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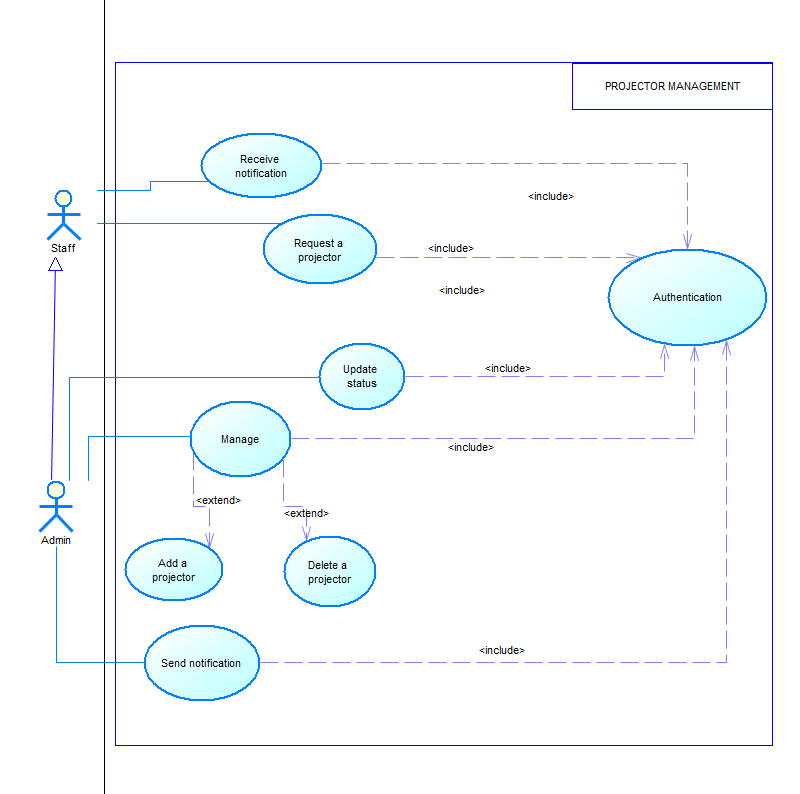
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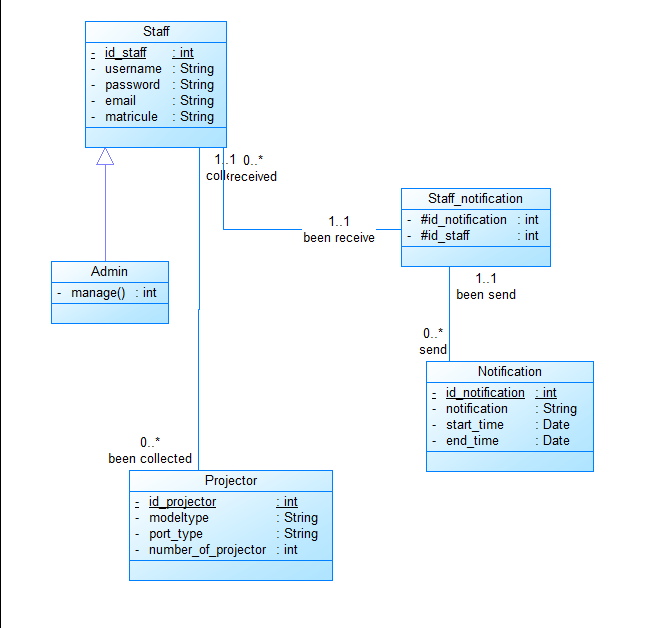
1. Introduction

This report outlines the current state of projector management at AICS Cameroon and proposes a plan for improvement. Projectors are vital tools for enhancing classroom presentations and student engagement. However, improper management can lead to inefficiencies, equipment damage, and disruption of learning activities.

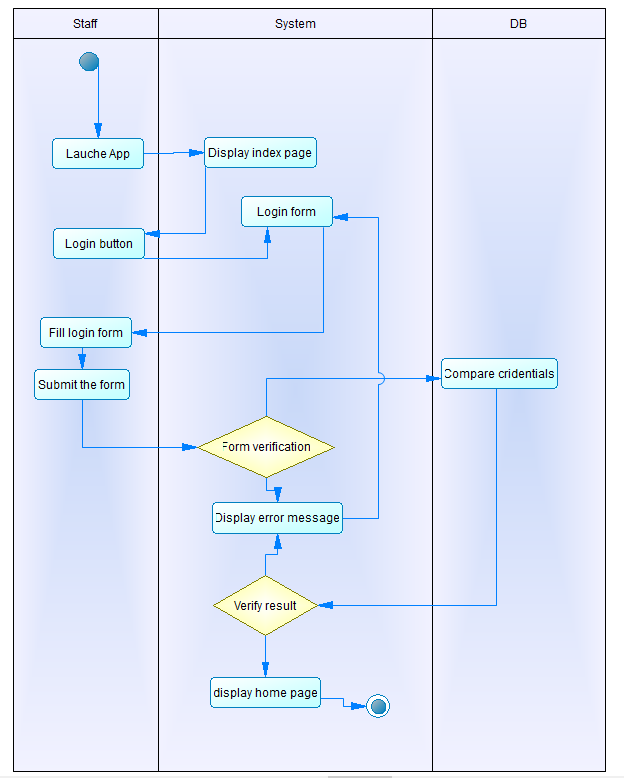
1. ****Analytic Phase****
2. **Use Case Diagram:**

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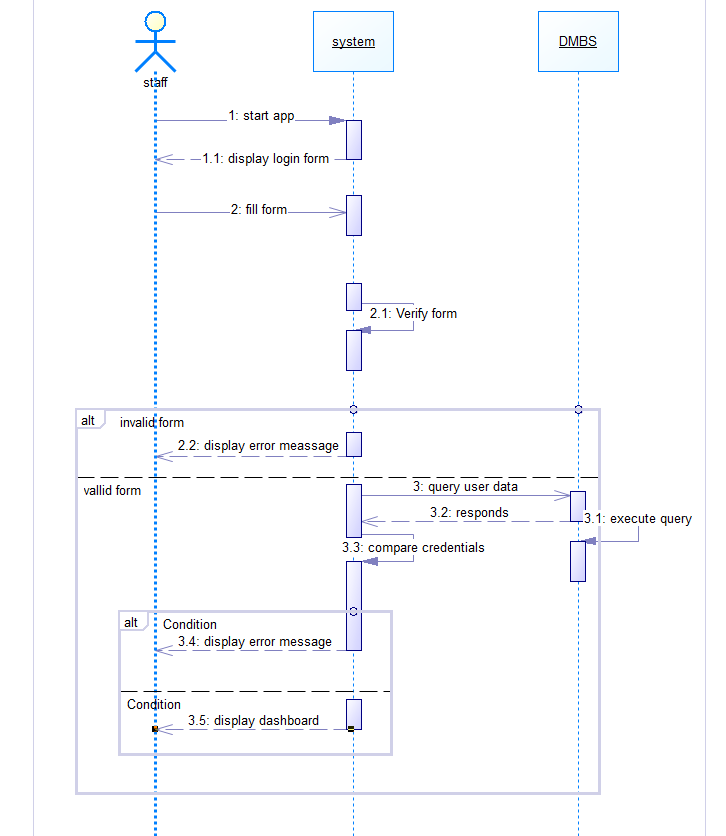
1. **Class Diagram :**

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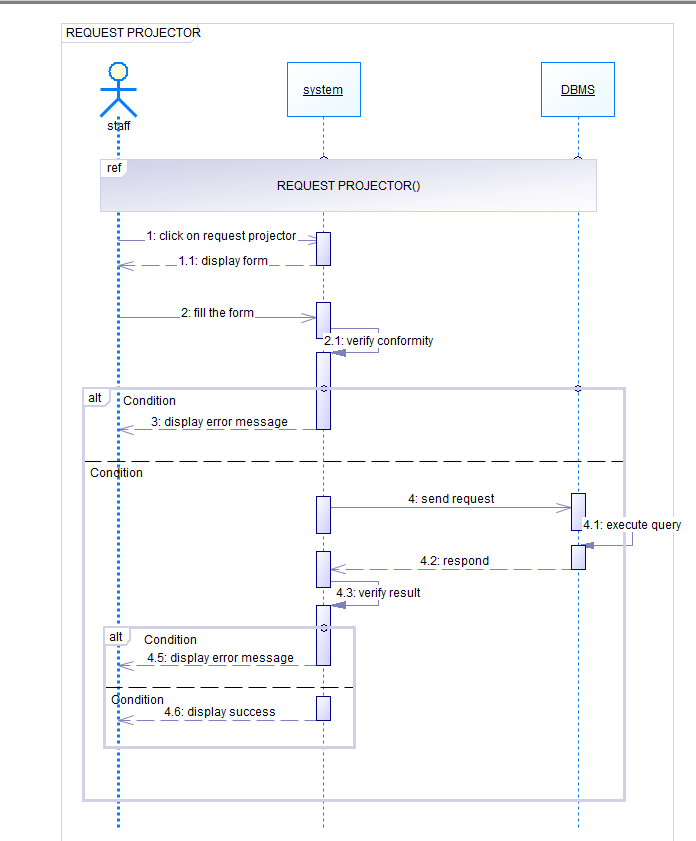
1. **Activity Diagram :**

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1. **Sequence Diagram:**

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**Request projector sequence diagram**

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1. Realization Phase

**Technology Stack:**

* **Backend:** Django (Python web framework)
* **Frontend:** HTML, CSS (for user interface)
* **Database:** MySQL (

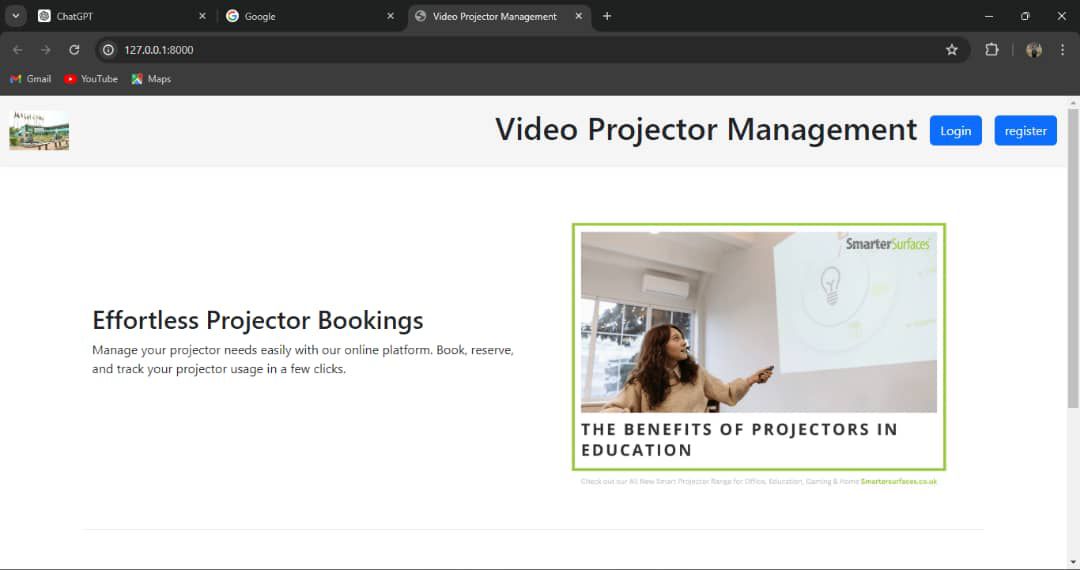
**Application Features:**

* **Admin Panel :**
  + Manage projector inventory (add, edit, delete).
  + View projector usage reports (reservations, maintenance history).
  + Create and manage user accounts (assign roles).
* **User Interface :**
  + Search for available projectors based on date and location.
  + Reserve projectors for specific time slots.
  + View and manage existing reservations.
  + Cancel reservations.

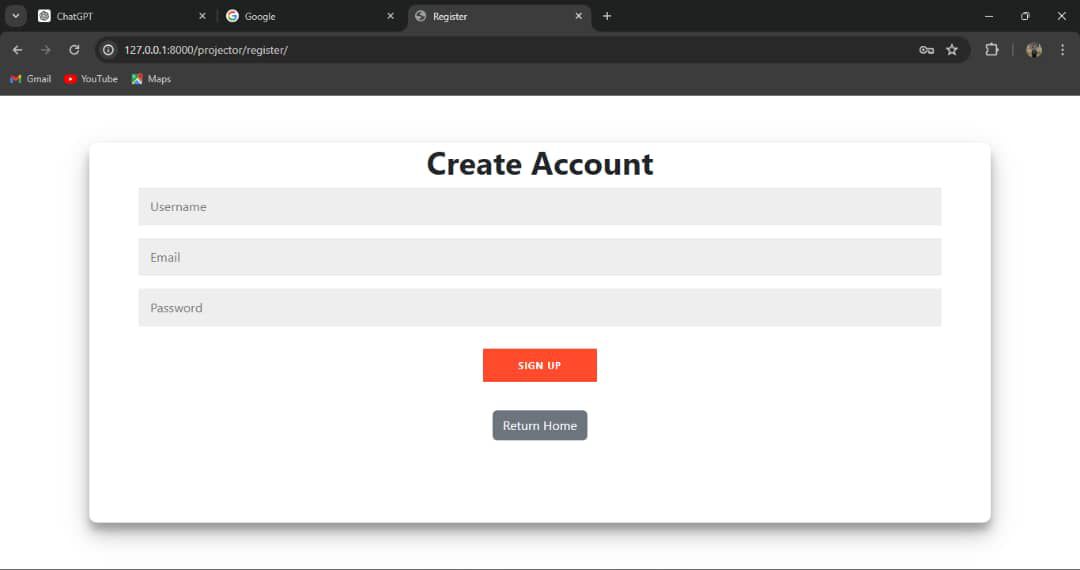
IV. User Guide

* + 1. **Accessing the application:**

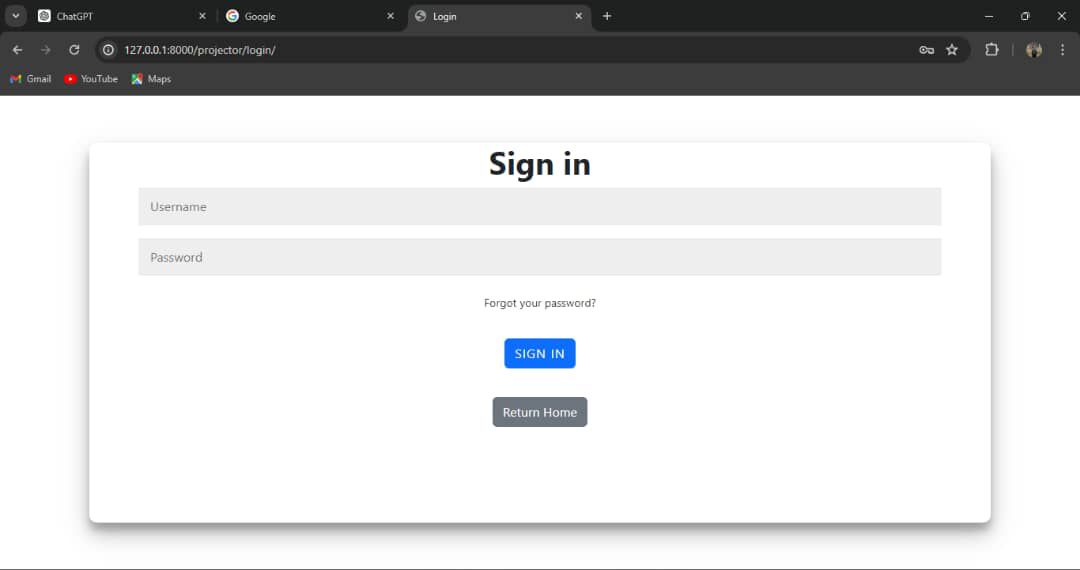
The application lands with a beautiful home page where each user will be asked to login or register and be directed to its different page to perform his/her activities.



*Home page*



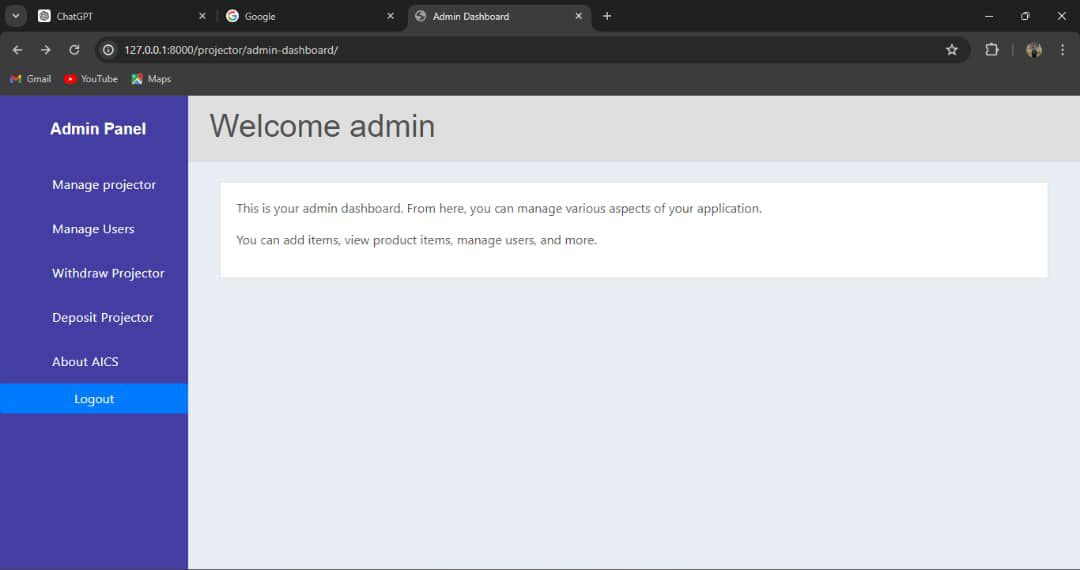
*Register page*



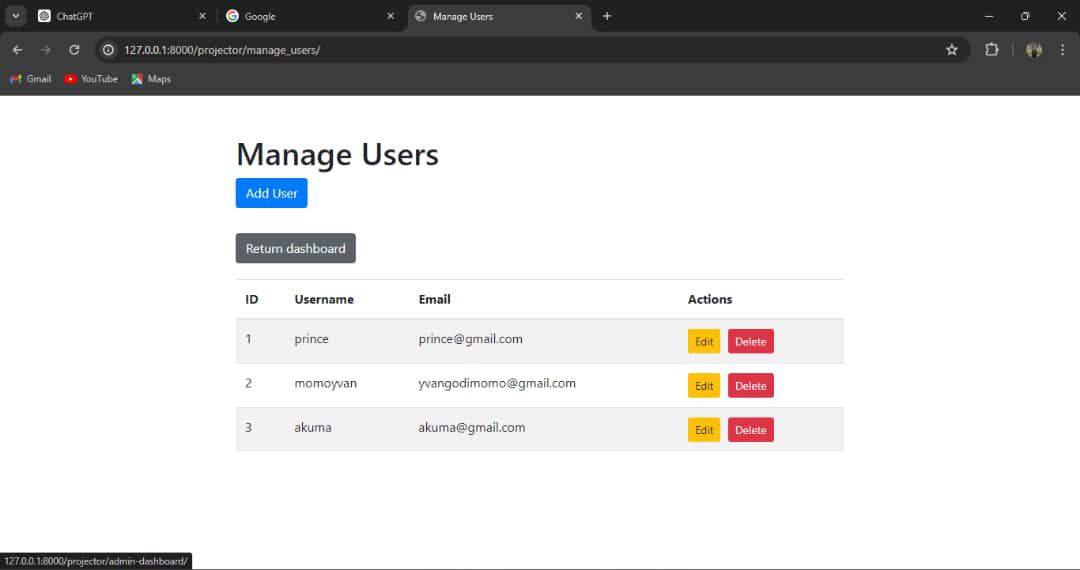
*Login page*

* + 1. **The admin dashboard**

Here the user have information from the database and their state and with a left menu to navigate through the main pages of the app. He can add users, projectors and control the withdrawal of each projector.



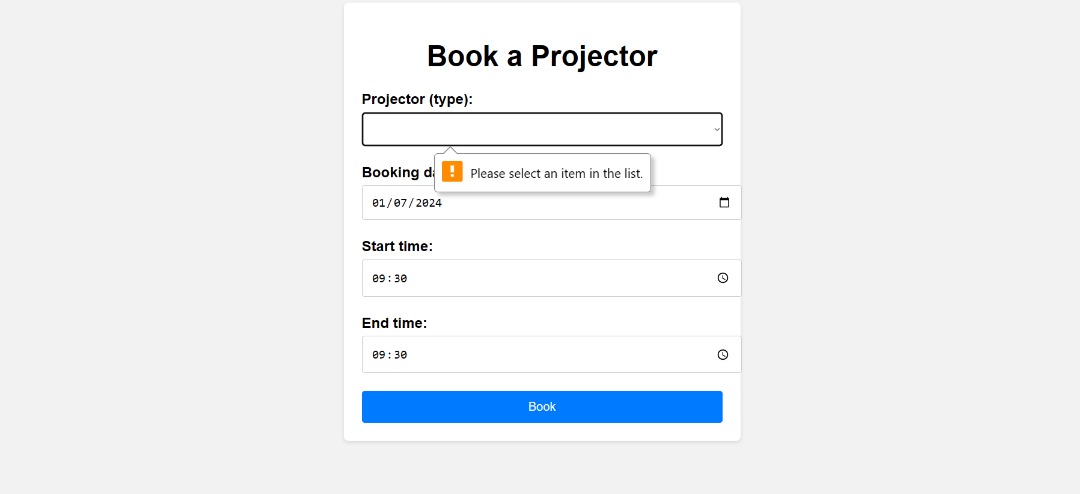
*Admin page*



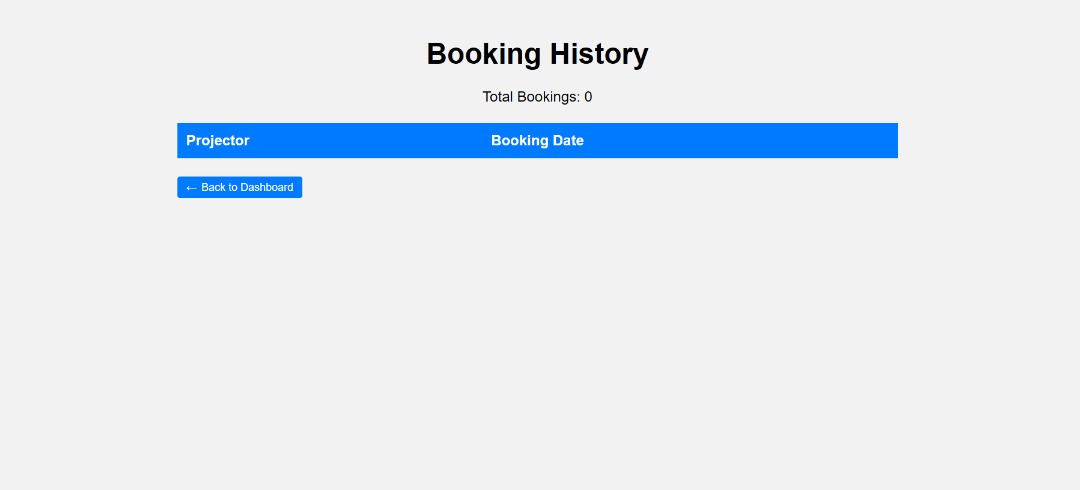
*Manage user’s page*

* + 1. Booking for a projector

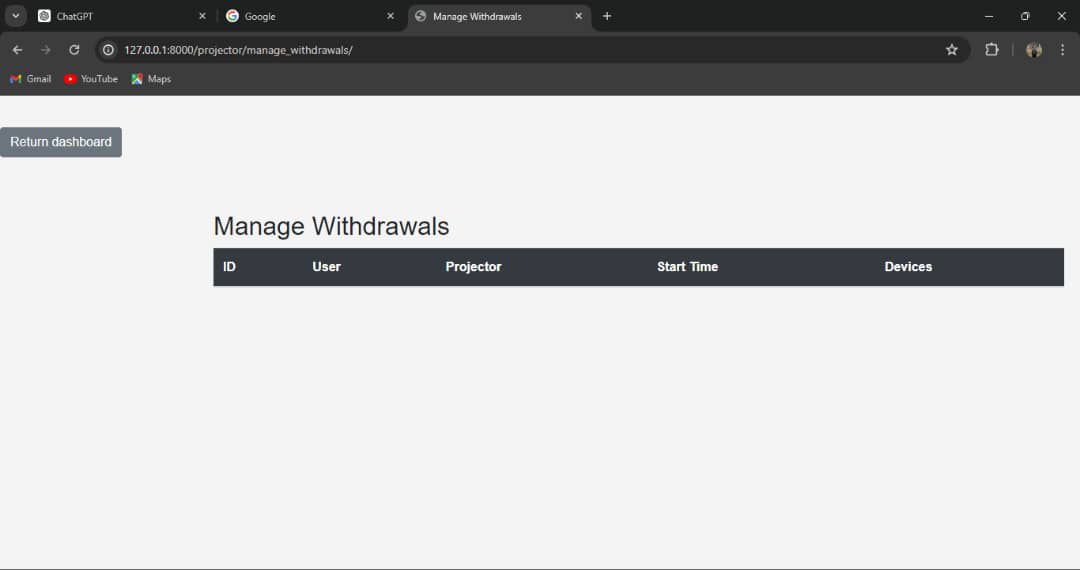
The have an interactive and easy to use interface to ease the users/teachers to book for a projector and all the accessories that goes with the projector. Then the user can also see the booking history and the projectors available.



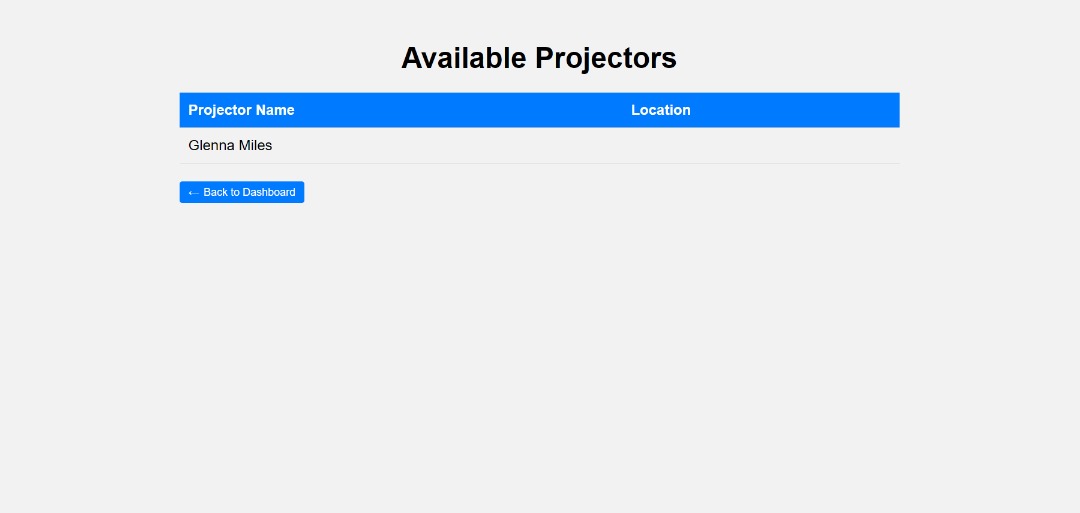
*Booking projector page*



Booking History



*Projector withdrawal*



Available Projector

* + - 1. Conclusion

This web application offers a user-friendly and efficient solution for projector management at AICS Cameroon. Implementing this system will optimize resource utilization, improve communication, and ultimately enhance the teaching and learning experience.