CSCI 6970 Front-End Web Development

Class Project Report

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Introduction:

I have Selected Front End Web Development Project 1 where I need to redesign website of AUM computer Science department. The techniques that been used for developing are HTML5, CSS3 & jQuery.

Implementation:

I have used **HTML5** tags such as:

A tag – Anker tag is used for giving the link.

Header tag – this is used for defining Header content.

Div tag – this tag is for dividing the page into sections.

P tab – this tag is used for giving paragraphs.

Li & UI tag – this tag are used to define order list and unorder list,

Footer tag – this is used for giving footer for web page where we can provides info such as contact info etc.

I have used few CSS such as:

Nav bar – using css we can transform HTML menus into good-looking navigation bars. I have used.

background-color it specifies the background color of the element.

CSS border properties allow you to specify the style, width, and color of an element's border.

padding properties are used to generate space around an element's content, inside of any defined borders.

CSS links – the links can be styled in different ways. like link, Visited, hover
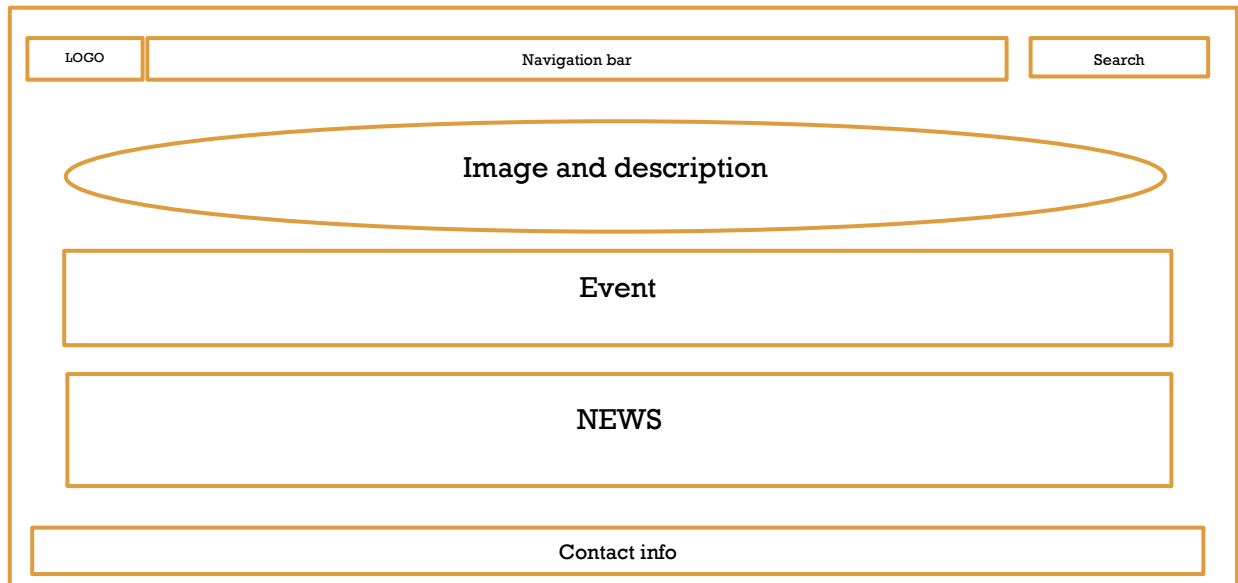
We used CSS for in pages like GPA calculator,

few jQuery

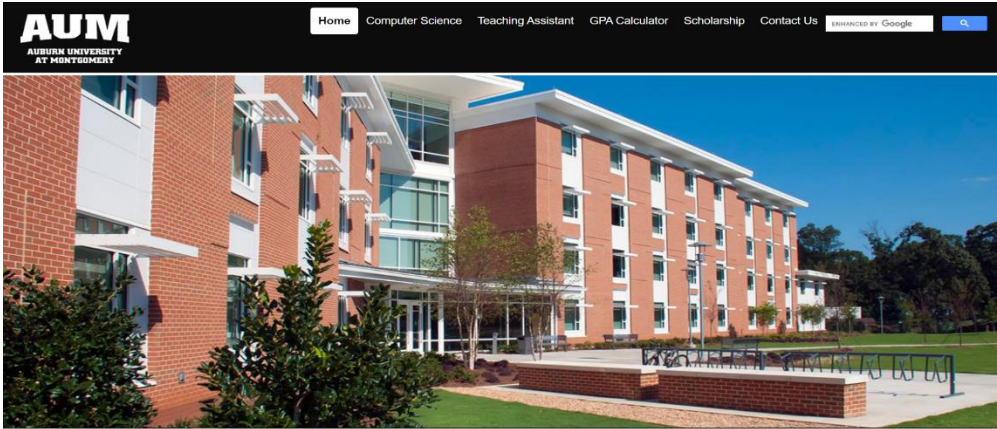using the jQuery, we are calculating the GPA of the student.

In this Project we need to create a user-friendly web page and few pages where the user can do GPA calculation, apply for Teaching Assistant and get information about CS department. I even add couple of pages where the user can get details of scholarship and contain information.

1. Home Page draft

LOGO	Navigation bar	Search

Image and description

Event

NEWS

Contact info

In the Home page Header and Footer which stays consistent through all the pages. Header contains AUM logo and Navigation bag (titles for other pages) and search engine. Then university Image below that university map and description of university.
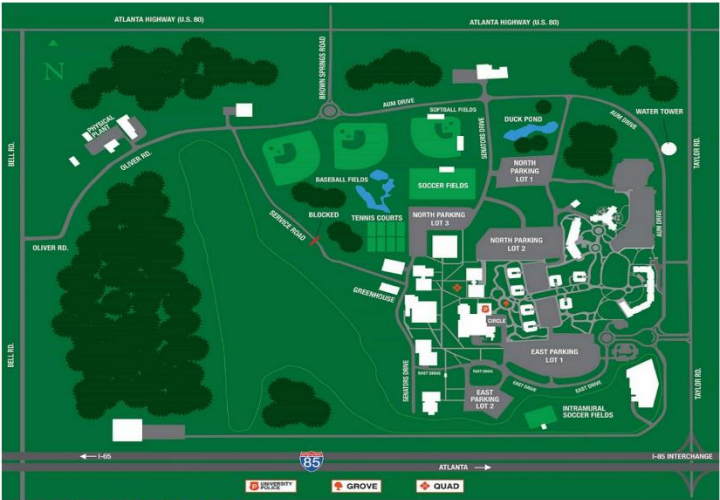
Next, we find Event and followed by NEWS and footer where it gives contain info and copyrights info.

This is a Home page where the user can view the information regarding university such as university map and description.

Then Current events at university.

Then News for News I have used div class="owl-carousel active_course" which its help I keep my news list changing and this used jQuery 3 sec for scrolling to left

AUM
AUBURN UNIVERSITY AT MONTGOMERY

Home   Computer Science   Teaching Assistant   GPA Calculator   Scholarship   Contact Us

Auburn University at Montgomery

Auburn University at Montgomery (AUM) is a public university in Montgomery, Alabama. Established by an act of the Alabama Legislature in 1967, it is governed by the Auburn University Board of Trustees as a member of the Auburn University system. AUM offers more than 90 programs of study leading to bachelor's, master's, specialist, and doctoral degrees. As of 2018, the university enrolled more than 5,200 students.

Auburn University at Montgomery earned recognition from U.S. News & World Report and Princeton Review for the quality of its academic programs in 2018. U.S. News ranked AUM 22nd among regional universities in the South for the quality of its undergraduate teaching and 38th among public comprehensive universities in the South.

Quick facts

Established: 1967
Accrediting Body: SACSCOC
Location: Montgomery, Alabama
Enrollment: 5,200
Student to Faculty Ratio: 17:1
Degrees: Undergraduate, Graduate, Certificate
Chancellor: Dr. Carl A. Stockton

Alumni

Auburn University at Montgomery has over 32,000 graduates working in diverse fields across the country and throughout the world. Working together, the AUM Alumni Association funds student scholarships and grants that recognize and help retain exceptional faculty.

Academic Advising

Our advisors are here to help. Proper advising will serve to efficiently guide you through all the necessary steps towards your academic goals. The combination of a Mathematics major and Computer Science minor or Computer Science major and Mathematics minor makes students very attractive to employers.

Programs Of Study

The department offers three undergraduate majors: 1) Mathematics, 2) Mathematics/Secondary Education, and 3) Computer Science. We also offer two master degree programs: 1) Computer Science, and 2) Computer Information Systems and Cyber Security. Moreover, we offer a pre-engineering program.

Colloquia, Conferences And Other Events

Our department hosts the following events: research colloquia, math/CS/engineering club activities, Southern Regional Algebra Conference (SRAC), Sonia Kovalevsky Mathematics Day.

Research Interests And Seminars

Our faculty conduct various types of research in the areas of mathematical and computing sciences. Students have opportunities to participate in research projects.

News

Entry Test
Due to Covid-19 Lock Down University management decided to take online entry test. Online registration details and pattern of exam will be uploaded soon. Keep visiting our site for further updates.
02/12/2020

Admission
After entry test, with in two weeks you can apply for admission. Complete admission guide and procpectus will be uploaded after a week. Keep visiting our site for further updates.
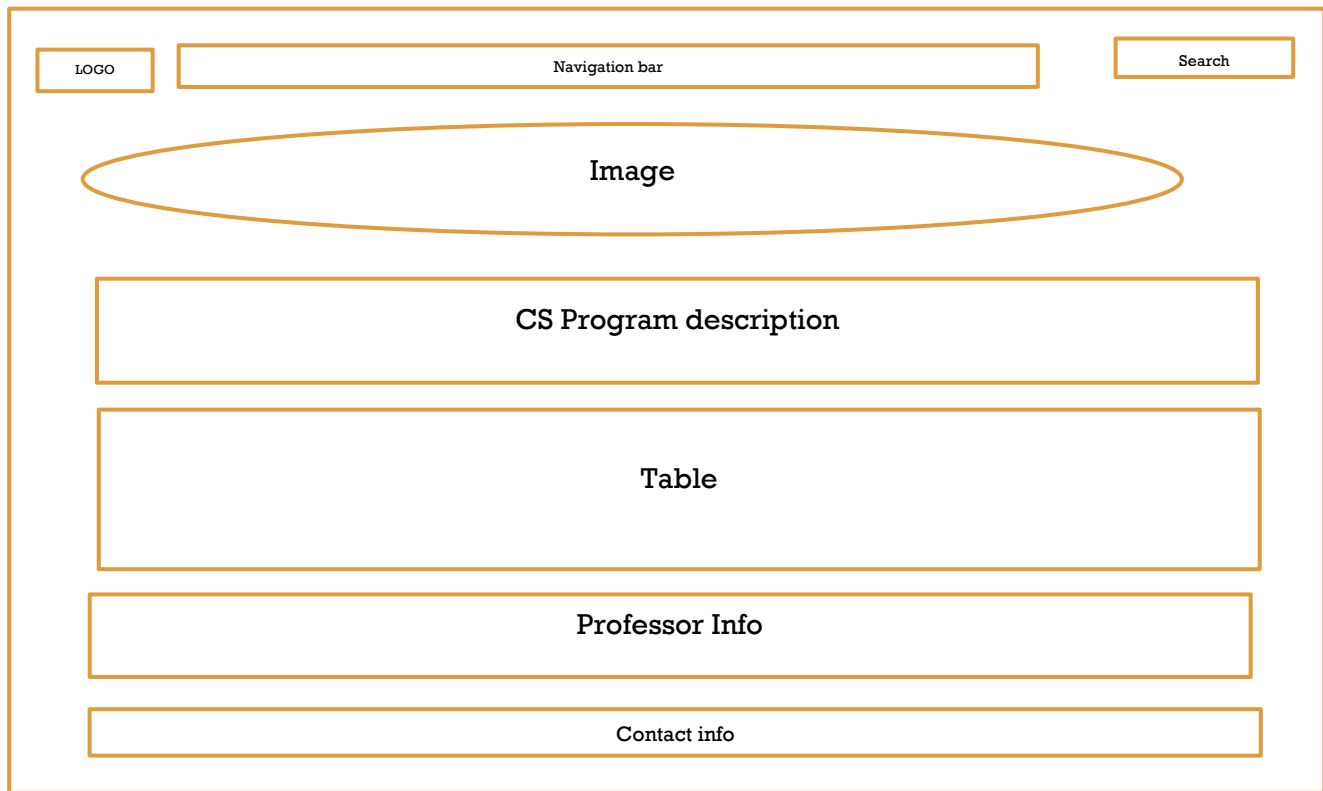02/12/2020

Scholarship
Scholarships are available for bright students. Need based schorship related details will be provided soon. Contact Accounts office for further details. Apply with in a week to short list for scholarship.
02/12/2020

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2. Computer Science Page:
   Draft

LOGO	Navigation bar	Search

Image

CS Program description

Table

Professor Info

Contact info

Computer Science Program

Program Description

Do you want to know how to design and program the computers powering some of today's greatest innovations? Ever wondered howy our phone knows where the nearest Starbucks is, how Google'sself-driving car is even possible, or how your music and photos live in the cloud? Maybe you want to know how computers protect businesses — and people — and other cybersecurity issues. AUM's Computer Science Program, with a curriculum based on the latest ACM/IEEE recommend ations and an emphasis on high-performance computing, will prepare you for a career in computer programming, networking, database management, multimedia design or technology architecture

Points of Pride

- You'll have access to the most powerful computational resources and expertise in the country through our partnership with the NSF-supported Extreme Science and Engineering Discovery Environment
- Computer Science faculty are engaged in the private sector, supporting research and partnerships with national and international user groups and initiatives.

U. S. Bureau of Labor Statistics sample data

Job	Median Pay	Job Growth through 2024
Computer and Information Research Scientist	$108,360 per year	11% (2700 more jobs)
Computer Network Architects	$98,430 per year	9% (12,700 more jobs)
Computer Analyst	$82,710 per year	21% (118,600 morejobs)

Put Your Degree to Work

Note: While salaries vary depending on several factors including your level of experience, education and training, and geography and industry, here is a sampling of the future job growth and salaries in thisarea.

Employment of computer and information technology occupations is projected to grow 12 percent from 2014 to 2024, faster than the average for all other occupations. The most recent median annual wage for computer and information technology occupations $79,390 — higher than the median annual wage for all other occupations.

For More Information

Contact Lei (Lee) Wu.
Department of Computer Science & Computer Information Systems (CSCI)

This page is about Computer Science Depertment and its Discription I have used CSS for table style and table class table style for the table

Table with the help of java script 2 column layout

3.Teaching Assistant Page

Personal Information

First Name: [First Name]

Last Name: [Last Name]

ID: [Student ID]

Gender: [Gender]

Academic Information

GPA: [GPA]

Other Information

Submission Date: [mm/dd/yyyy 📅]

Comment:
[Enter comment here...]

[Submit] [Reset]

In this Page the user can apply for Teaching Assistant the user need to give Personal information GPA and date of submission. We used Form class for taking the input from the user.

We used CSS form style to for taking the input and for buttons.

4. GPA calculation

Calculate your GPA

How many courses are you taking ?

minimum 2

Submit

Your GPA is

With the help off CSS tags we set the background margins, padding font style etc for the page. (GPA calculation form and Display form) and we used and jQuery is used for calculation of data given by the user such as addEventListener, getElementById and function calculateGPA(numCourses) for calculating

Here the user needs to give number of course and then Grade and Credit Hours for each course then it will calculate the GPU

5. Additional pages (Scholarship & Contacts us)

This Page contains information regarding scholarship and the user can get information here.

Here we used CSS for styling and form style for filling the form

The user can give the inputs and then click on submit to submit the form and click in contacts us button to come back to page.