IPMC

SOTWARE ENGINEERING

A PROJECT DOCUMENTATION SUBMITTED IN FULFILMENT OF DIPLOMA IN SOFTWARE ENGINEERING.

PROJECT TITLE

SCHOOL COMMUNITY SYSTEM

BY

(Daniel Adeabah)

SEPTEMBER, 2022

DECLARATION

This project documentation has not previously been accepted in substance for a diploma or being submitted in candidature for any diploma elsewhere.

This project documentation is as a result of my own effort except where otherwise stated.

I hereby declare that the preparation and presentation of the project documentation was done in accordance with the guidance laid down by IPMC.

....	....
Stundent's signature	**Date**

(DANIEL ADEABAH)

Email: danieladeabaa@gmail.com

Phone: 0597948753

LinkedIn: linkedin.com/in/danieladeabaa

AKNOWLEDGEMENT

I would like to acknowledge the inspirational instructional guidance, selfless devotion leadership skill of Mr. Bernard Teye, an instructor of IPMC, Takoradi branch, who helped to be our course instructor.

I would also like to acknowledge the IPMC institution for such a lucrative environment for students to achieve their goals in technology while giving opportunities in the job sectors. And also from staff to everyone we came across during the time of the course.

ABSTRACT

School community system is essential for managing the activities of students while keeping them in touch with the school. This website will go a long way to benefit both students and the school enormously. These includes student's access to their personal information or portfolio and the school's ability to give companies or job recruiters to easily access these profiles. It also serves as a platform for ads and news.

Table of content

1. <u>Introduction</u>

Nowadays, schools barely or completely have database of students' public profiles or community to showcase the activities of the students.

This community system connects everyone in the school from students to the administrators. It is a website interface at the moment built with html, css and javascript.

This website allows student to access their details and update anytime and anywhere even after they have completed school. However, there is a limit to the type of data they can update. This also gets leavers updated of every information and happenings in the school.

2. <u>Brief Description About The Project</u>

This project is a website which aims at providing easy accessibility for students, administrators, parents and even companies to access and stay up to date with the students and the school as a whole.

The business goal of this project is to make it easy for the school to allow job placement and recruitments by companies, organizations and institutions irrespective of the geographical locations of the organization.

<u>Complexity</u>

This website is dynamic- which could be updated, upgraded and edited from time to time.

There is a Constant Management System (CSM) added to this website which will enable the developer to edit and update.

3. **Problem Definition**

Nowadays schools have no public profiles for student. Which means almost 85% of students tends to forget the school they had previously attended especially after admitted to a different school. Parents on the other hand finds it difficult to know their wards activities or performances.

Besides all the challenge above a student may want to have more data of which is not available except the certificate the school provides at the end of school.

A website is more efficient, convenient, less time consuming, and extremely cheap for information accessibility. This website solves the above-stated challenge.

4. Business Case

This website gives student additional credibility to their job profiles or portfolio since the community provide all the relevant information for various job descriptions.

The website also gives the school the basic required funds for other developmental projects through the online advertisement features which is included in the interface.

Benefits and Limitations

The business aspect of this website elaborates on the benefits as well as the limitations for its usage.

There is the need to explore new digital experience which comes with some benefits as stated below;

i. **Save Cost through efficient usage of the website:** There is no need for visitation to campus by students or companies who desire to access information.

ii. **Helps generate Revenue:** Revenue will be generated through patronage by companies who would want to advertise their products and service on the platform.

iii. **Makes the School Attractive:** Potential students will have interest in enrolling in the school. This is because the school offers the website community infrastructure for facilitating access to vital information about the school as well as creating prospects for students after school.

Limitations

Every new technological innovation comes with its own limitations in spite of its enormous benefits. Below are some of the limitations associated with the internet.

i. **Network Challenge:** Online portals require the use of the internet, which is provided by the various telecommunication companies in the country. Uninterrupted internet and speed is of essence in this present age. However, the level of technological advancement and internet delivery/ bandwidth have lapses many times. These affects smooth internet and access on our potential website.

5. __Functional Requirement__

The functional requirement of this website is to provide access for information through systematic steps and menu.

__The functional requirement of this website are as follows:__
i. **Login and Signup:** This menu is used to create and log to administrators, lecturers and students account.
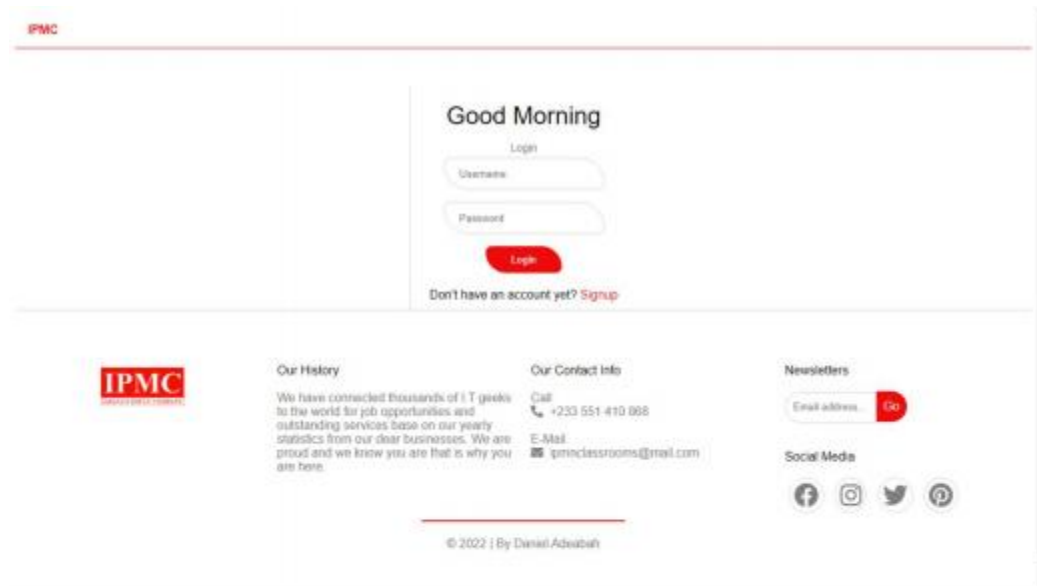
ii. **Add Courses and Classrooms:** This menu is used to create a course to be able to create its classrooms.
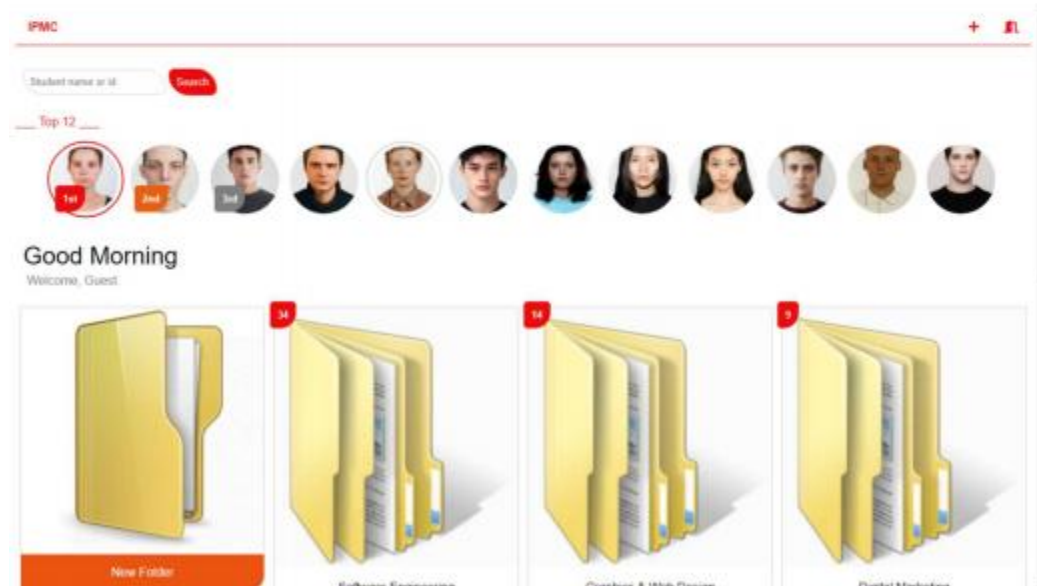
iii. Add students, lecturers and class prefects or administrators: Inside a classroom we are able to add lecturer, class prefect or administrator and students.

iv. Profiles: Administrators, lecturers and students have their unique profile page which is used to display their required details or information by the school's platform.

v. Reviews and Visits: Administrators, lecturers and students can write reviews on profiles except ordinary user or guest. Reviews, visits and student remarks are put together to list the top students in the school.
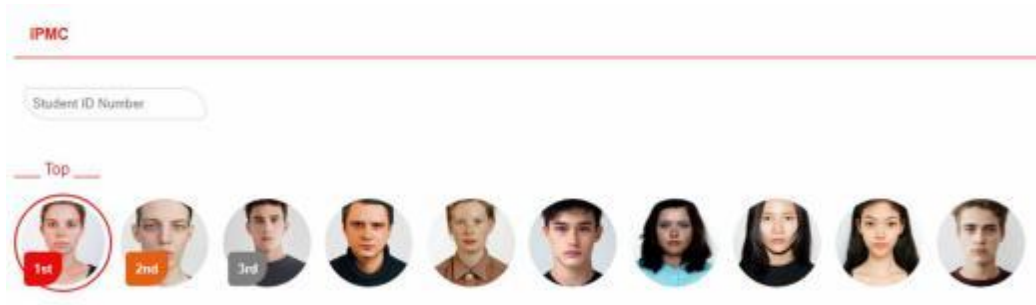
vi. Post Advertisement: On the home page, administrator is able to post advertisement which is visible to everyone who visits the website.
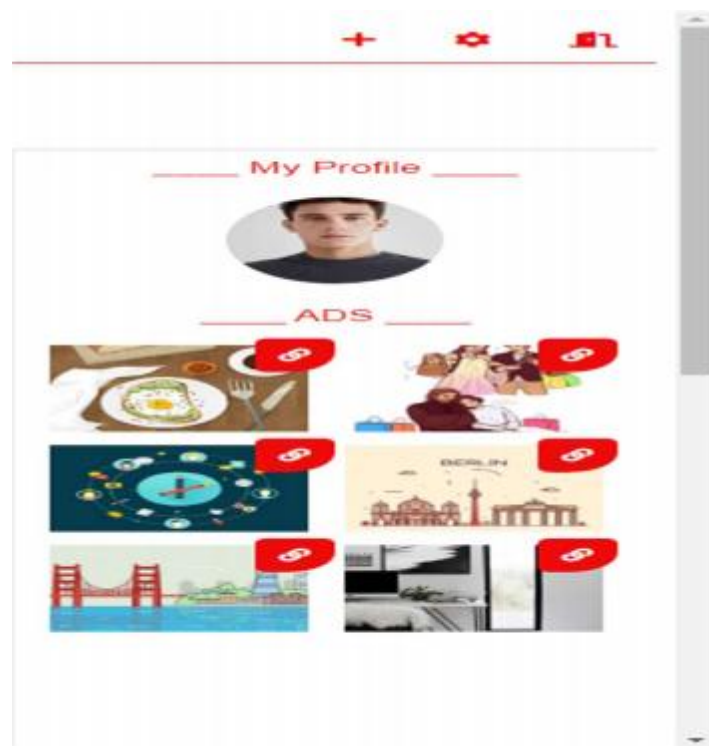
vii. Search: This is used to search for students, courses and classrooms by anyone on the website.

The Code Highlights.