

# **MBARARA UNIVERSITY OF SCIENCE AND TECHNOLOGY**



## **FACULTY OF APPLIED SCIENCES AND TECHNOLOGY BIOMEDICAL SCIENCES AND ENGINEERING**

**COURSE: Web Application Development**

**COURSE CODE: CSC2207**

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## **Project Report**

**Project Name: My Gmail**

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## **Introduction**

My Gmail project is a web application that replicates the basic features of Gmail. The project is implemented using Django and MySQL.

## **Key Features**

The key features of the My Gmail clone project are:

**Create and manage email accounts.** Users can create and manage email accounts, including adding and removing users, changing passwords, and setting up email forwarding.

**Send and receive emails.** Users can send and receive emails, including attaching files and setting up email filters.

**Organize emails.** Users can organize emails into folders and labels.

Search for emails. Users can search for emails by sender, recipient, subject, and date.

**Delete emails.** Users can delete emails permanently or move them to the trash bin.

## **Implementation**

The Gmail clone project is implemented using Django and MySQL. Django is a web framework for python that makes it easy to develop web applications. MySQL is a relational database management system that stores the data for the web application.

The project is divided into two main parts: the frontend and the backend. The frontend is the part of the project that users interact with. It is implemented using HTML, CSS, and JavaScript. The backend is the part of the project that handles the data and business logic. It is implemented using Django.

## **Evaluation**

My Gmail clone project is a well-implemented project that replicates the basic features of Gmail. The project is easy to use and has a good user interface. However, there are a few areas where the project could be improved. For example, the project could be made more secure and the search functionality could be improved.

## **Lessons learnt.**

I learnt managing views on a website using admin.

Managing databases especially MySQL and coming up with a well organized webpage using django.

## **Recommendations**

Based on my evaluation, I recommend the following improvements for My Gmail clone project:

Making the project more secure by implementing security features such as two-factor authentication.

Improve the search functionality by making it easier for users to find the emails they are looking for.

Add additional features to the project, such as the ability to collaborate on emails and the ability to create shared mailboxes.

## **Conclusion**

My Gmail clone project is a good example of a web application that can be implemented using Django and MySQL. The project is well-implemented and easy to use. However, there are a few areas where the project could be improved. Overall, the Gmail clone project is a good starting point for anyone who wants to learn how to develop web applications using Django and MySQL.