KUDOS STATION

COMP306 Project Report

Kaan Türkmen,
Can Usluel,
Ömer Güler,
Irmak Erkol,
Kerem Aksoy

Koç University | Department of Computer Engineering

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Project Description

Kudos Station is a website for companies to show their appreciation to their employees. In Kudos Station, there are three mechanisms available: Kudosing the individuals, kudosing the teams and kudosing the projects. Furthermore, you can view each employee's profile, their team, and their current projects. Thus, with Kudos Station you can not only send individual Kudos' but also show your support to the teams and the projects!

In Kudos Station, to easily find whatever you are interested in, there is also a filter page where you can apply filters on Kudoses, employees, and projects. In addition, there is a scoreboard section where you can race with people. Furthermore, if you have an admin privileges there is an admin page that you can control each employee, project and their relation with them.

https://github.com/kudos-station

Entity – Relationship Diagram

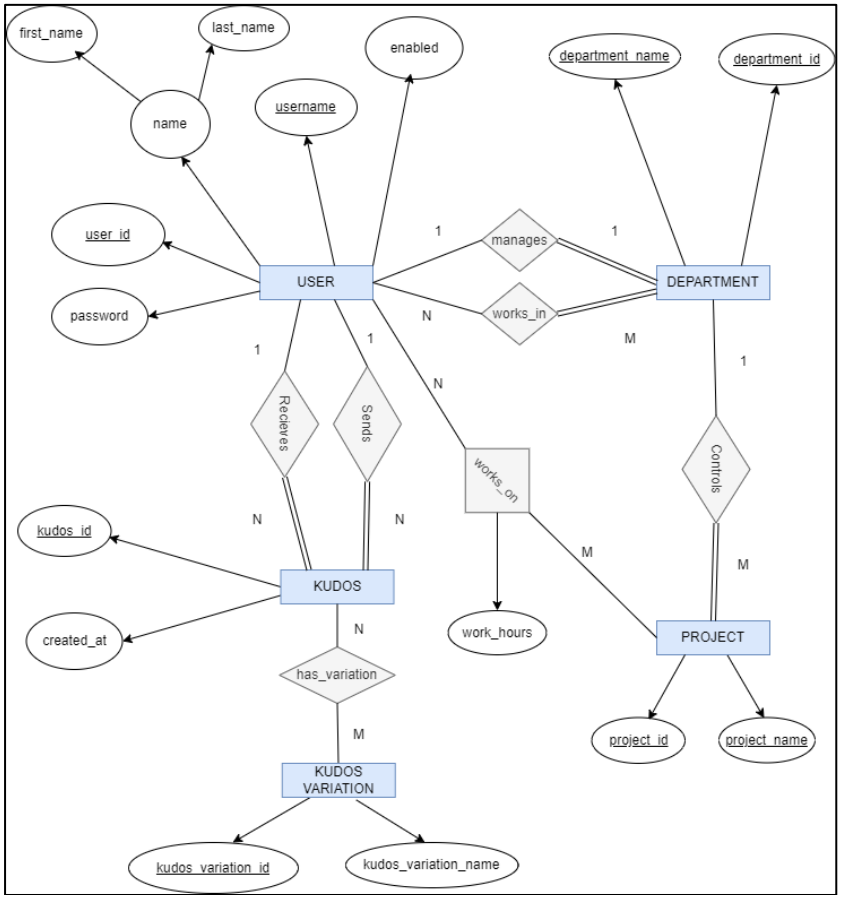

Figure 1. ER Diagram of Kudos Station.

Relational Database Design

Below you can find the creation commands we used while creating our tables,

https://gist.github.com/kaanturkmen/88b10eb818201f4fde62e0d014f4ba84

Data Sources

First, we have populated users table with Faker-JS, which is a library that helps you to generate fake data, include but not limited to first name and last name. Then, we have created projects and departments manually, and assigned these generated people into data using id indexing. In our relational database, we have total of 150 employees, 10 department and 12 projects.

Second, we have a threading job running on the backend, and it generates Kudoses by randomly choosing two person and a random kudos variation every 15 minutes. Thus, right now we have ~210 kudos, but it is still counting.

Complex SQL Queries

Below you can find the 5 complex queries and their purpose of execution below,

https://gist.github.com/kaanturkmen/13473a49c6f8eaca3cadd3d4d8298151

Kudos Station has a filter page, and these queries are being used to filter some of the Kudoses to make an easier navigation.

Using Kudos Station

Kudos Station is now running on the EC2 instance, you can access its frontend using the below link,

http://ec2-54-165-199-139.compute-1.amazonaws.com:3000

COMP306 Instructor and TAs are already registered to the Kudos Station, you can login using your name as a username and password. (i.e., emre - emre)

Furthermore, for available backend endpoints, you can login with the same authentication to the below link,

http://ec2-54-165-199-139.compute-1.amazonaws.com/admin/swagger-ui.html

Screenshots

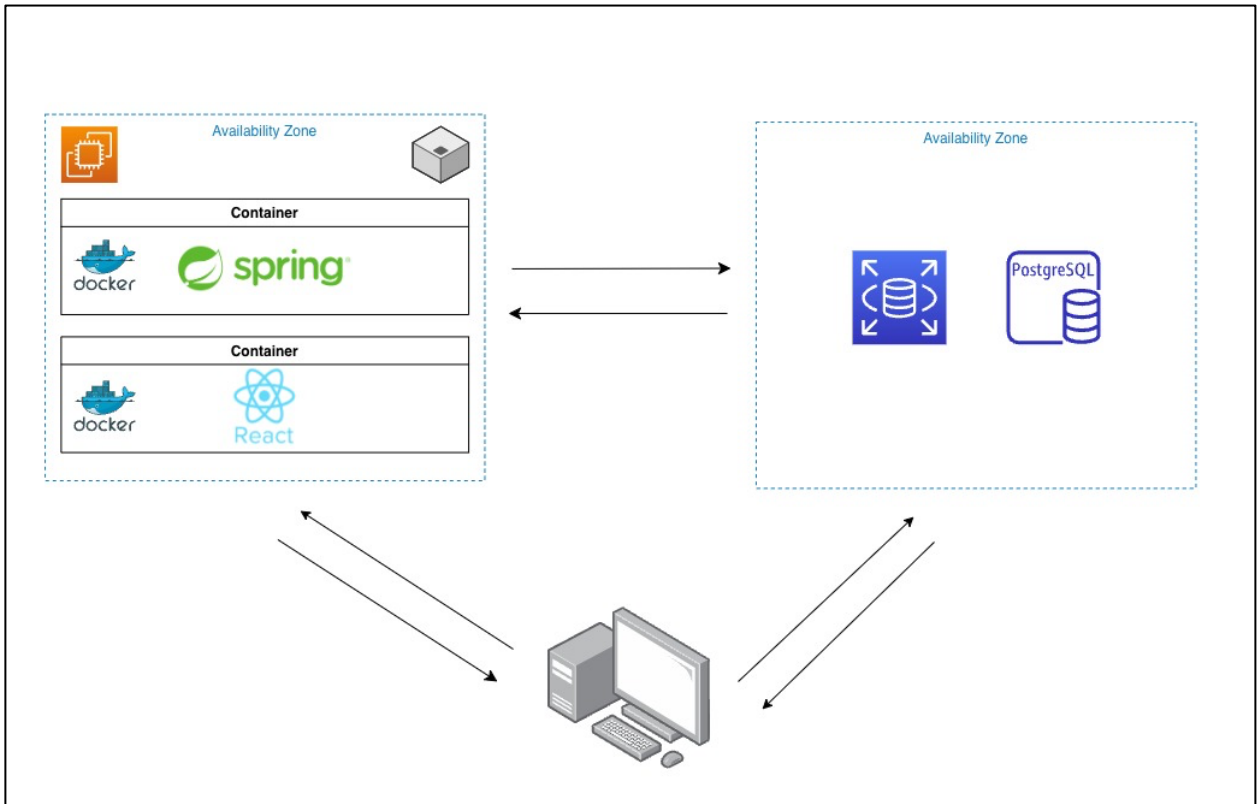

Figure 2. Architecture of Kudos Station.

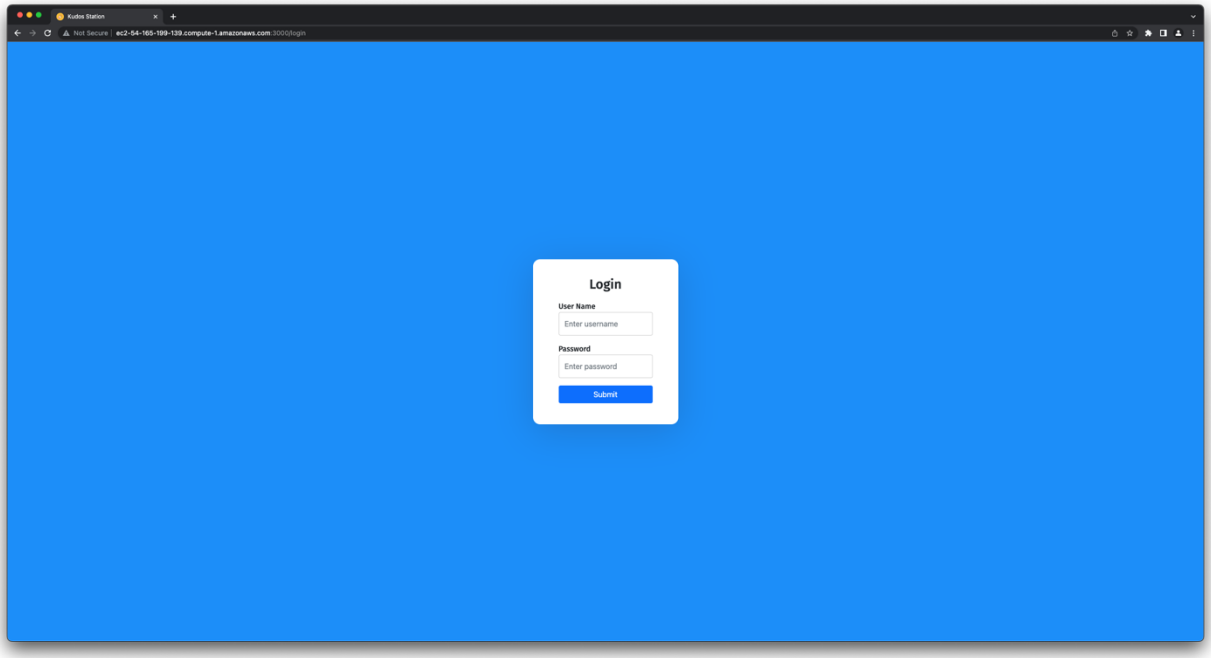

Figure 3. Login Screen of Kudos Station.

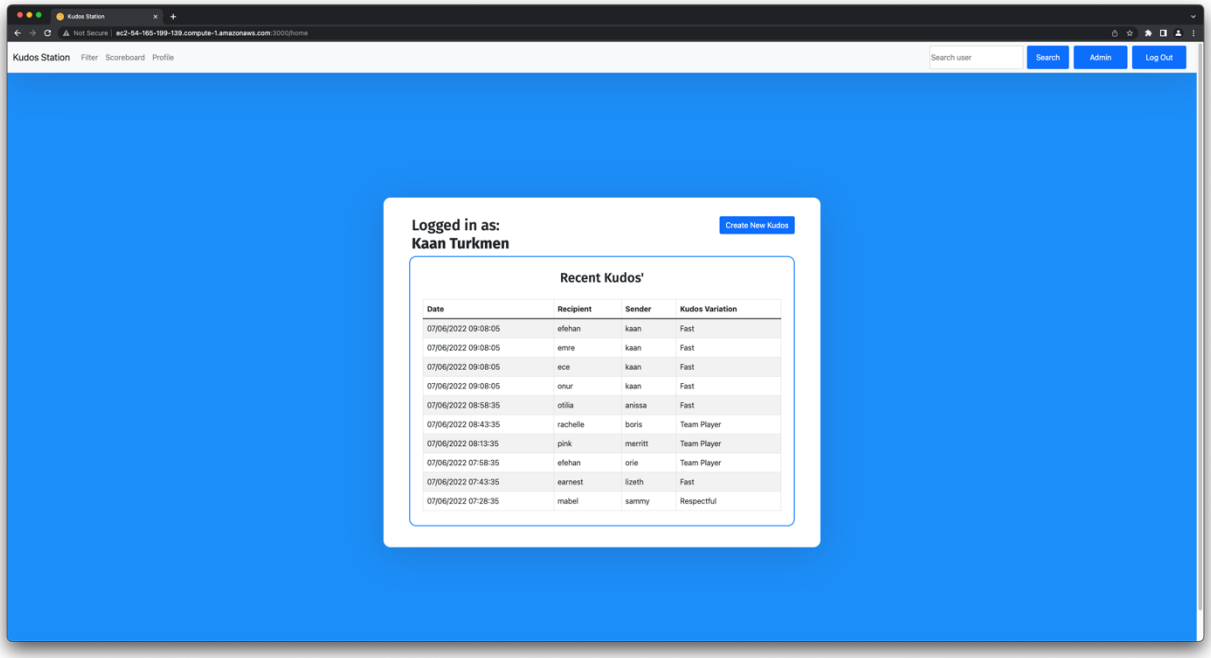

Figure 4. Home Page of Kudos Station.

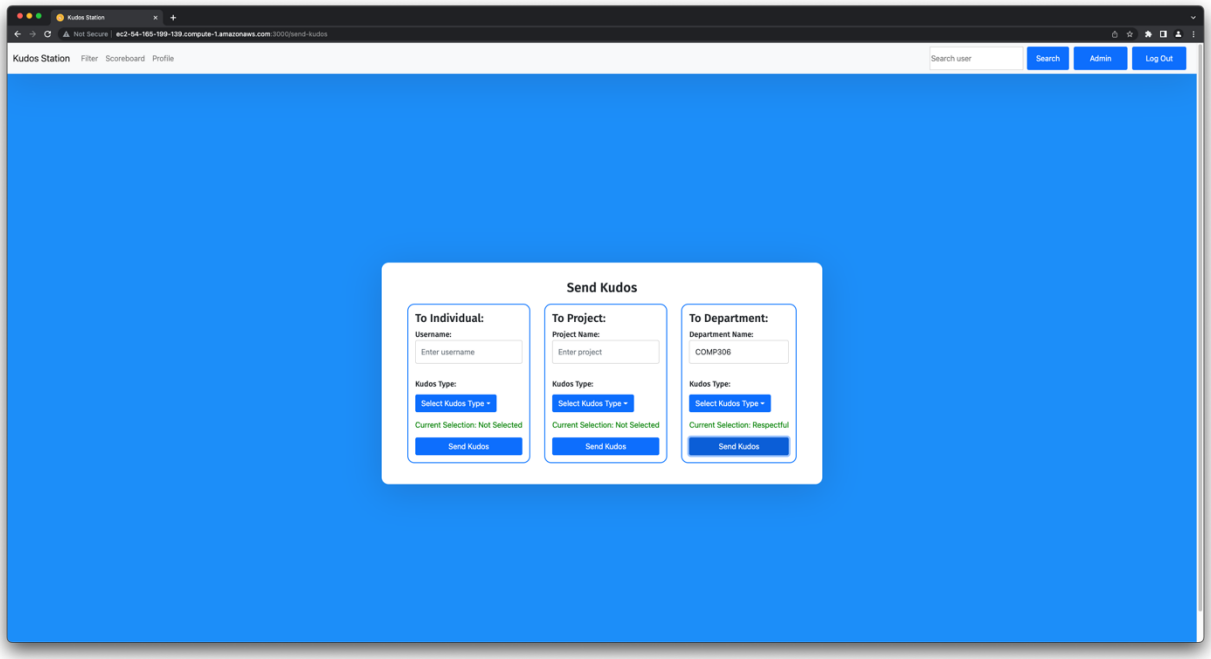

Figure 5. Sending Kudos Screen of Kudos Station.

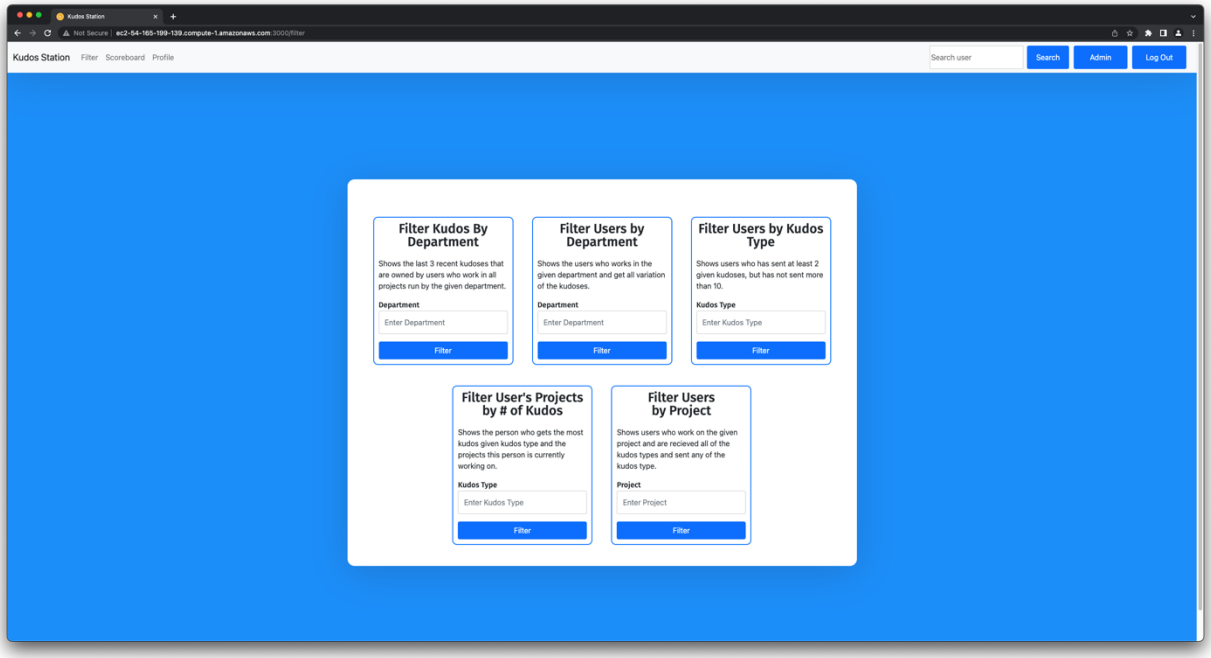

Figure 6. Filter Screen of Kudos Station.

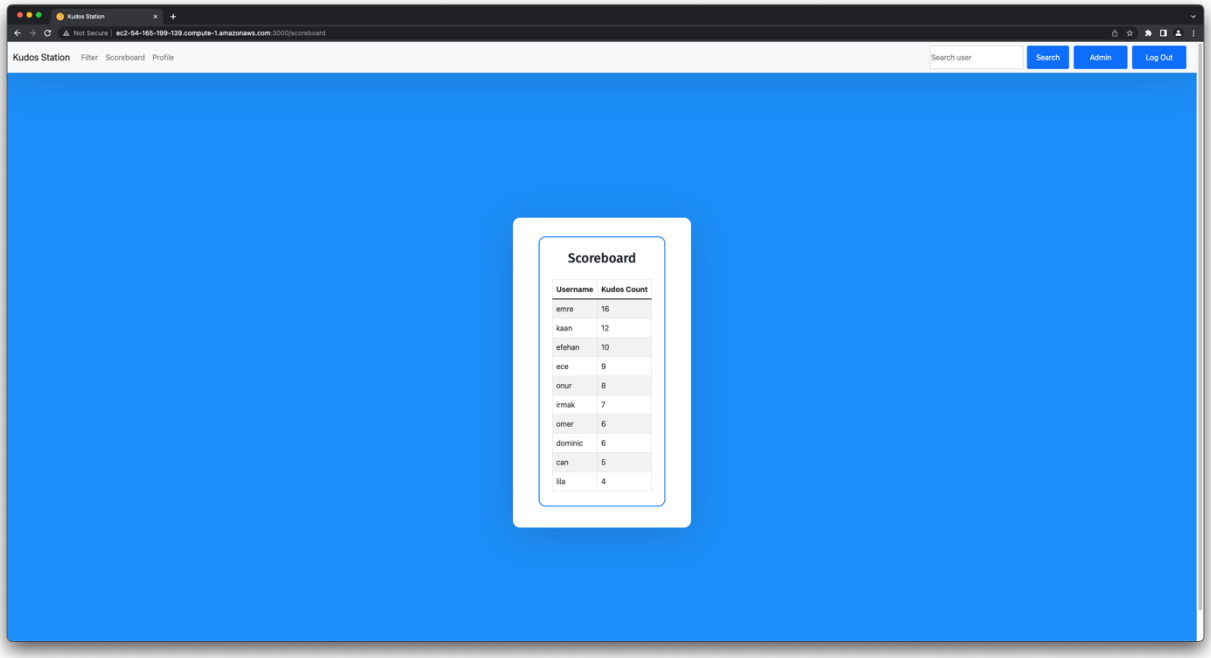

Figure 7. Scoreboard of Kudos Station.

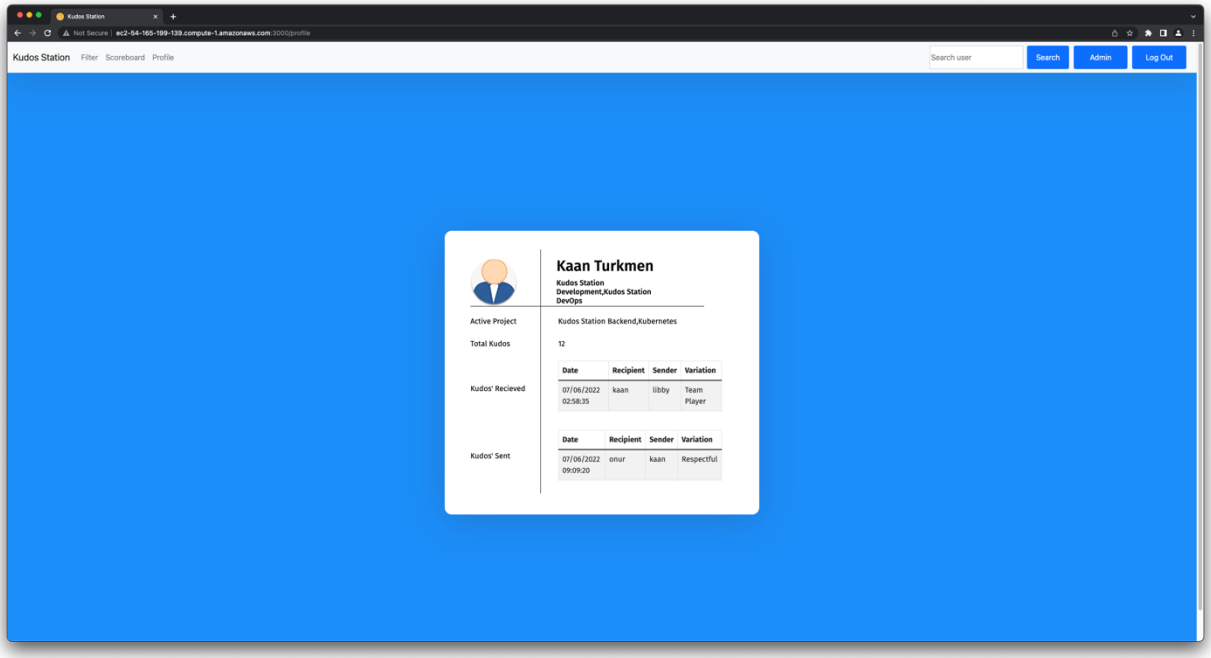

Figure 8. Profile View of Kudos Station.

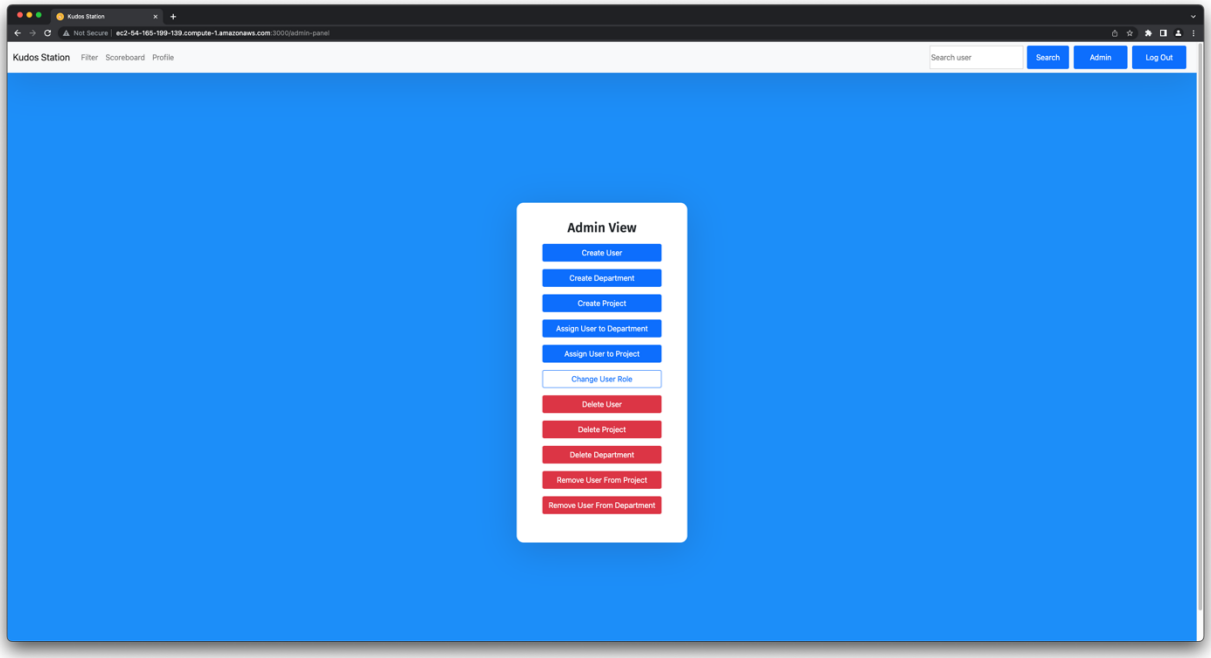

Figure 9. Admin View of Kudos Station.