

Design Document
Teacher Student Resource
Platform(TSRP)

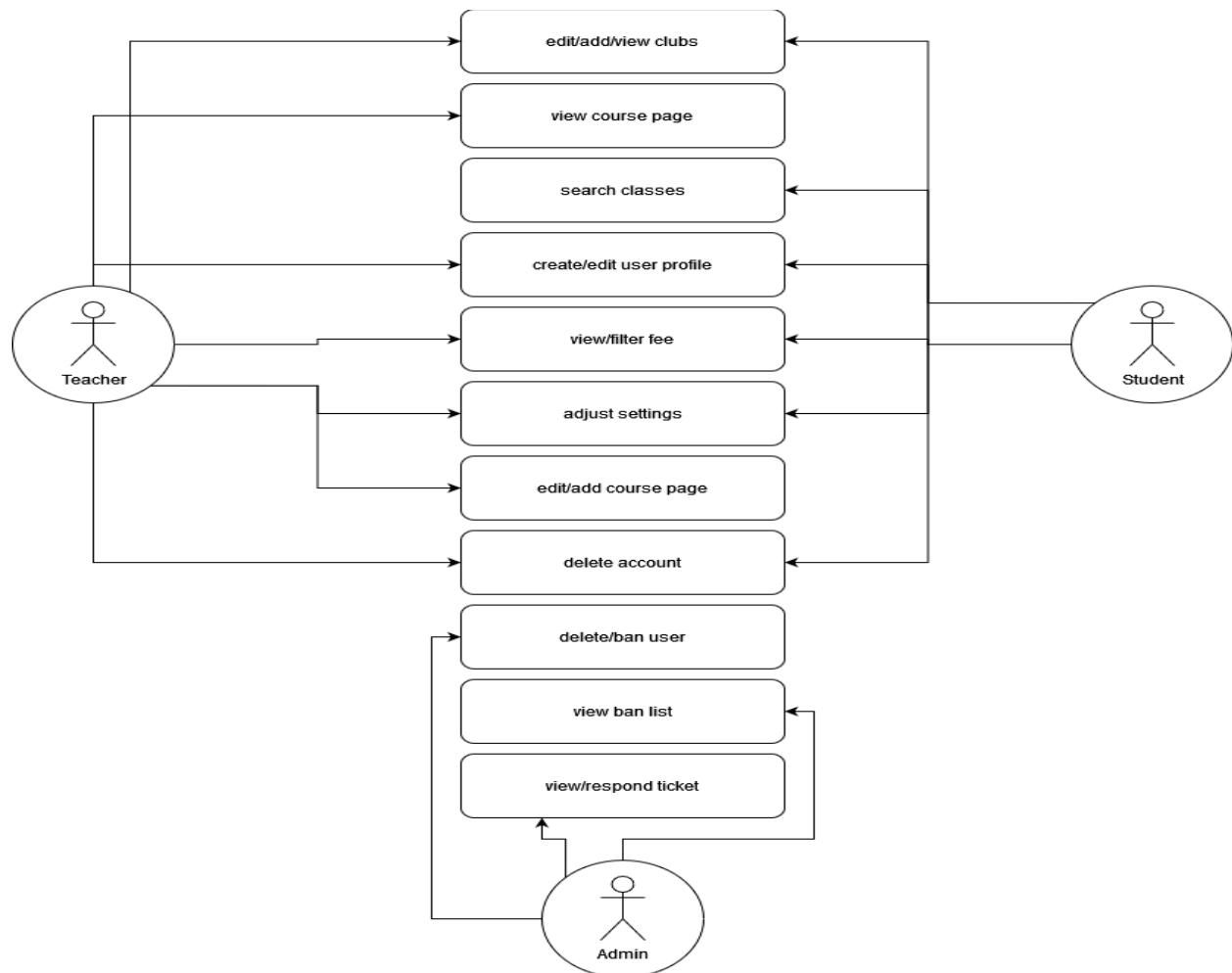
10/30/2024

Version 1

1. Overview:

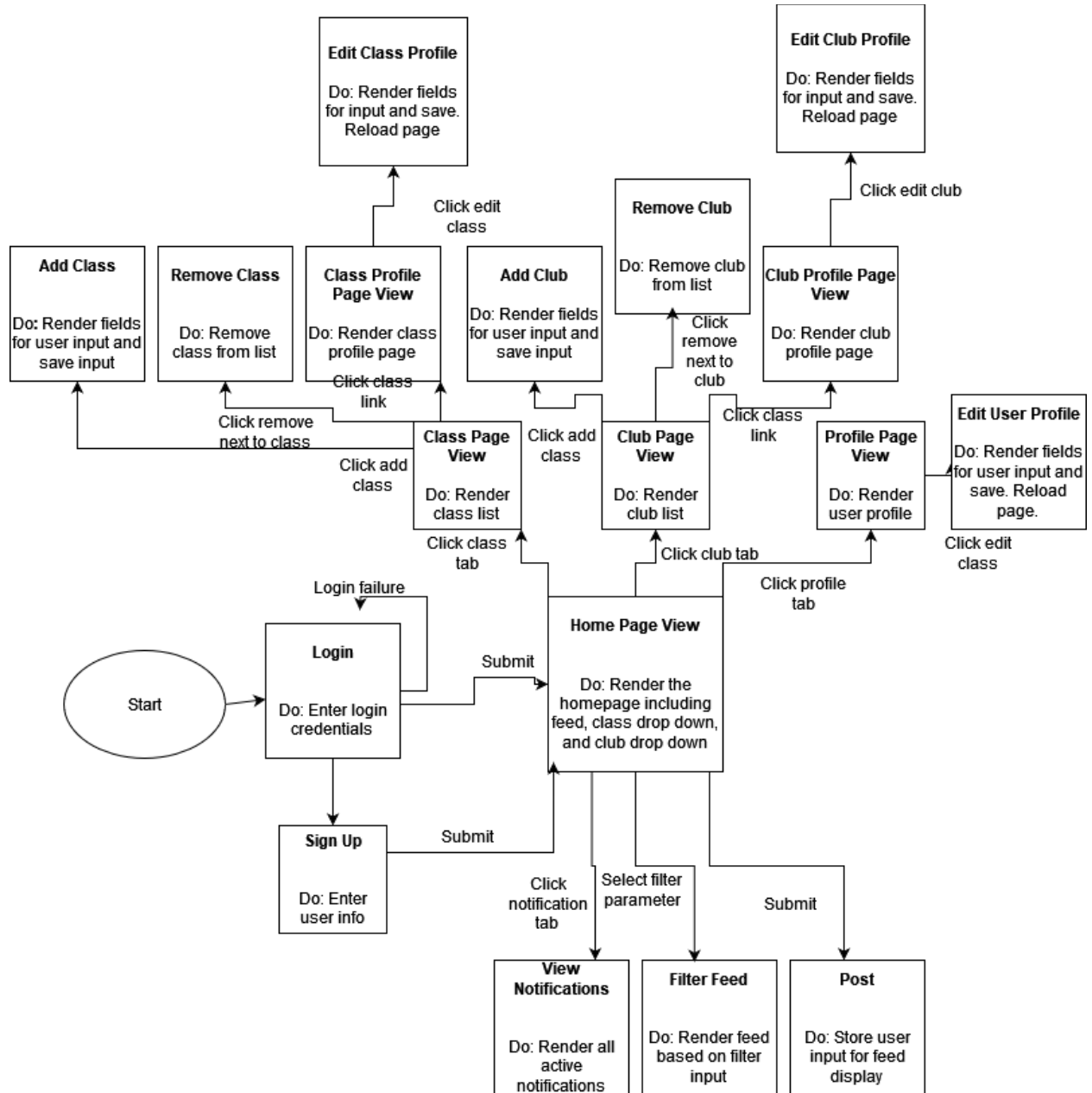
The goal of the Teacher/Student Resource Platform, or TSRP, is to provide a social space for students and faculty to share both helpful resources such as materials, links, etc. Both users will also be able to share their own educational backgrounds depending on the user endpoint i.e. listing info such as their school associations, majors, or interests for student users or displaying information for inquiring students such as offered classes, class resources, or campus associations for teacher users. The platform itself consists of a landing page that contains a feed, profile tab, classes tab, and clubs tab with functions differing depending on the previously discussed user needs.

2. Use-Case Model

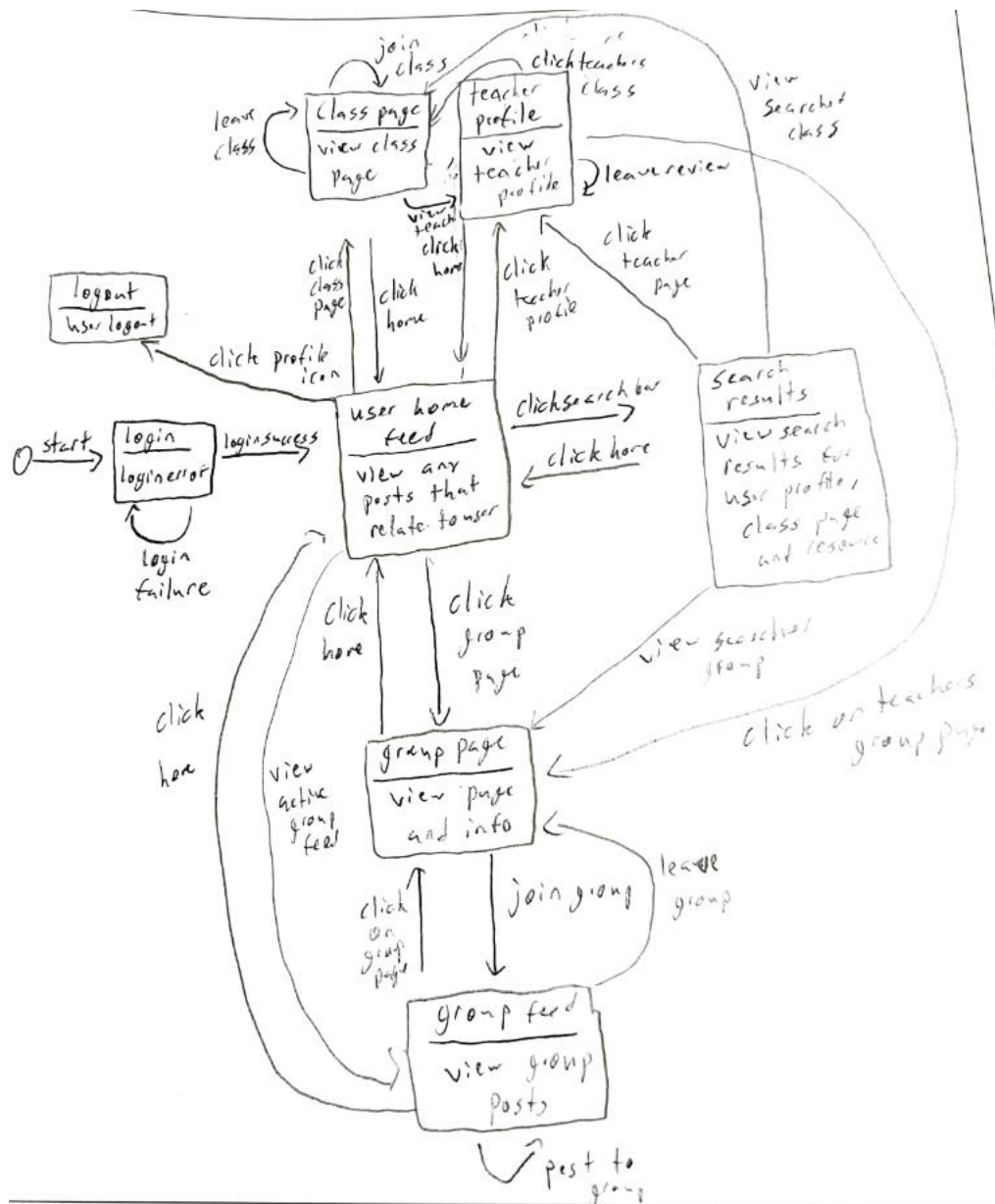


3. State Machine Diagram

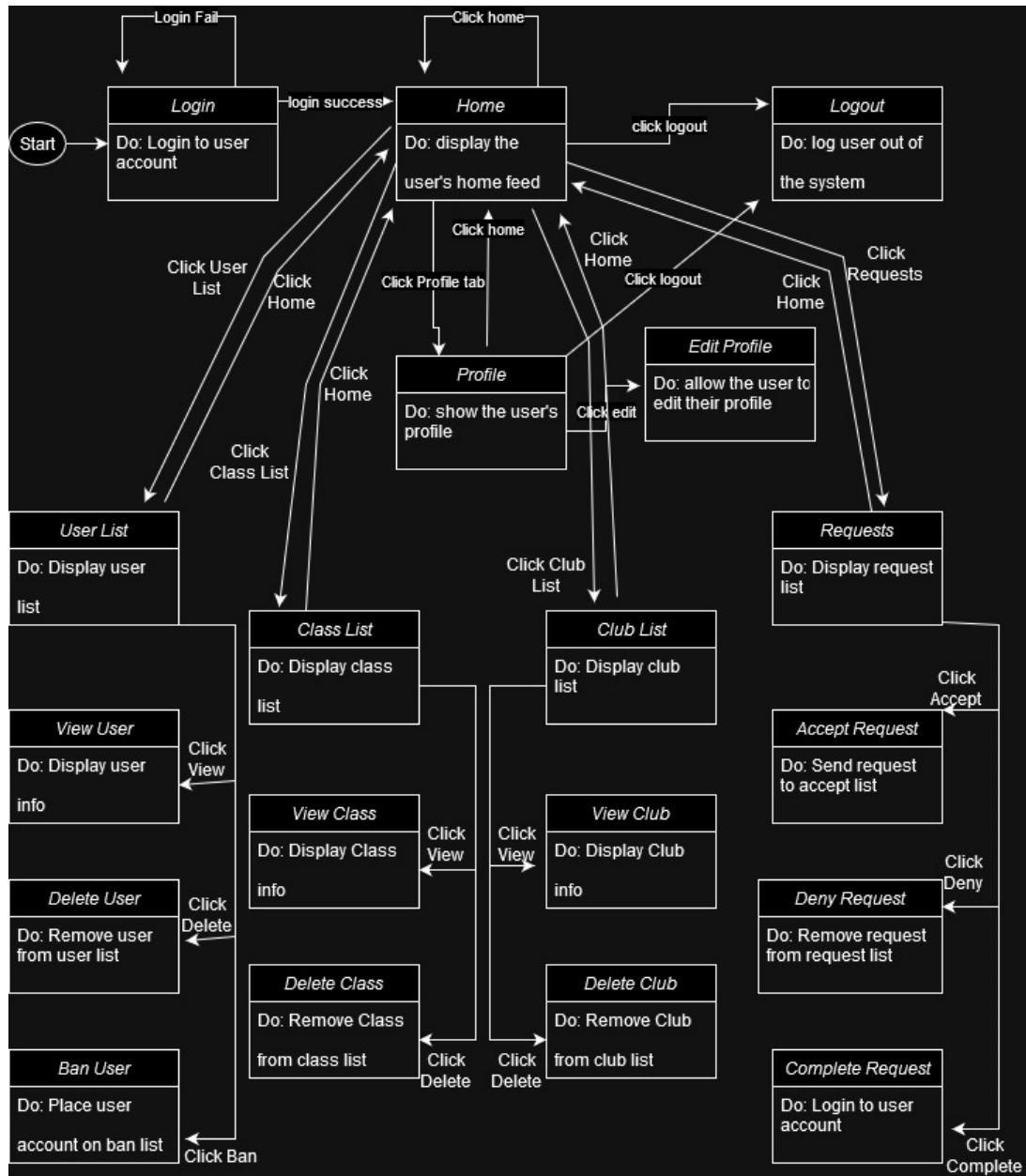
a. User – Professor Robert (William Sanders)



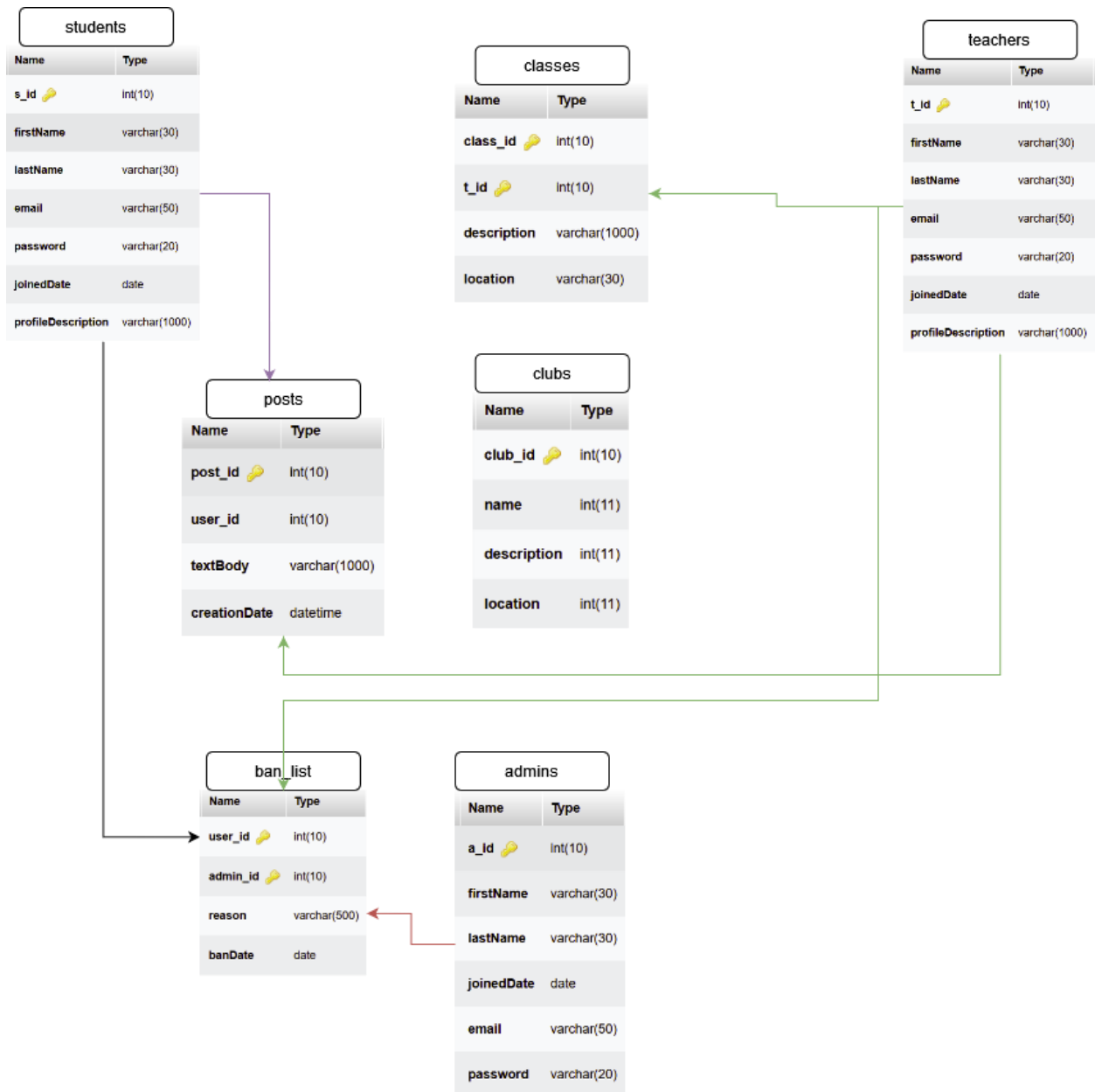
b. User – Freshman Janet (Jason Isler)



c. User – Admin Jared (Matthew Davis)



4. Database Schema (William Sanders)



5. Software Architecture – MVC (William Sanderes)

