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Last name: Ihongui

Id_Student: 11004310

DCIT 205: MULTIMEDIA AND WEB DESIGN

INTERIM ASSESSMENT

Welcome to our website under department of computer science we can learn DCIT 205: multimedia and web Design on it! Embark on a transformative journey into the realm of digital creativity with our flagship course, DCIT 205: Multimedia and Web Design. Whether you're a budding designer, a tech enthusiast, or someone eager to enhance their digital skills, you're in the right place.

Unlock the secrets of captivating design and seamless web development as we delve into the core principles and advanced techniques of multimedia creation. Led by industry experts, this course is crafted to empower you with the skills needed to bring your digital visions to life.

For my first steps I create a forked form https://github.com/Daquiver1/DCIT_205_IA and use git to initialize my project, used git add . for prepare all my change to be committed and create link local work and my repository on GitHub, then I pushed now and then. I also clone the main website by using WinHTTrack.
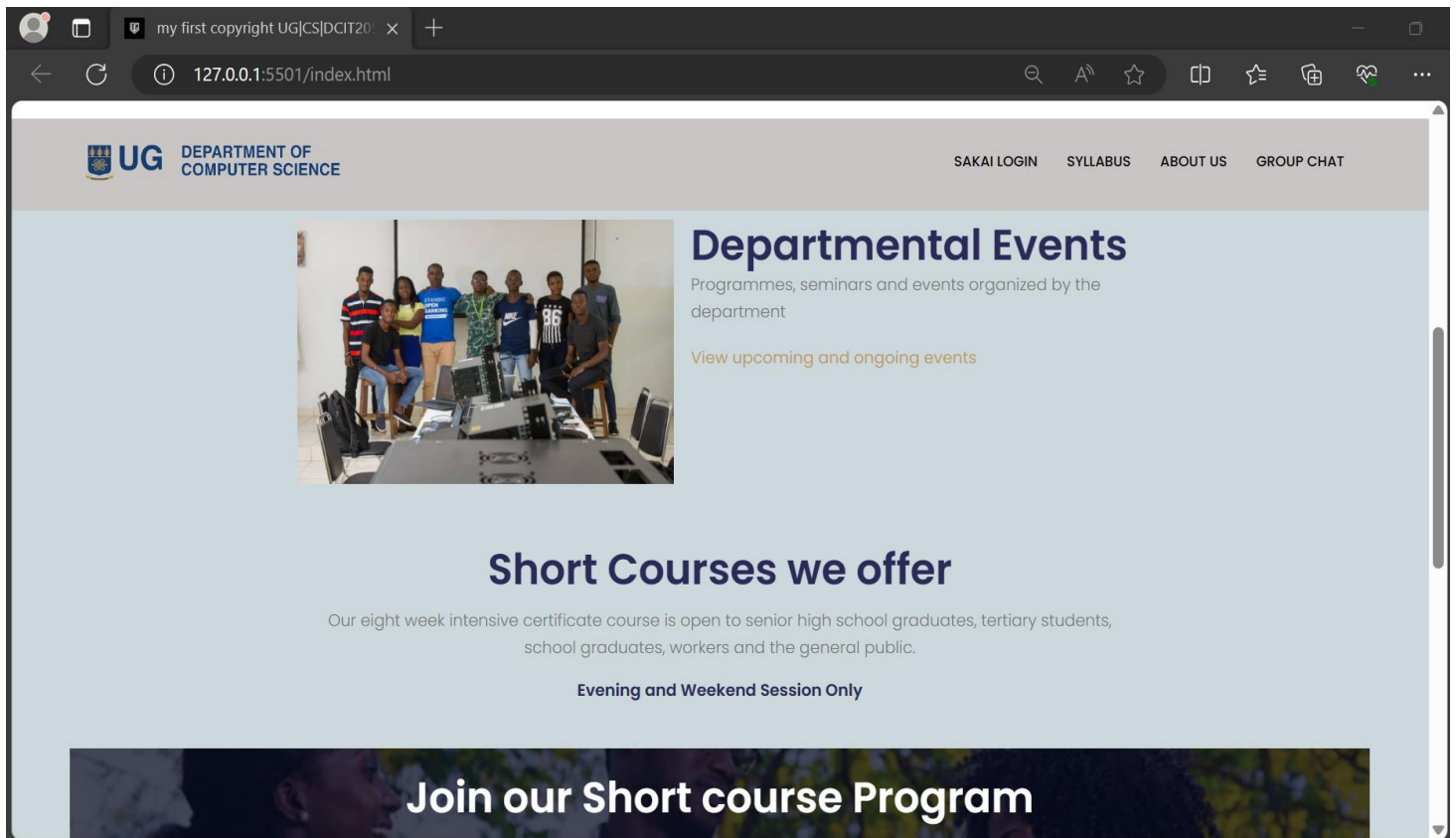
Let present a website step by step:

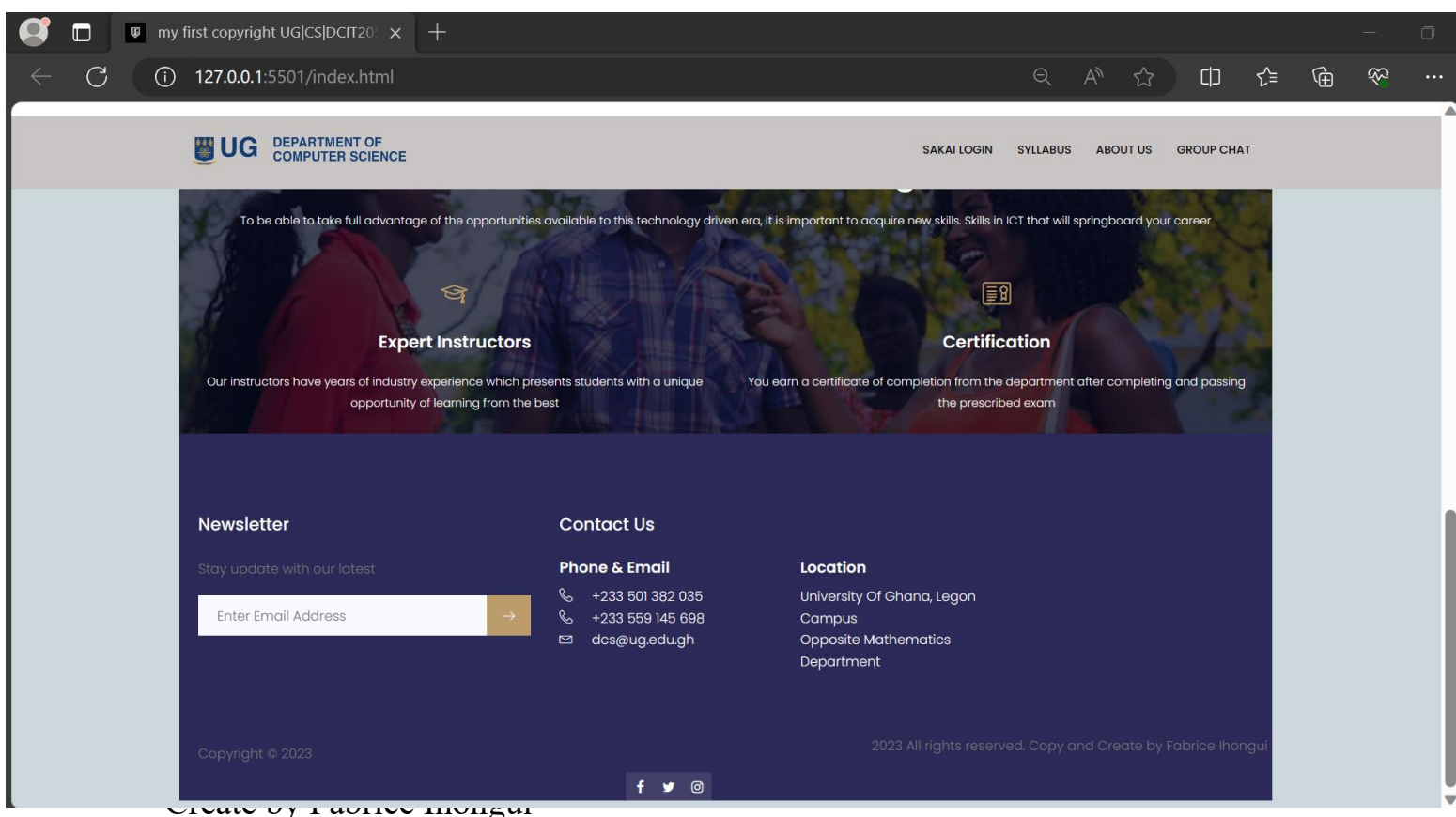Our website starts by index.html is our main page:
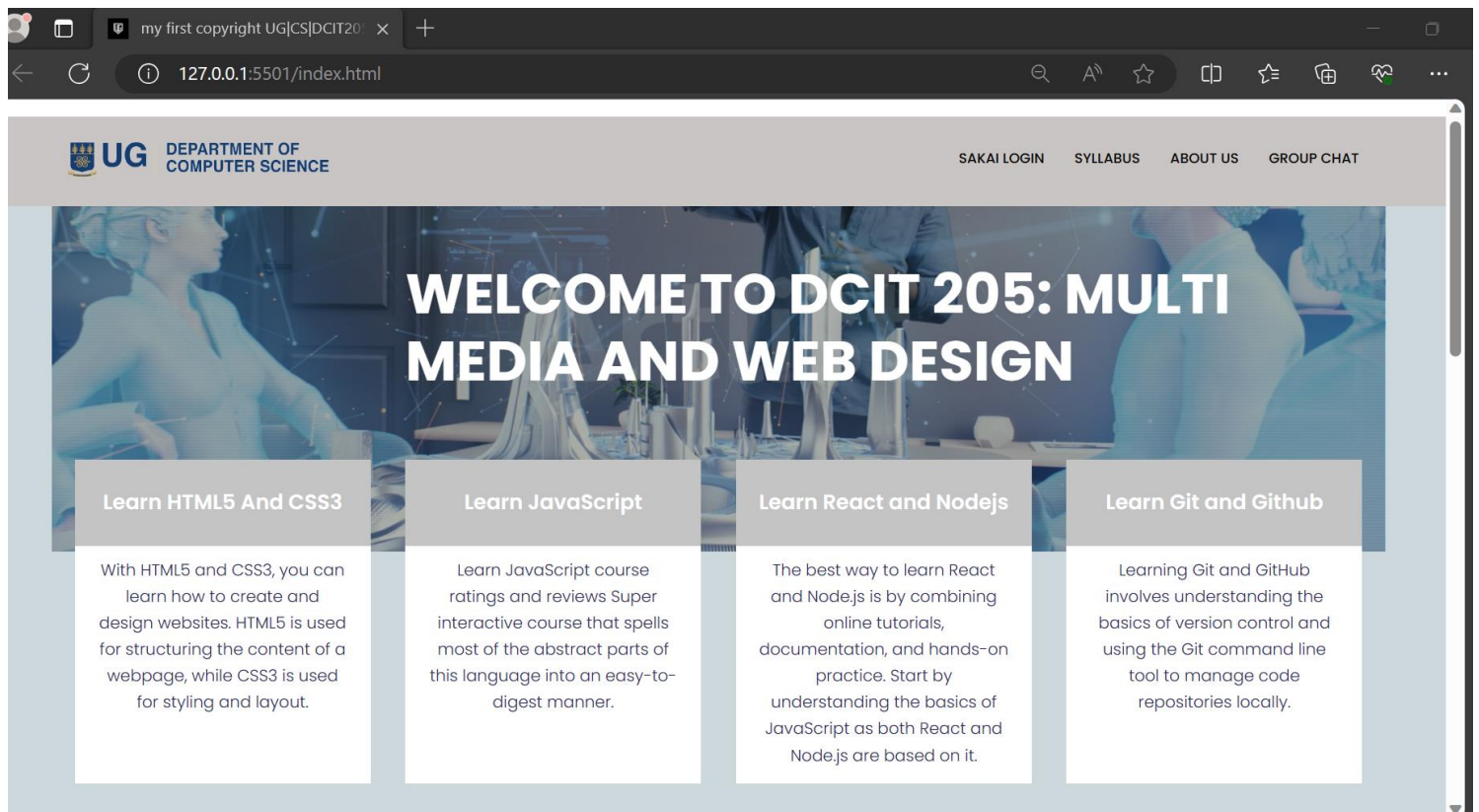
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To continue…

The footer of our website is:

We are done with the main page, inside nav we have different path for another services or option. Let see "SAKAI LOGIN" inside we can get access to you Sakai account directly via website:

Then, if we want to get more information about the course we can check "SYLLABUS":

DCIT 205: MULTI MEDIA AND WEB DESIGN

Course Lecture

- Lecture: Michael Agbo Tettey Soli
- Email: msoli@ug.edu.gh / agbotettey@gmail.com
- Office Location: Room 010, Ground Floor, Statistics Building
- Office Hours: Mondays 2:30 – 4:30, Thursdays 9:30 – 10:30
- Lecture Period: Mondays 7:30am – 9:20am (NNB2)

Course Overview

This course is intended to introduce students to web application development. It aims to provide students with an understanding of the core concepts and principles underpinning the operation of the web. Students would feel confident in their ability to design simple web-based systems from ground up using industry standard tools and technologies. This course delivers sound training in the latest web technologies that are relevant to build modern and feature-rich web applications. It provides insight into state-of-the-art web design practice and introduces emerging topics in web development such as package management and version control. Development of web-based systems have become an important part of software development and this course is intended to equip students with the requisite knowledge and skill. The concepts and principles covered in this course would provide a strong foundation for a successful career in web application development and software development in general.

Course objectives

This course is designed to achieve the following objectives

- Equip students with the knowledge of how the web works, focusing primarily on concepts and core principles.
- Introduce students to web technologies and how they fit into the vast ecosystem of the web.
- Teach students how to set up a computing environment for web application development, including IDE setup, configurations, plugins, and extensions, etc.
- Introduce students to version control as an integral part of web application development.

Learning Outcomes

At the end of the course, students should be able to

- Explain clearly with diagrams how the web works, demonstrating understanding of key web concepts such as DNS, domain names, internet, ISPs, TCP/IP, URLs, SSL, proxies and CDNs
- Build responsive websites that run on multiple devices with different screen densities and sizes using HTML/CSS/JavaScript.

Course Delivery Plan

- This course will involve lectures for theoretical understanding and online tutorial sessions for hands-on application. We have the discretion to administer impromptu quizzes prior to tutorials.
- Self-directed study and extensive research are essential components for proficiency in web application development. A minimum of 12 additional hours per week for practice is strongly advised.
- Proactive learning is encouraged; students are expected to prepare ahead of class. This preparatory work will be evaluated through periodic quizzes administered before each session.

Lecture Plan

The following plan gives details of the broad topics that will be covered with appropriate references where applicable. Resources would be shared with students, including video lessons on the broad topics.

Week	Broad Topics	Activity
Week 1	Fundamentals of the Web: The Internet, TCP/IP, DNS, HTTP, DOM, Architecture of the Web	Submit a 4 Page report on how the web works
Week 2	Web Authoring Technologies HTML, CSS and JavaScript (Part 1)	
Week 3	Web Authoring Technologies HTML, CSS and JavaScript (Part 2)	
Week 4	Web Authoring Technologies HTML, CSS and JavaScript (Part 3)	
Week 5	Introduction to version control using Git	Create a 7 Page website of your choosing, and upload to a github repo.
Week 6	Introduction to React	
Week 7	Building Frontend Applications with React	Build the Frontend for a missing grade reporting
Week 8	Introduction to NodeJS	
Week 9	Data Persistence using MongoDB	
Week 10	Building Backend Applications using NodeJS	Build the Backend for a missing grade reporting system - Submit Github Link
Week 11	Consuming REST APIs from React & React Native Applications	Integrate Backend with Frontend and submit.
Week 12	Application Deployments	Deploy application. - Submit deployed link.
Week 13	Revision Week	

Plagiarism Policy

Plagiarism in any form is unacceptable in the University of Ghana and shall be treated as a serious offence. Any assignment with a plagiarism score of 10%+ will be automatically awarded a mark of zero. Appropriate sanctions as stipulated in the university's Plagiarism Policy, will be applied when students are found to be in violation.
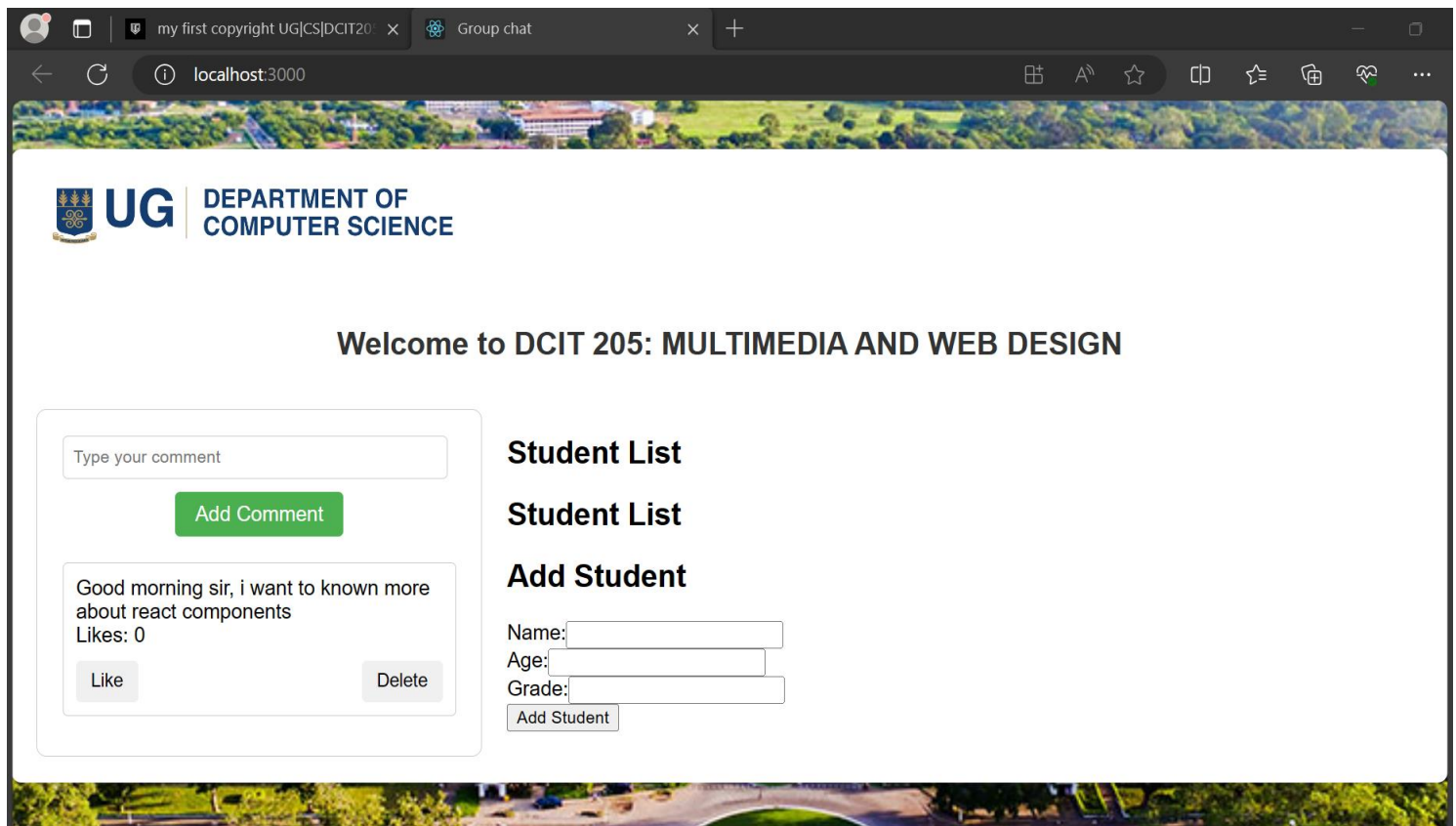
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If we want to get more information abouts Computer Science Department click on "About Us":
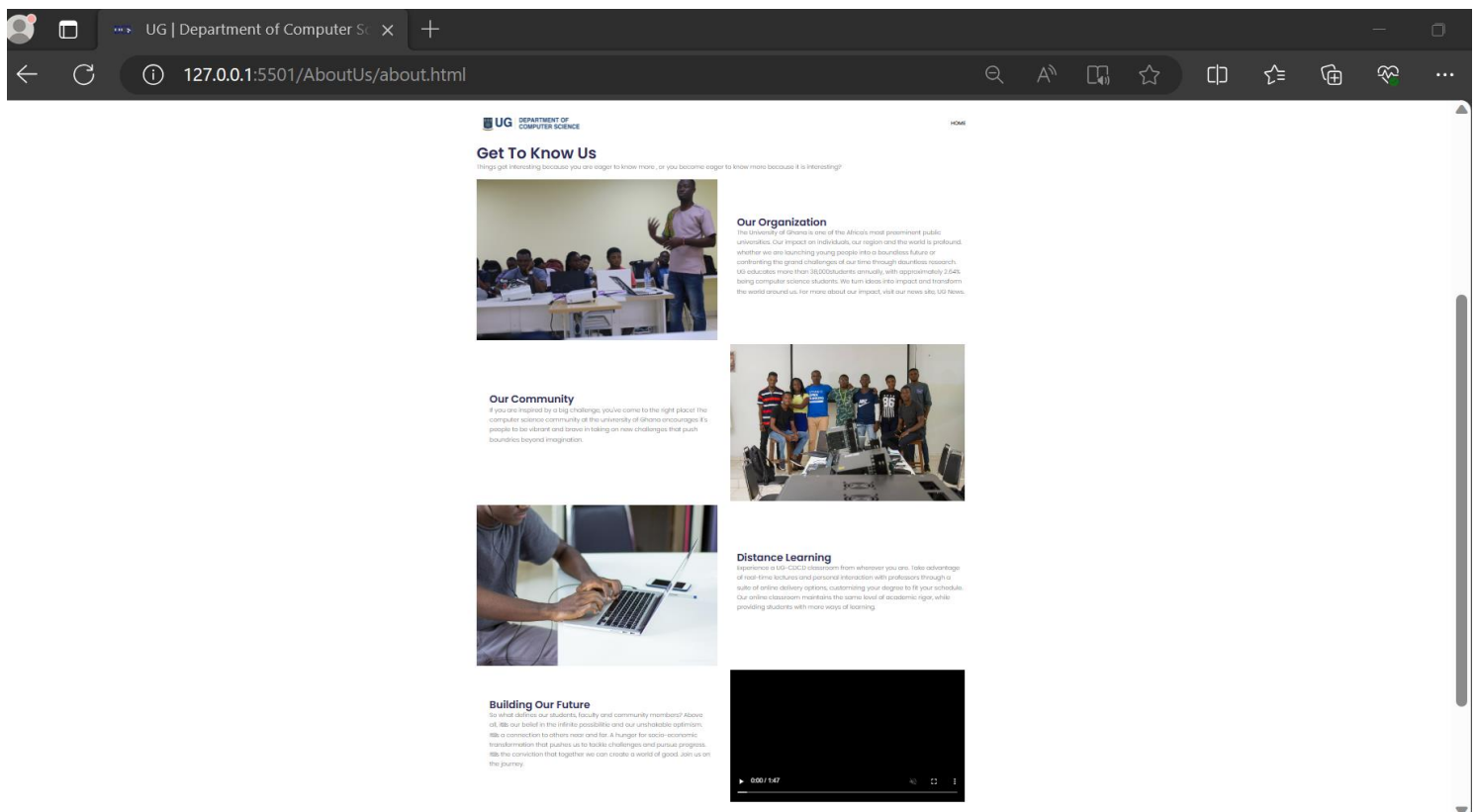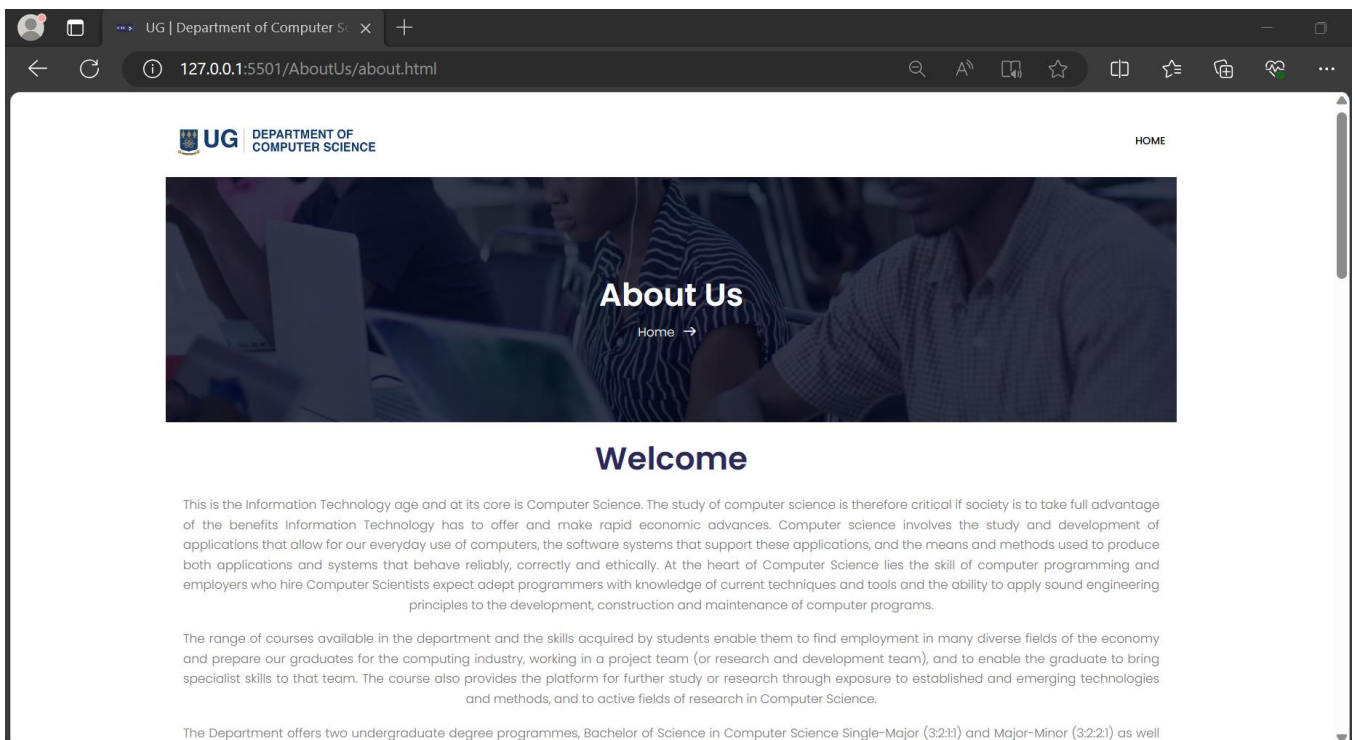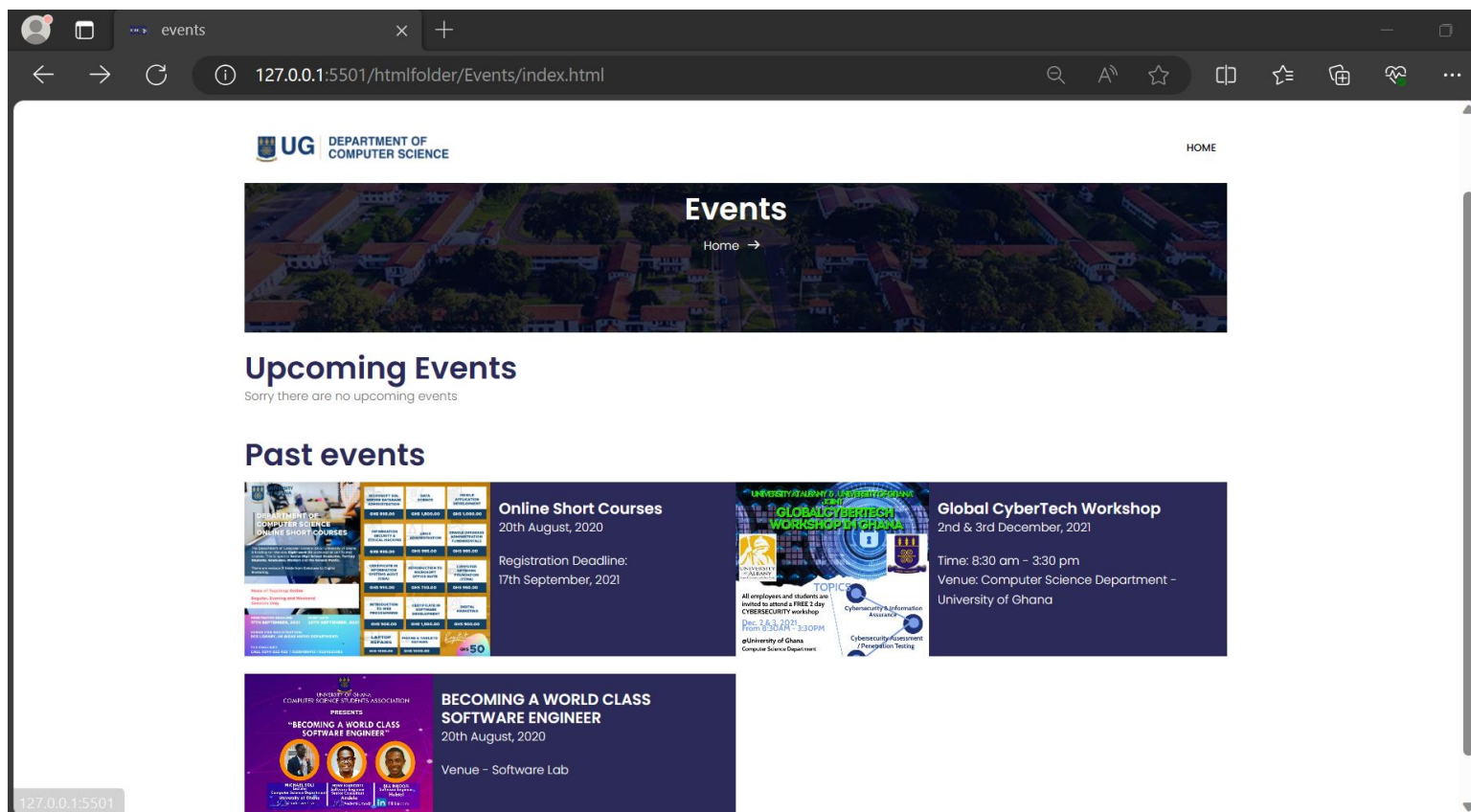

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Inside group chat, student should be able to create a comment and add own information: this page helps more interaction with lecturer and students.
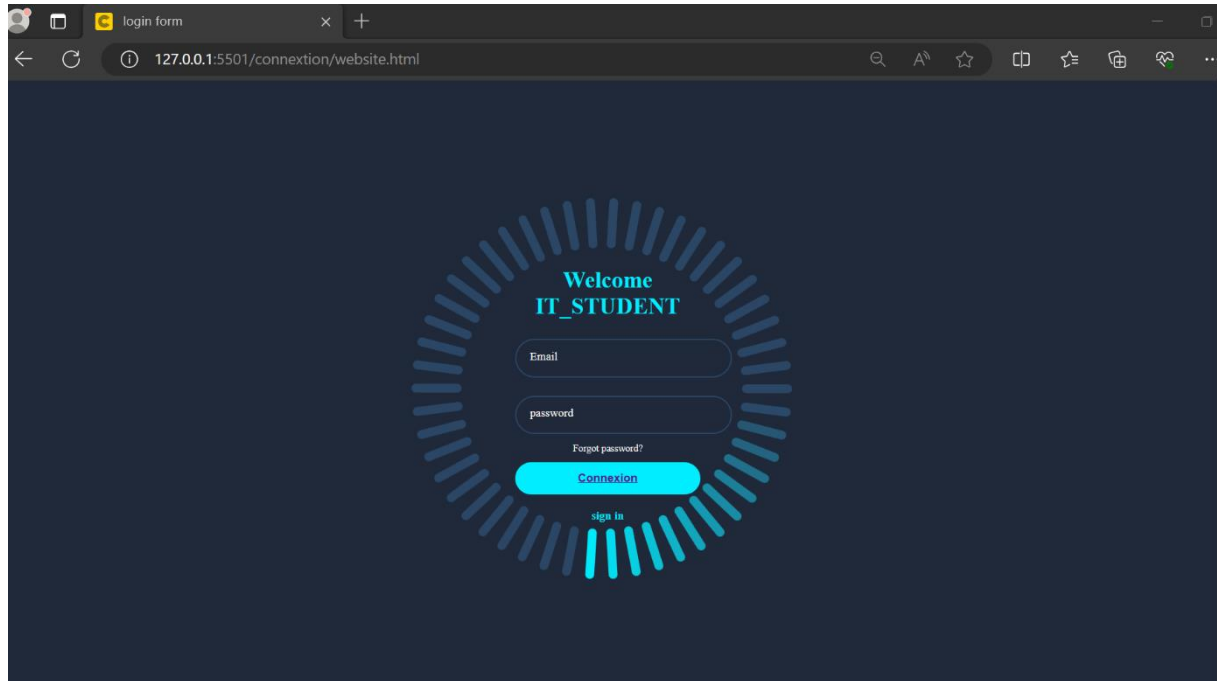

Our website can also, show event inside Computer Science department just click on "View upcoming and ongoing events" :
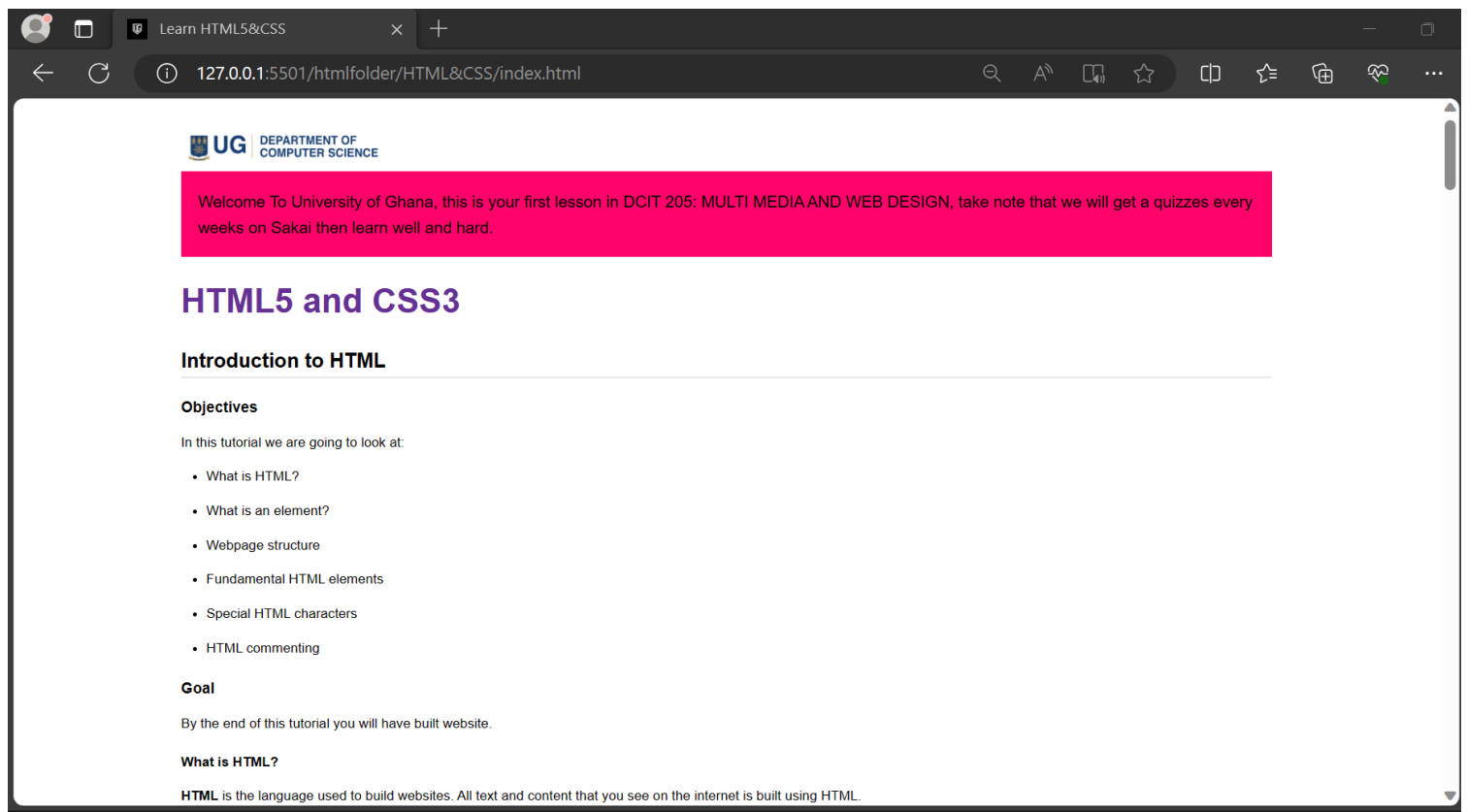
So, let going in the main propose of our website, in this website we can learn HTML5 and CSS3:

Before anything we are supposed to field a form and connect with your email Student and password as follows:
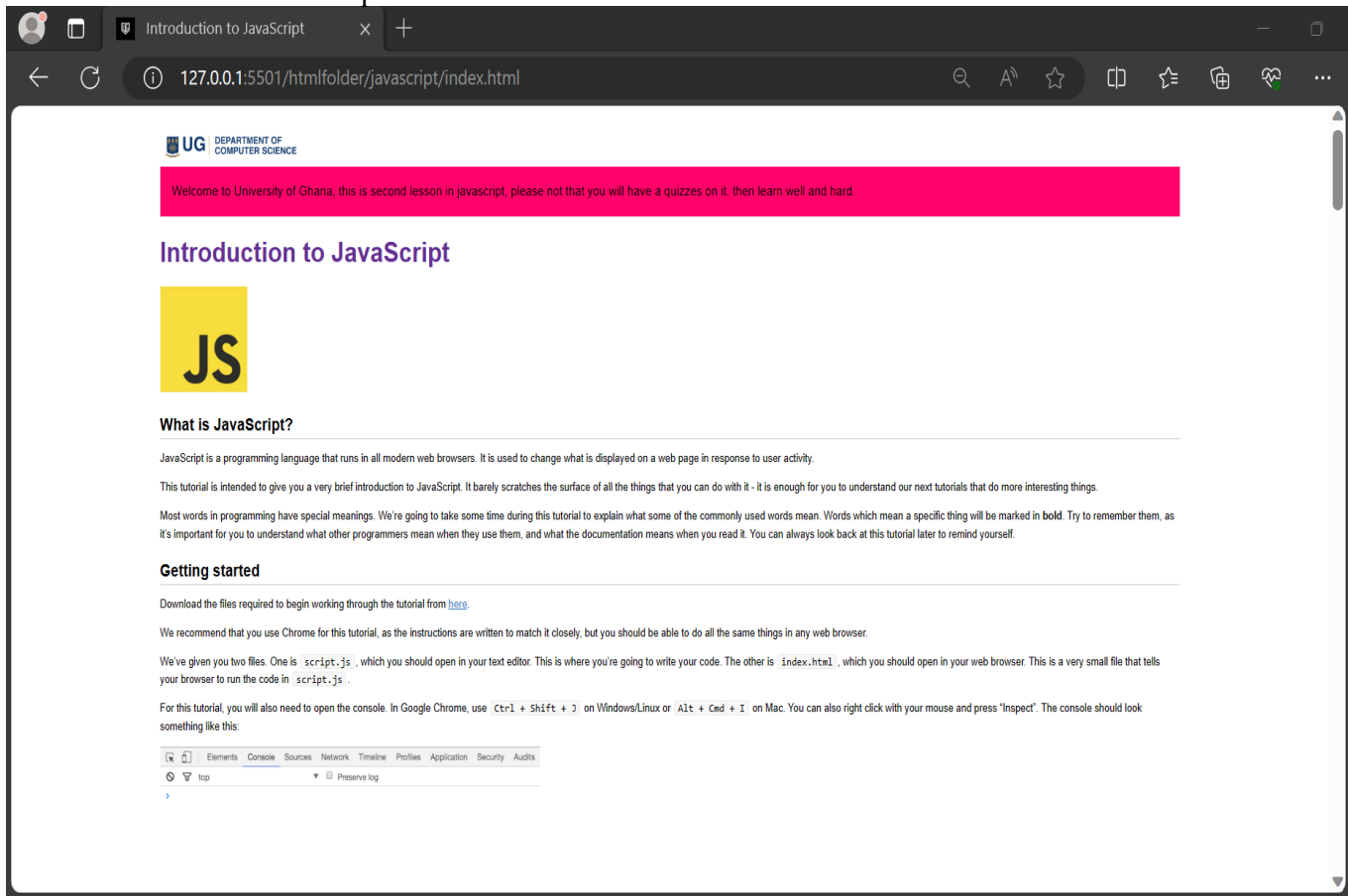
You can learn HTML5 and CSS3:

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We can learn JavaScript:

We can learn also React and NodeJS, don't forget that for every lesson we could login before we can get access:

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To be continue…

Finally, inside our application we can learn Git and GitHub on it just click where you see "learn Git ang GitHub and you we will get this page:

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For this project I get more knowledge, everybody knows that we are a new generation of artificial intelligence, then I can say, ChatGPT 3.5 and 4, charle.io and more other AI help me in this project, I learn how I can fork a public repository and clone it in my local workplace, how we use git with several commands. I leaned how we can make a pull request. I learned React JSX, react components, react props, react Render react Hook, I never forget some CSS and html I learned in this project,

Thank you, for this project we hope that we can get a nice grade.

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