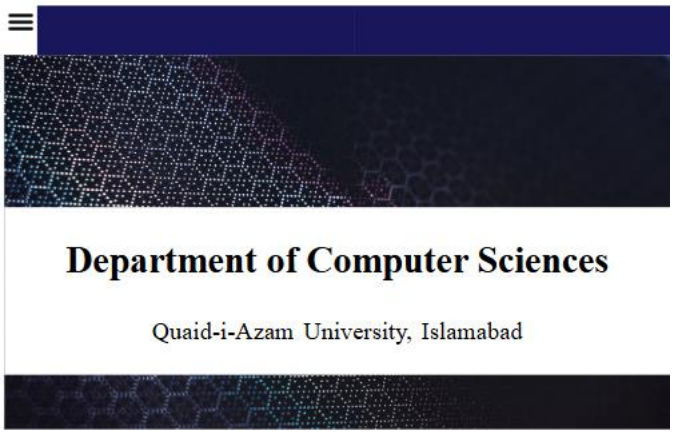
Header:

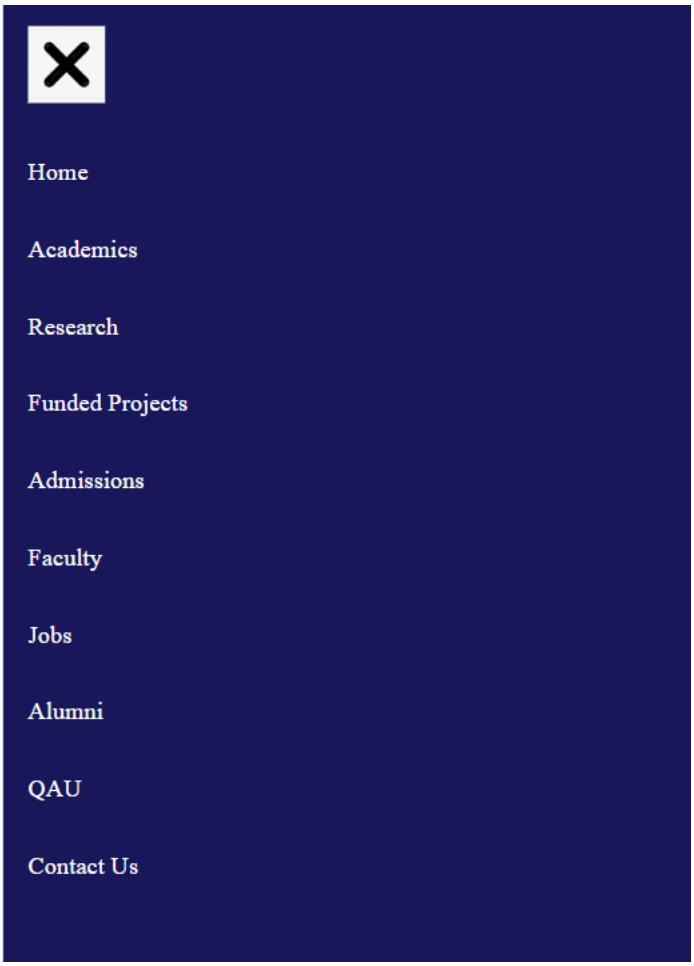
The header is designed as per motivation form some of the templates of WordPress.



Simply a div with two sub-divs for making groups of tabs.
And the text heading is placed by using position attribute.

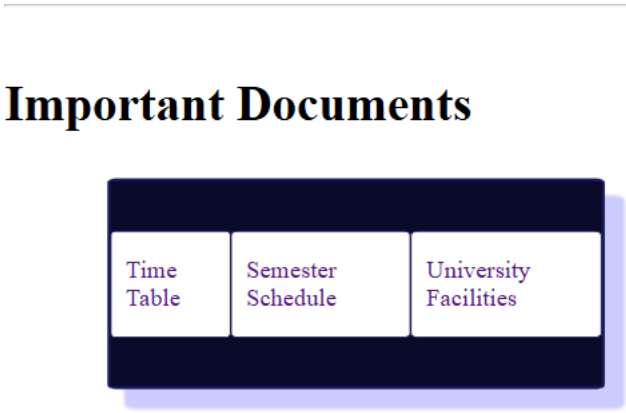
For Smaller screens the ham-menu is designed.



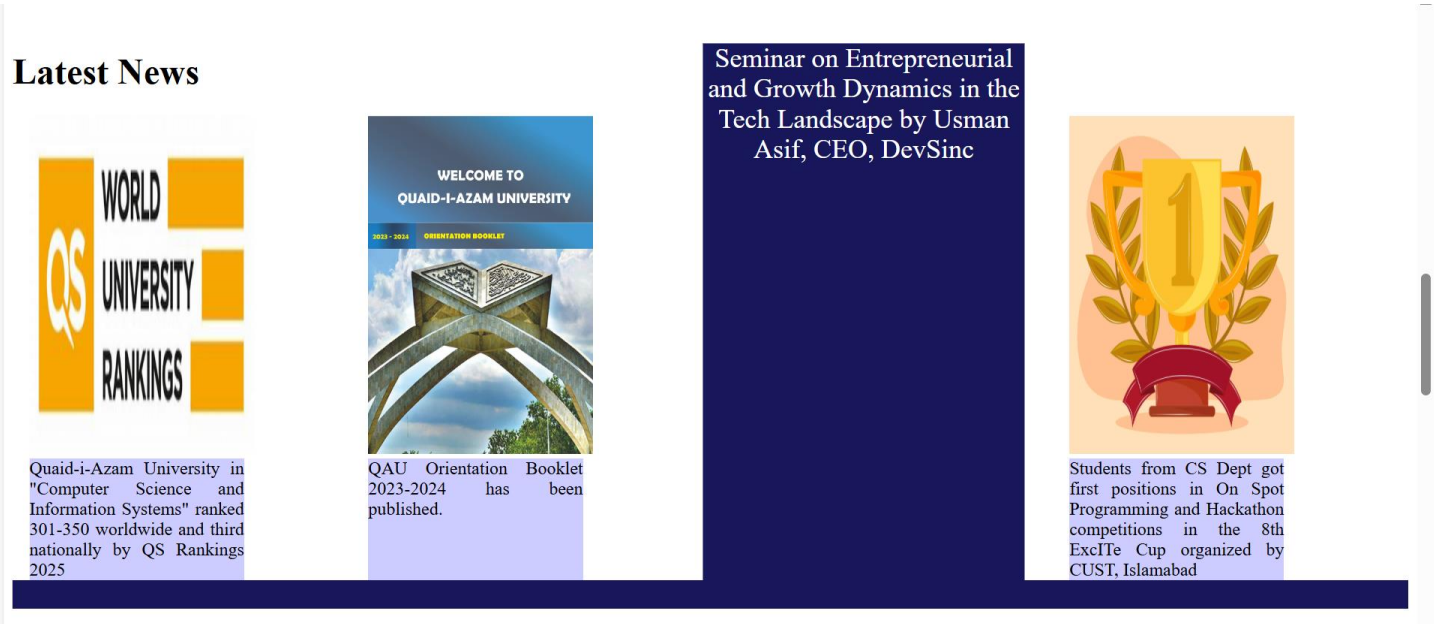


I used the CSS technique for the ham-menu as soon as the ham-menu icon hovered. A div displayed with 100 vw and 100 vh with tab links and remain displayed as long as that ham-menu div is being hovered.Added a close-icon ,which takes back to the same tab.

Home page



- The first section of the home page is important documents whose display is set to flex with row direction for larger screens and column direction for smaller screens. Simply use a div with anchor tags which are scale by 2 when hovered.



- The next section is of latest News, which is displayed using grid layout img ,div for caption and div for dark border. When any of the sections are hovered it is scale and the img ‘s display is set to none, and the caption is only displayed. For smaller screens the grid is designed as 2 rows and 2 columns.

Introduction

The Department of Computer Sciences at Quaid-i-Azam University is considered as one of the best computer science departments in Pakistan. The department is ranked among the top 3 departments in the country as per QS and Times Higher Education (THE) rankings. It was established at Quaid-i-Azam University Islamabad in 1976. The main objective of the department is to produce Computer Scientists in order to meet the growing demand for computer professionals in the country. All the programs have been highly successful. Department graduates have attained higher degrees from developed countries and are working in national and international organizations. The department offers PhD (Computer Science), MPhil (Computer Science), MS (Information Science & Technology), MS (Data Science), and BS (Computer Science) degrees. Each degree program has a specific objective and focus. The course of study and syllabus for each degree is updated and is inline with its objectives.

- The comes the Introduction section which consists of a div and a heading which is centered midway using position attribute.

Research

Human Information Interaction

Investigates all aspects of information usage by humans. Research focus varies for information seeking behavior, Information Interaction Techniques, Storage and Retrieval models/frameworks for structured and unstructured information, and information services for human information needs

Knowledge Engineering

Focuses on analyze of data, metadata and knowledge using supervised and unsupervised mining algorithms. The target areas will be software architecture, web services and overlay networks. The main goal is to process related and uncorrelated facts and extract meaningful contextual knowledge for quality decision making.

Networking and Communication

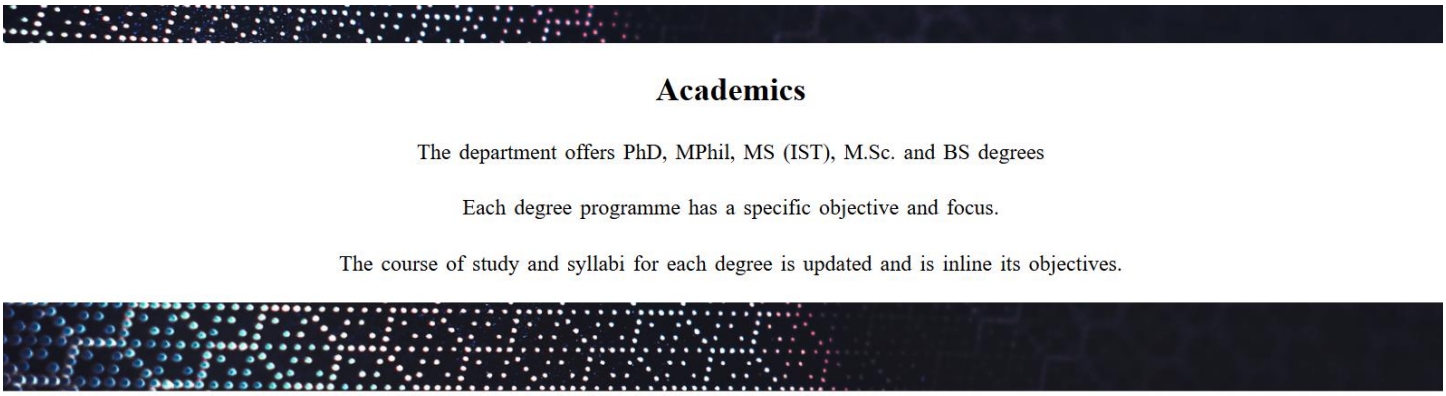
This group investigates the applied aspects in the domains of networking, communication, security and privacy. The research group focuses on a number of areas including but not limited to computer networks, distributed systems, mobile Agent-based distributed systems, routing protocols, peer-to-peer computing, security and privacy.

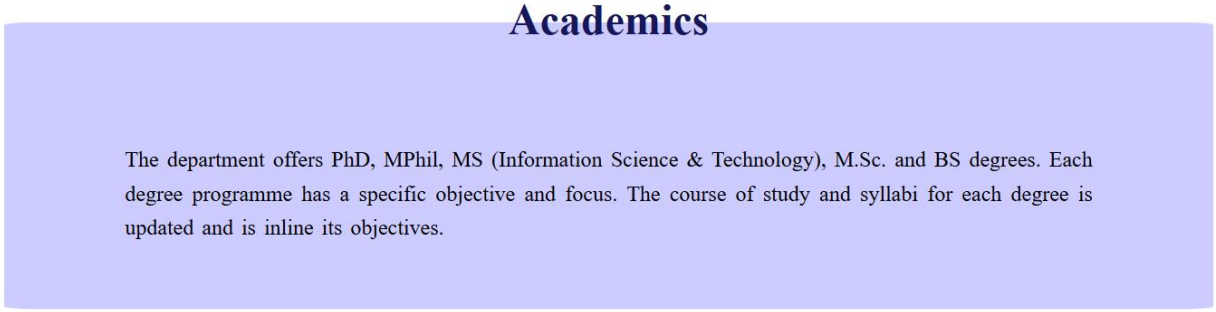
- The last section of Home page is research which is designed so using flex box with row-direction and

each research section is also displayed by flex with column direction .

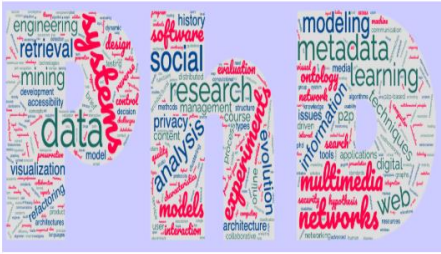
Academics page:

- The academic's page is designed with an intro div which is styled using the same container as done using for home page intro div.





- Then each program's div styled using flex box for aligning the img and para in a row with a "more detail" link that opens the tab of that program.



PhD is highest degree awarded in an academic discipline and is the most satisfying and rewarding educational experience. Students work closely with a faculty member, performing original research, and tackling challenging and unsolved problems.(More Details)

The objective of M.Phil Computer Science programme is to train students to initiate research work. The duration of M.Phil programme is two years (4 semesters).MPhil is of 50 credit hours, 24 credit hours for the course work and 26 credit hours for research work. Each course is of 3 credit hours.(More Details)

Academics Programme:

- For the academic prog there is an intro div shared the same intro container div for styling .
- Then research Groups are displayed with the parent div with the same intro div styling.
- Then comes the imp links button which are displayed using flex box in column direction.

Fee structure

Admiission Details

PhD University Rules

- Then courses details using details and summary tag for making a dropdown effect for the details of courses.

- Then a div containing FAQs.

(Note: Same styling pattern for all the academic programs.)

Research:

- The Research tab has research div which are designed using the same container class as the academics' div's used.

Human Information Interaction

Investigates all aspects of information usage by humans. Research focus varies for information seeking behavior, Information Interaction Techniques, Storage and Retrieval models/frameworks for structured and unstructured information, and information services for human information needs.

Knowledge Engineering

Focuses on analyze of data, metadata and knowledge using supervised and unsupervised mining algorithms. The target areas will be software architecture, web services and overlay networks. The main goal is to process related and uncorrelated facts and extract meaningful contextual knowledge for quality decision making.

Funded Projects Tab

- For the Funded Project tab, a card is designed for each Funded Project which is design using div for Project title and then within p element other details are provided. The card is scaled by 1.5 when hovered.

- All the cards are displayed using grid Layout with 2 columns and 10 rows. But for smaller screens cards are displayed using flex box in column-direction.

Funded Project

Project Title: Optimal Route Planning using Artificial Intelligence for last mile Delivery Services: A case of Intelligent Transport System (ORPAI)

PI: Dr. Khalid Saleem

Co-PI: Ms. Hina Ali (NUML)

Students: 1 MPhil, 2 BS(CS), 1 Software Engineer

Funding Amount: PKR 9.3 Million

Funding Agency: National Centre in Big Data and Cloud Computing (NCBC), HEC

Duration: 1.5 Years

Start Date: January 1, 2021

End Date: June 30, 2022

Project Title: Optimizing Model Inference and Coverage in Learning-based Testing (OMICoLT)

PI: Dr. Muddassar Azam Sindhu

Co-PI: Dr. Onaiza Maqbool

Graduate Students: Farah Haneef (PhD student), Hafiz Abdul Quddus (MPhil Student for 1st Year of Project)

Funding Amount: PKR 2.1 Million

Funding Agency: HEC

Duration: 3 Years

Start Date: July 1, 2020

End Date: June 30, 2023

Admission Tab

- For admission using an intro class container div with heading and imp links and details for each Programme.

PhD (Computer Science) - Every Semester

PhD is the highest degree awarded in an academic discipline and it is the most satisfying and rewarding educational experience. In our PhD programme, students work closely with a faculty member, performing original research, and tackling challenging and unsolved problems.

Admissions Requirements:

Students will be selected on the basis of scholarship and research potential among applicants with appropriate degrees from HEC recognized university as per university rules.
The minimum requirements for admission are:

- MPhil (Computer Science or computing related discipline) or
- MS (18 years Education) with Computer Science or computing related discipline
- Must pass the test and interview arranged by the department

Admission Notice
Click here to see more details about the programme

Faculty Tab

- Faculty Tab opens up with an image(only for larger screens) which is given a border of primary color and is centered using flex box property for container div.
  A div for caption of pic which is position at the bottom using position attribute.

Our Respected Faculty

- Design faculty profile cards which provide link to Faculty profiles and are displayed per 2 columns using grid layout for larger screens and in a single column using flex box layout for smaller screens.

Faculty Profiles

Dr. Onaiza Maqbool

Professor

Research Interests

- Software reengineering
- Software architecture recovery
- Program understanding
- Machine learning

oniaza at qau dot edu dot pk

+92-51-9064 2060

Dr. Khalid Saleem

Associate Professor

Research Interests

- Database Systems, Information Systems
- Distributed Systems
- Data Warehousing/Mining

ksaleem at qau dot edu dot pk

+92-51-9064 2061

Faculty Profile Tab

Onaiza Maqbool

Professor (Tenured)

HEC Approved Supervisor

onaiza-at-qau-edu-pk
+92-51-9064-2060
Dept. of Computer Science,
Quaid-i-Azam University, Islamabad, Pakistan

Google Scholar DBLP Research Gate

Research Publications | Funded Projects | PhD Students | MPhil/MS Students | BS/MSc Students

Research Interests

- Software (Re)Engineering
- Software Architecture Reovery
- Machine Learning

- Faculty profile tabs are designed using an intro class container with heading and all the details are displayed within that div.

Contact Us tab and Footer

A div which has iframe for map which is bordered using primary color and the p element for contact details. These elements are displayed using flex layout and are spaced using space-between attribute.

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Islamabad 45320, Pakistan

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Phone: +92-51-9064 2057