STUDENT FEEDBACK SYSTEM REPORT

GROUP T

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GitHub Link:

https://github.com/Emmanuel-Katwebaze/group_T_student_feedback_system

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1. Introduction

1.1 Purpose

The Software Design Document is the detailed plan for developing the required piece of software. It outlines the finished software functionality and the team's plans in building it.

Within this SDD are descriptions and graphical documentations of the software design for a student feedback system.

1.2 Scope

This software will provide support for universities that wish to have a structured and organized format to get and evaluate feedback from the students about the instructors, courses and campus facilities.

1.2.1. Goals and Objectives

The primary goal of this software design project is to develop a comprehensive and user-friendly system that facilitates universities in obtaining, managing, and analyzing feedback from students, with a focus on instructors, courses, and campus facilities. By achieving this overarching goal, the software aims to fulfill the following specific objectives:

1.2.1.1. Streamlined Feedback Collection

The software will enable universities to effortlessly gather feedback from students through a well-designed and intuitive interface. It will offer a standardized mechanism for students to share their opinions on instructors, courses, and campus facilities, ensuring that the feedback collection process is convenient and consistent across various departments and programs.

1.2.1.2. Comprehensive Data Management

Our software will provide universities with a centralized platform to efficiently manage and store the collected feedback data. It will organize the feedback submissions, ensuring accurate categorization and easy retrieval. This objective includes implementing features for data filtering, sorting, and search

functionalities, allowing university administrators to access relevant information swiftly.

1.2.1.3. In-depth Analysis and Reporting

The software will empower universities to gain valuable insights from the accumulated feedback data. It will offer robust analytical tools that allow administrators to generate insightful reports, charts, and graphs. By identifying trends and patterns, universities can make informed decisions to enhance the quality of instruction, curriculum, and campus facilities.

1.2.1.4. User-Friendly Experience

Our software will prioritize user experience, ensuring that both students and administrators find the interface intuitive and easy to navigate. User-friendly design and clear instructions will be integral to achieving this objective, contributing to increased participation and effective utilization of the feedback system.

2. System Overview

2.1. System Description

The system at hand is a robust and intuitive software application that provides a comprehensive platform for universities to facilitate the process of collecting, managing, and analyzing feedback from both students and administrators. This system seamlessly integrates two distinct sides: the Admin Side and the Student Side, each designed to fulfill specific roles and tasks to enhance the feedback and evaluation process within the university environment.

2.1.1. Student Side

- **Login Page:** The login page enables students with existing accounts to access forms submitted by the admin. Students are required to enter their Student ID and password for logging in.
- **Sign Up Page:** The sign-up page allows new students to create an account. Students need to provide their name, email address, Student ID, Course, enrollment year, and select a secure password.
- **Students' Dashboard:** The students' dashboard comprises three main elements: the

default/welcome page, the forms page, and the Logout button. The default/welcome page displays the count of both answered and unanswered forms, helping students become aware of newly created forms by the admin.

- **Forms Section:** When a student intends to respond to an admin-submitted form, they must click on the "Forms" button in the side navigation to view both answered and unanswered forms. If a form has already been answered, it will be marked as such, preventing the student from reopening it. Finally, students can log out by clicking the "Logout" button in the side navigation.
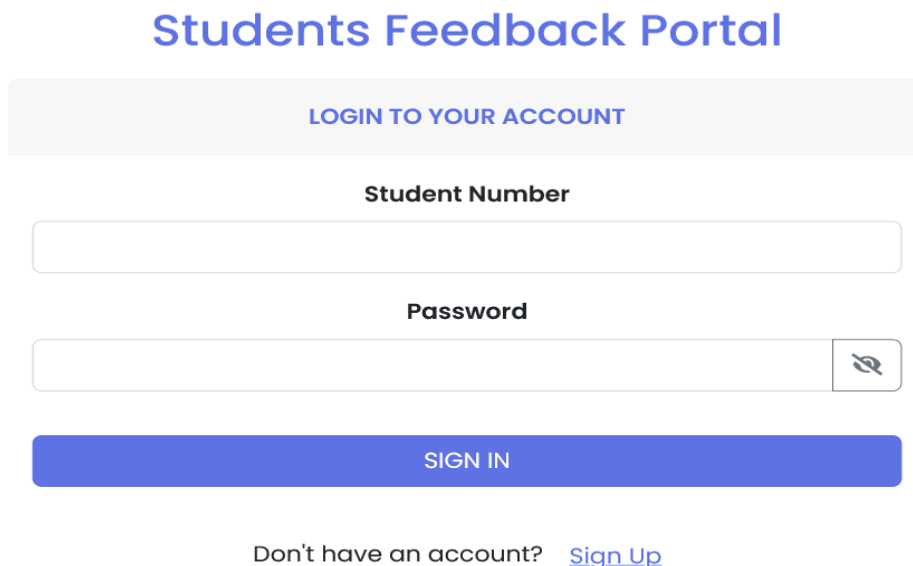
2.1.2. Admin Side

- **Admin login page:** This page enables the admin to enter their login credentials for accessing the admin dashboard. An admin account is created at the project's outset using the command "python manage.py createsuperuser." The default username and password serve as the admin's login credentials.

- **Admin dashboard:** Upon logging in, the admin is directed to the dashboard. This central hub offers an overview of the feedback system's operations, including the total number of students, facilities, courses, instructors, created forms, and answered forms. The dashboard provides links to various pages that empower the admin to undertake different tasks. These tasks encompass creating new forms for student feedback, adding instructors, students, facilities, courses, and the ability to edit or remove any of these entities as necessary.

- **Students page:** This page presents detailed information about students, including their first and last names, course, email, student ID, and enrollment year. The admin can perform actions such as deletion, editing, and addition of new student records as required.

- **Campus Facilities Page:** Here, the admin can view and manage the system's diverse facilities. Actions like addition, deletion, and editing of campus facilities are possible from this page. The page provides attributes of each facility, including its name, ID, contact information, description, availability, and operational hours.

- **Courses page:** This page displays information about the available courses on campus. Attributes such as Course ID, name, course code, department, and credit hours are presented for each course. The admin can also perform actions like adding, editing, and removing courses from this page.

- **Instructors page:** The admin can access a comprehensive list of instructors available on campus, complete with details such as Instructor ID, name, email, and department. Similar to other pages, the admin has the ability to add, edit, and delete instructor records from this page.

- **Forms Page:** This section enables the admin to create forms for student feedback. The forms are categorized into Instructors, Facilities, and Courses. This categorization aids admins in colecting specific feedback. For instance, if admins wish to collect feedback on instructors, they select the "Instructors" category. The Forms Page includes a "Manage" button, which leads the admin to manage forms based on their respective categories.
- **Forms Manage Page:** Clicking the "Manage" button directs the admin to a page where they can create new forms or review existing ones. To craft a new form, the admin must provide a title and a category ID (e.g., Instructor ID for an Instructors category). For reviewing available forms, the admin can explore responses, view the forms themselves, and delete individual forms as needed.
- Additionally, this page offers the ability to present statistical data using pie charts or bar graphs, effectively summarizing the number of responses received for the submitted forms. This graphical summary serves as a convenient visualization of the collected feedback. Furthermore, the admin can choose to print this summary or export it as a CSV file for further analysis or sharing.

3. Interface Design

3.1. Overview of Student User Interface

Figure 3.1.1 portrays the Student sign-in form.

Students Feedback Portal

SIGN UP FOR AN ACCOUNT

First Name

Last Name

Student Id

Course

Email

Enrollment Year

Password

Confirm Password

SIGN UP

Already have an account? Sign In
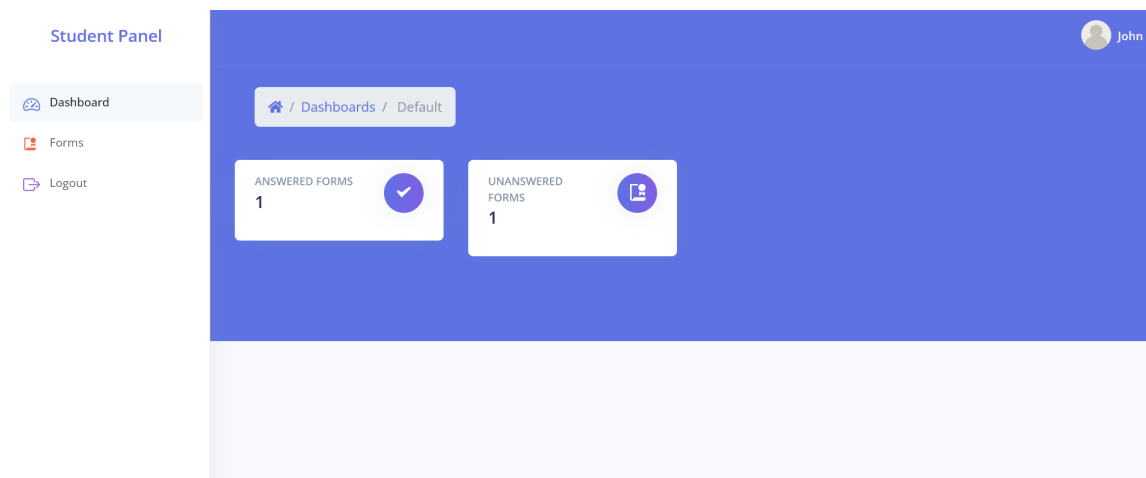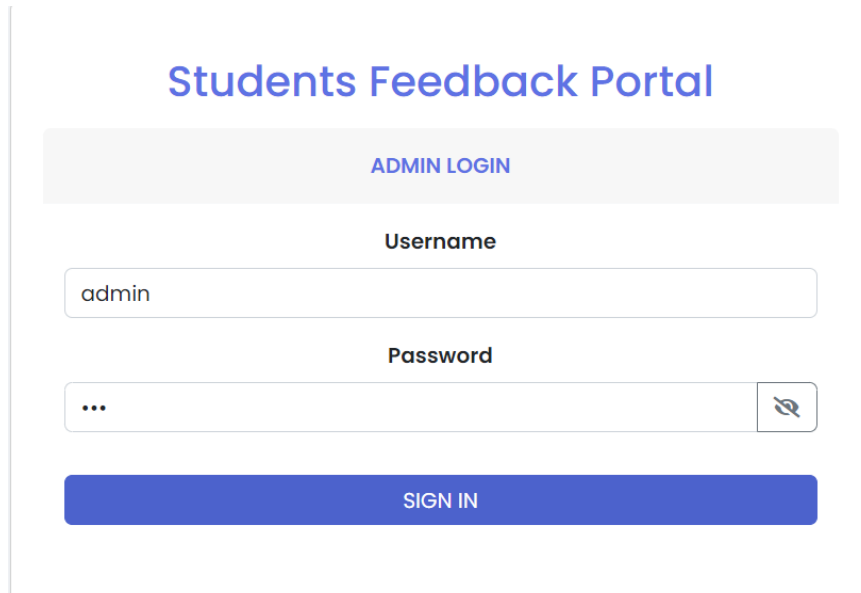
In Figure 3.1.2, the student sign-up form is depicted.

Student Panel

John

🏠 / Dashboards / Default

- Dashboard
- Forms
- Logout

ANSWERED FORMS
1

UNANSWERED FORMS
1

Figure 3.1.3 Shows the student dashboard.

3.2. Overview of Admin User Interface

Figure 3.2.1 Admin sign In page username: admin, password: 123
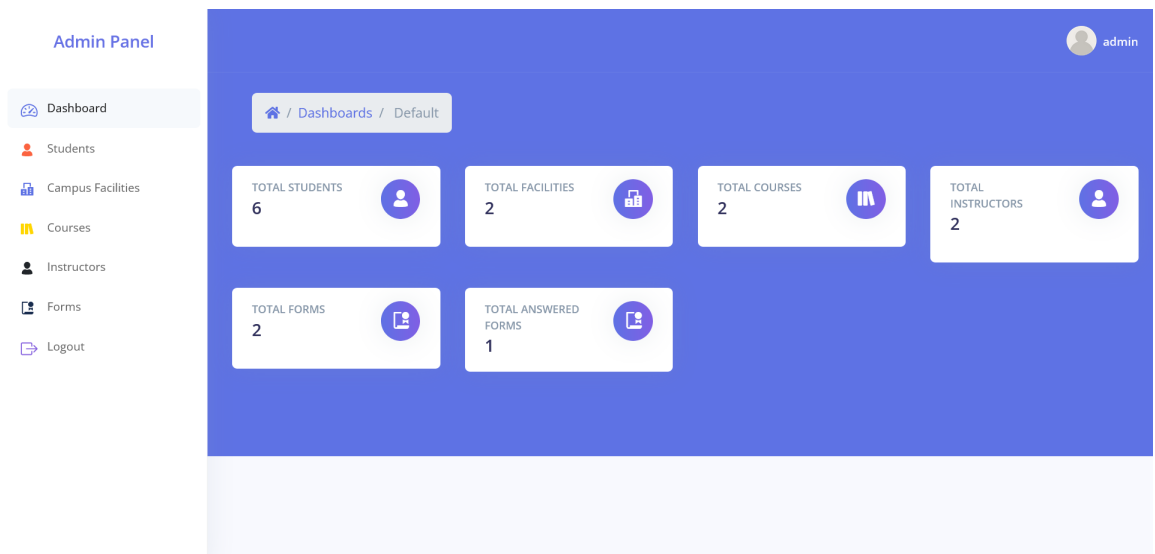
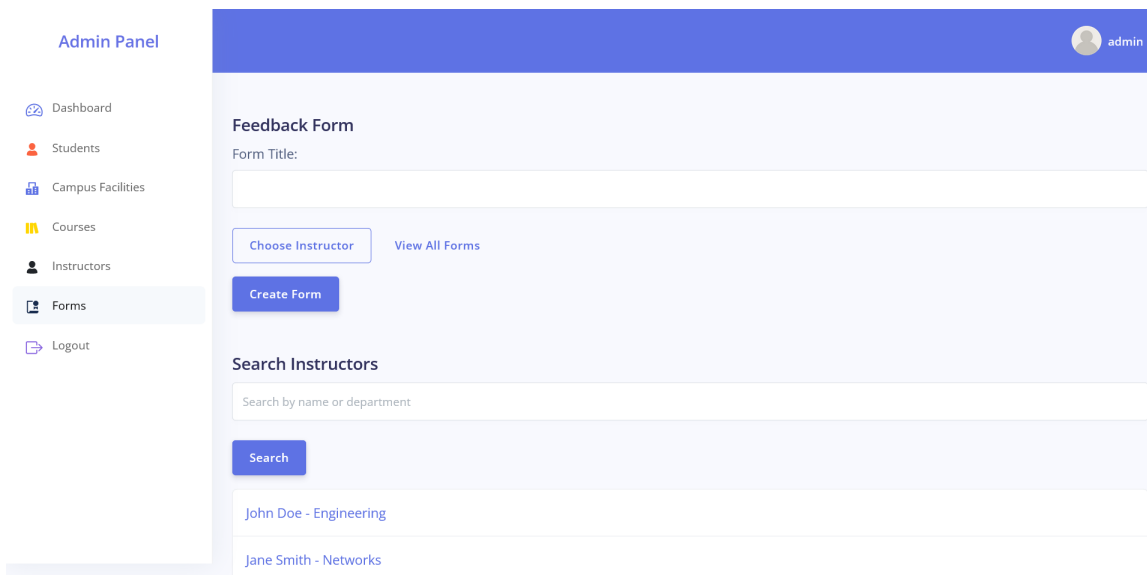Figure 3.2.2 Admin Dashboard
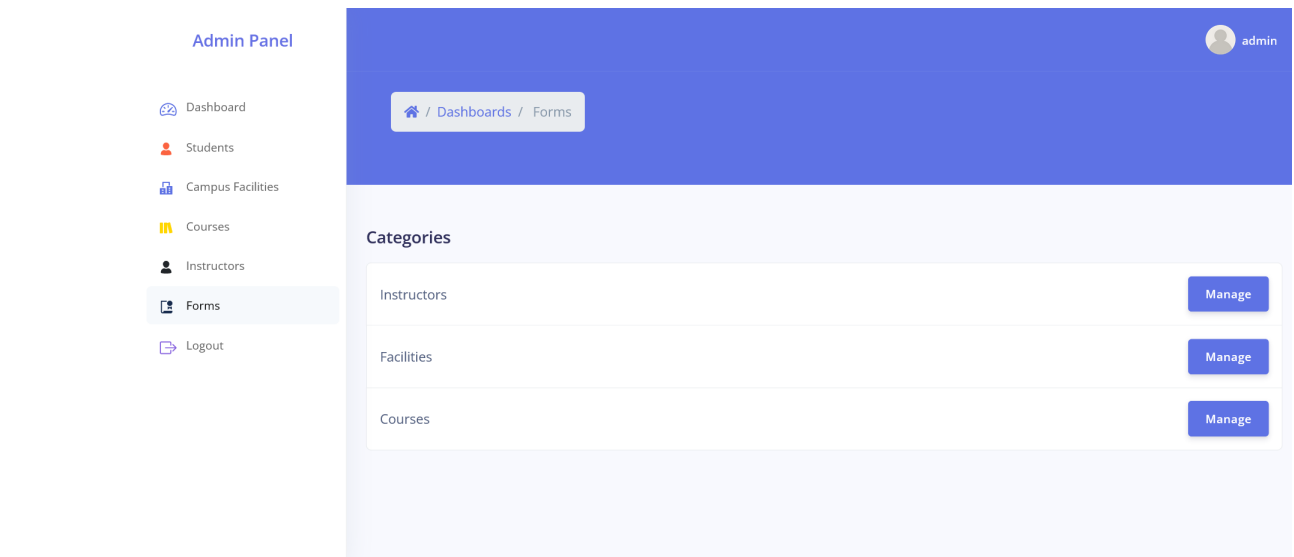
Figure 3.2.3 Admin Forms page

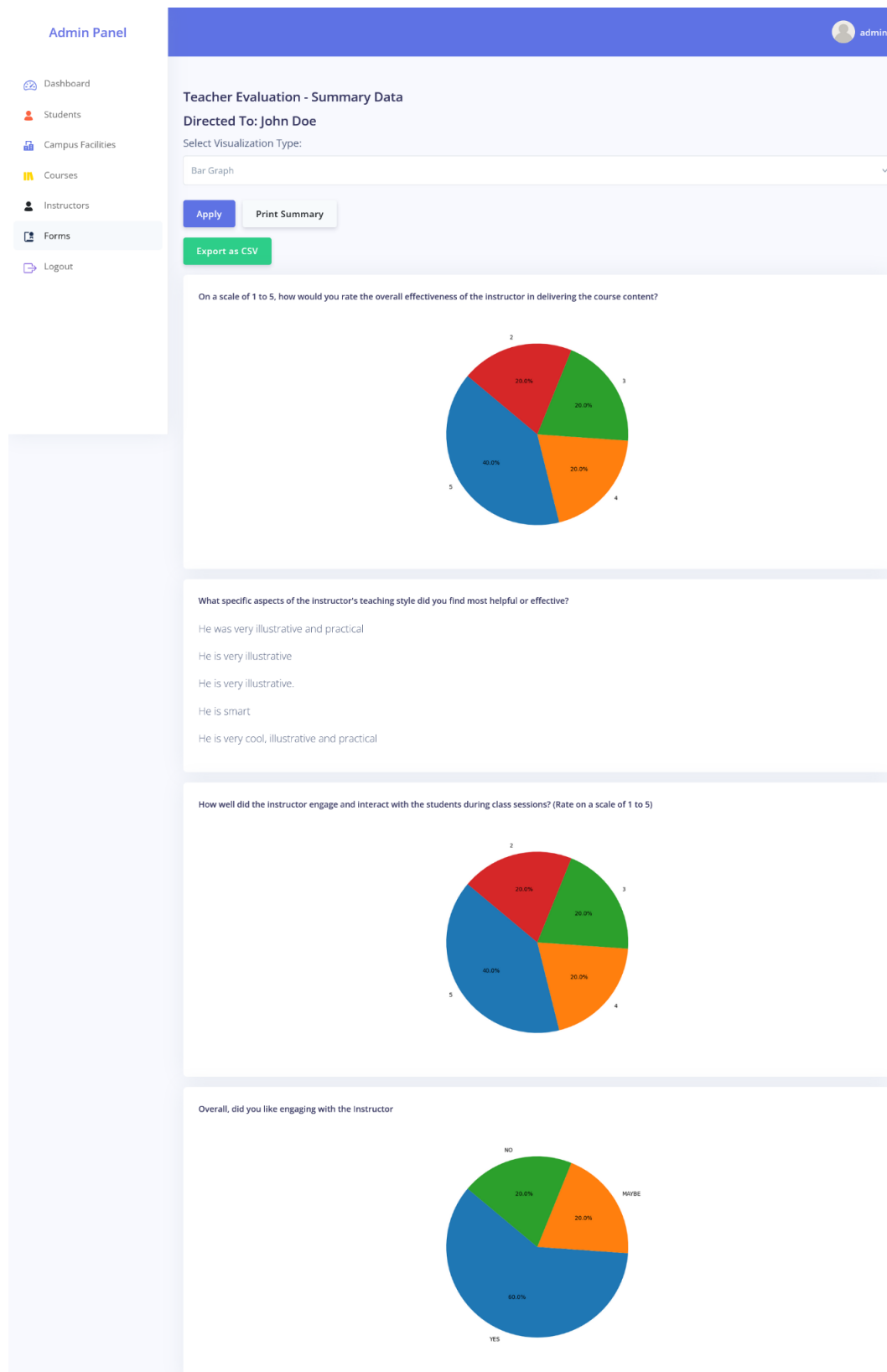Figure 3.2.4 Admin Manage forms page

Figure 3.2.5 Admin Creating Feedback form page

Figure 3.2.6 Forms Evaluations - Summary Data