# Student Result Management System

# GROUP - 1


# SRM University AP

**Department of Computer Science And Engineering.**
**Software Engineering Project Report on**

**“Student Result Management System”**

M. R. M. Sita Rama Reddy AP19110010363

M. Chandrahas AP19110010536

B. Sridhar AP19110010447

CSE – F

## Table of contents:

## 1. Abstract

The major goal of this project is to create a software that displays results to students in a clean and efficient way. Students can use their Username (Registration Number) and Password to log into the website. The result is provided with individual scores and the comparable percentage after reviewing the result status and applying the University's standard computation. The system is designed for students and teachers, as well as administrators. The student can access their results by logging in using their login ID and password. Web development technologies such as HTML, CSS, PHP and database Maria DB, can be used to accomplish this. The instructor can view the students total performance in the examinations by subject.

## 2. Introduction

The Student Result Management System (SRMS) is a web-based tool that primarily focuses on delivering results to students and faculty. The students view and verify their subject-wise marks for that academic year using their institution-registered recognition ids. It is more convenient for students to retrieve their results through the institute website, and it is easier for faculty to analyze the pass and fail rates of a particular subject. Student, Faculty, and Administrator are the three modules that make up the system. The student can view his/her results by entering his roll number, and the faculty can view the analysis of pass and failure counts in the selected subject by entering subject code and class[1]

## 3. Literature review

This includes controlling the product in such a way that you can review it whenever you want. As a result, having a computer-based ICS that can generate progress reports and offer information about the organization's transactions is essential. Before designing this application, we created the Student result management system that is currently accessible to the student and teachers with admins. We designed a similar full stack project for different purposes.[2] The Primary data are data acquired or developed by the researcher for the project's immediate needs. He can set up a timetable and visit with a representative group of teachers to solicit input. This is the major data that will be collected for the purposes of this study[4].

## 4. System Requirements

HARDWARE REQUIREMENTS:

- Intel Core i3 2.5GHz processor
- 4 GB RAM
- Display: 1280x768 or greater screen resolution.
- GPU: Intel HD Graphics 4000 / Nvidia GeForce 710 / AMD Radeon HD 6450 or better.
- A connection speed of at least 250 kbps is required.

REQUIREMENTS FOR SOFTWARE:

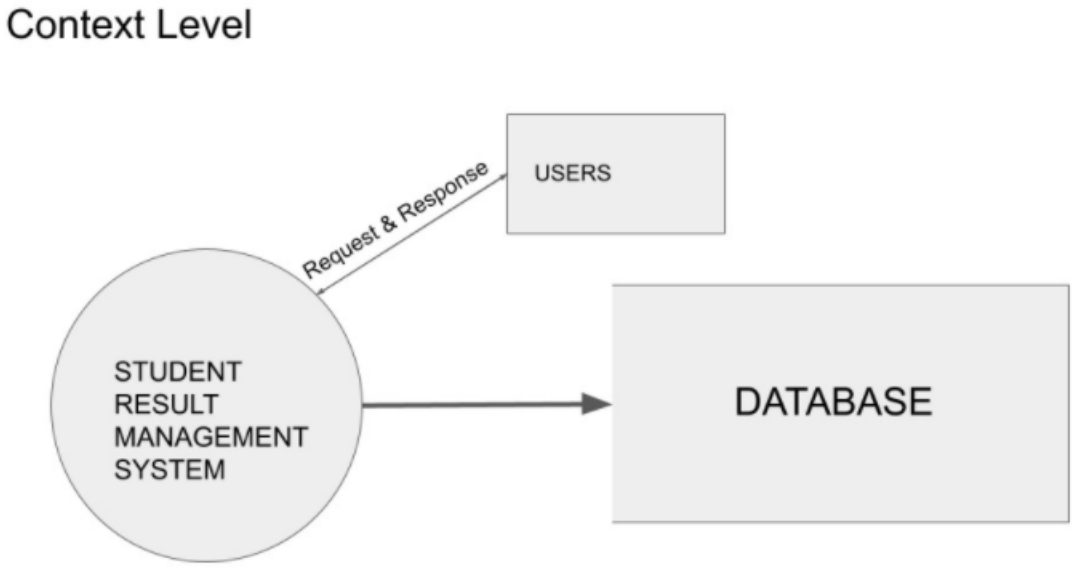
- Windows 8 and later are supported (64 bit)
- Browser and MySQL versions minimum level -11 are up to date.

## 5. Proposed scheme

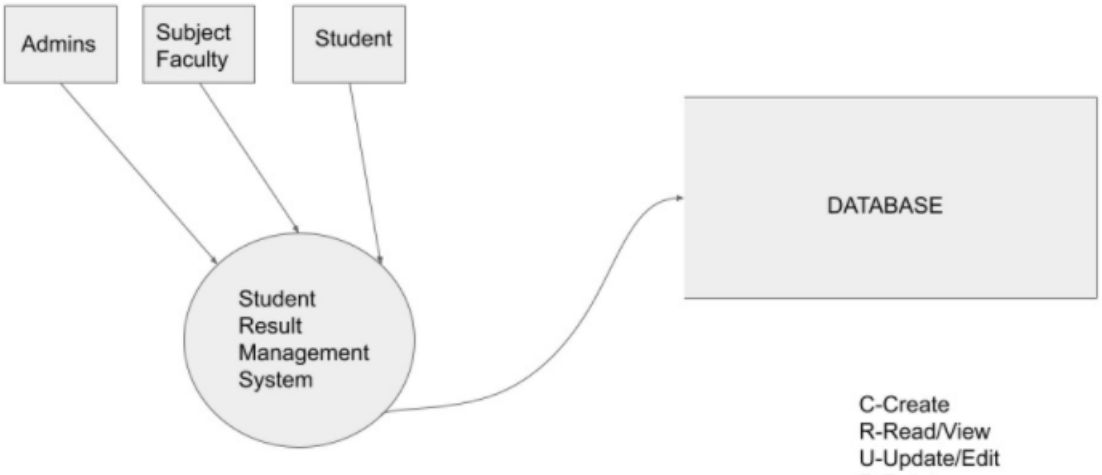
Student result management is one of the institute's most difficult issues. If no automated system is available, a lot of paperwork will be generated. It is conceivable to construct such a system, but much groundwork must first be completed, including identifying requirements, the system architectural decisions, and software requirements. After acquiring all of the needs and information, we move on to the next essential stage of the project. If the decision is disorganized, early rearrangement and programming of the algorithms may be required. There are three main jobs in our project[4]. The categories are Users, Suppliers, and Admin. The User role is introduced with only two key activities.
User-1: Students can directly check their results
User-2: Instructors can access the student's results and can change them.
Admin has privileges to create and manage users and subjects[2].

## 6. Results/Screenshots

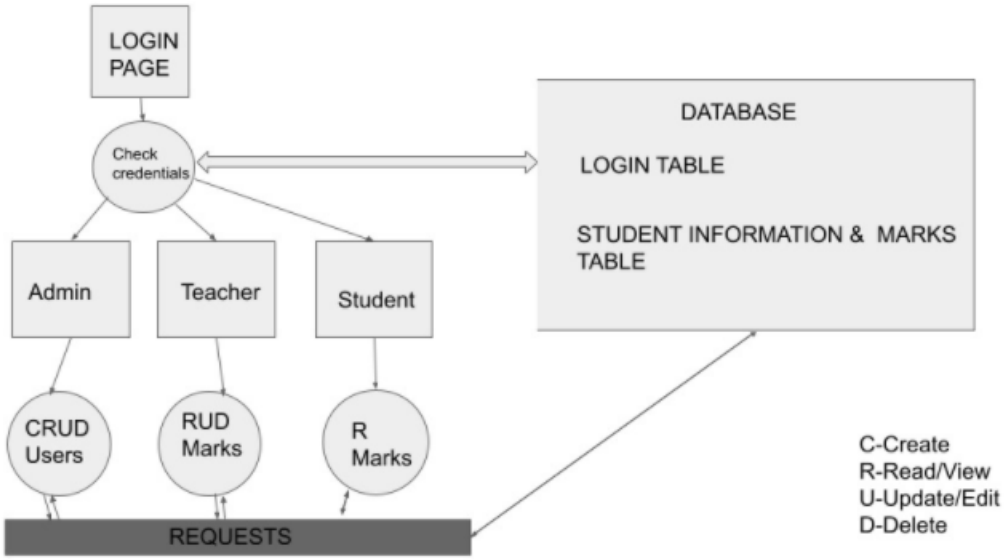
❖ **DFD**:



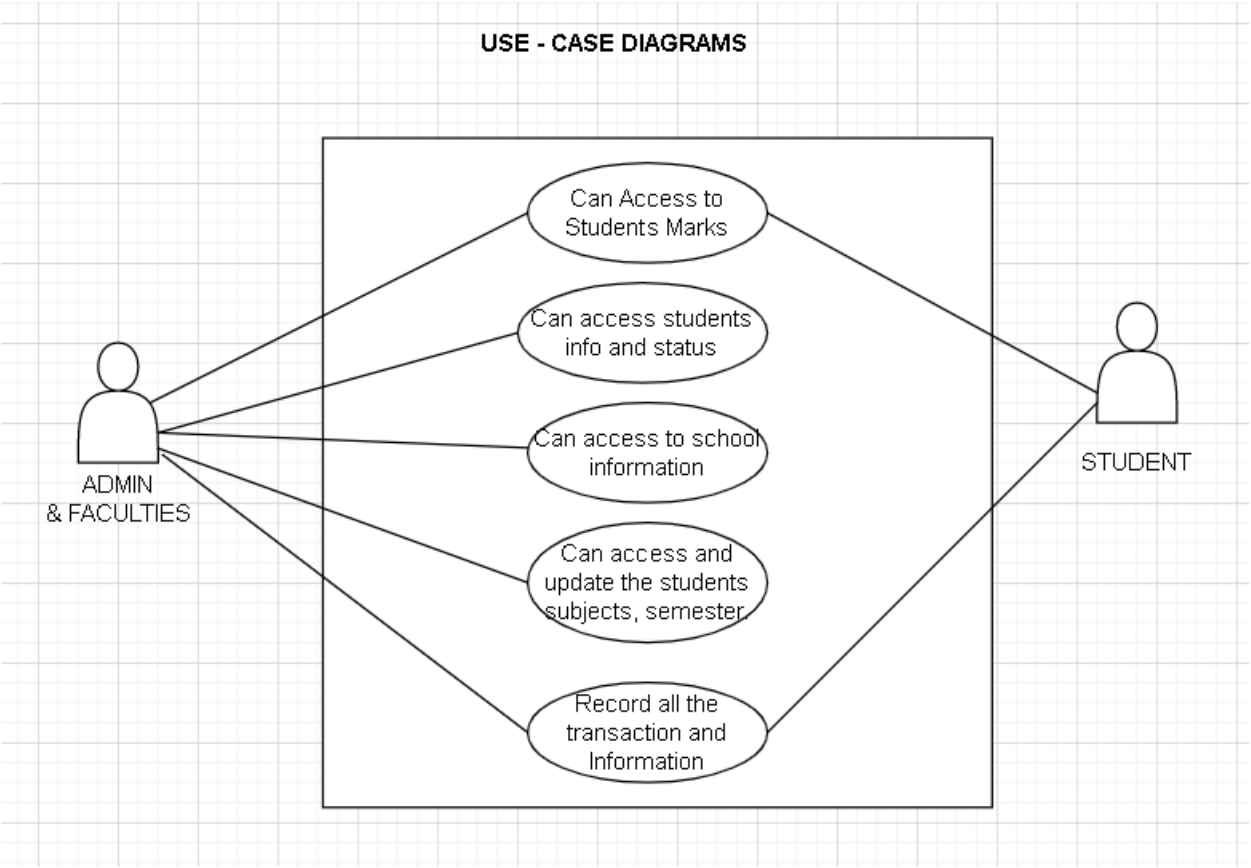
# LEVEL 0 DFD



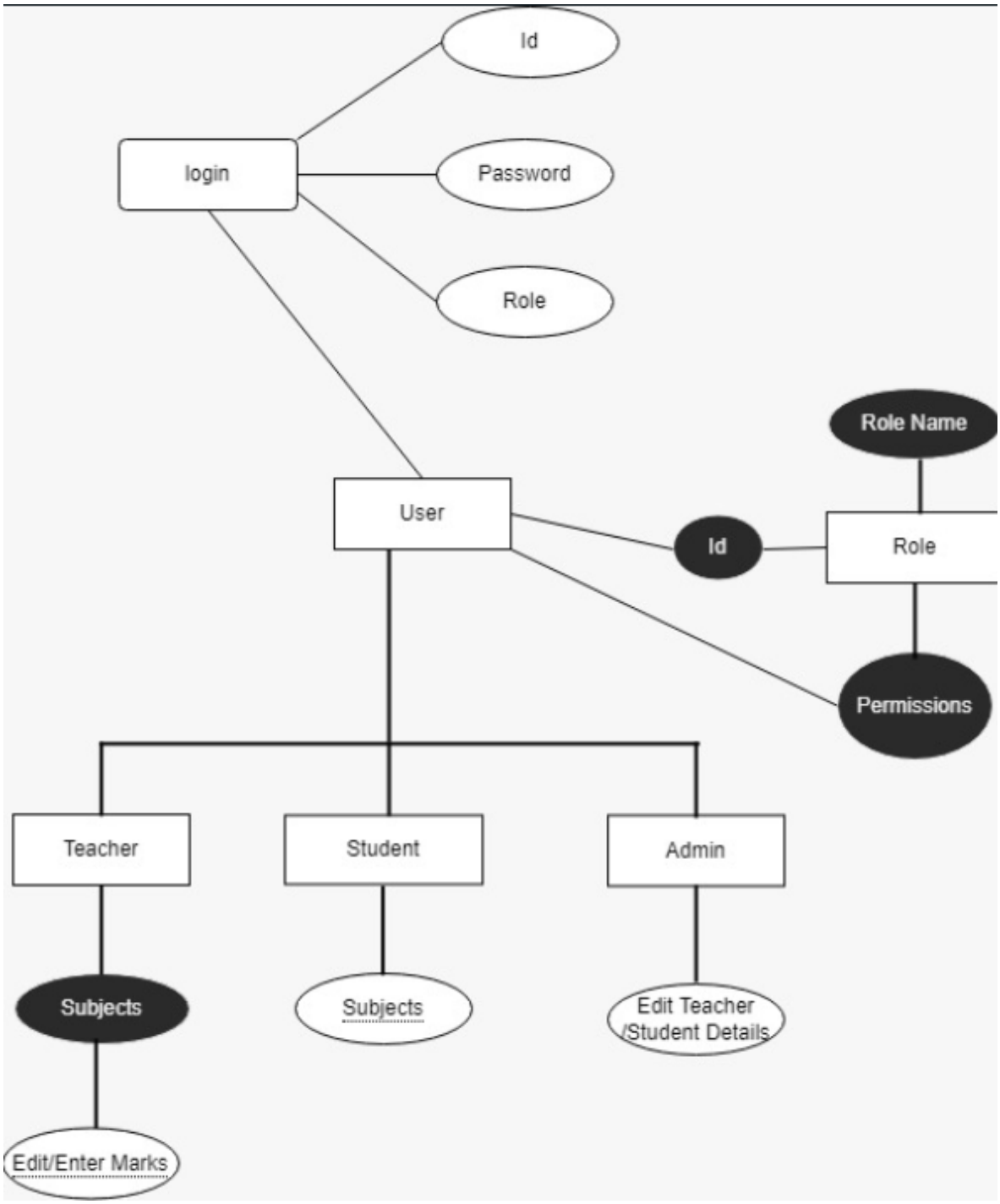

**LEVEL 1 DFD**



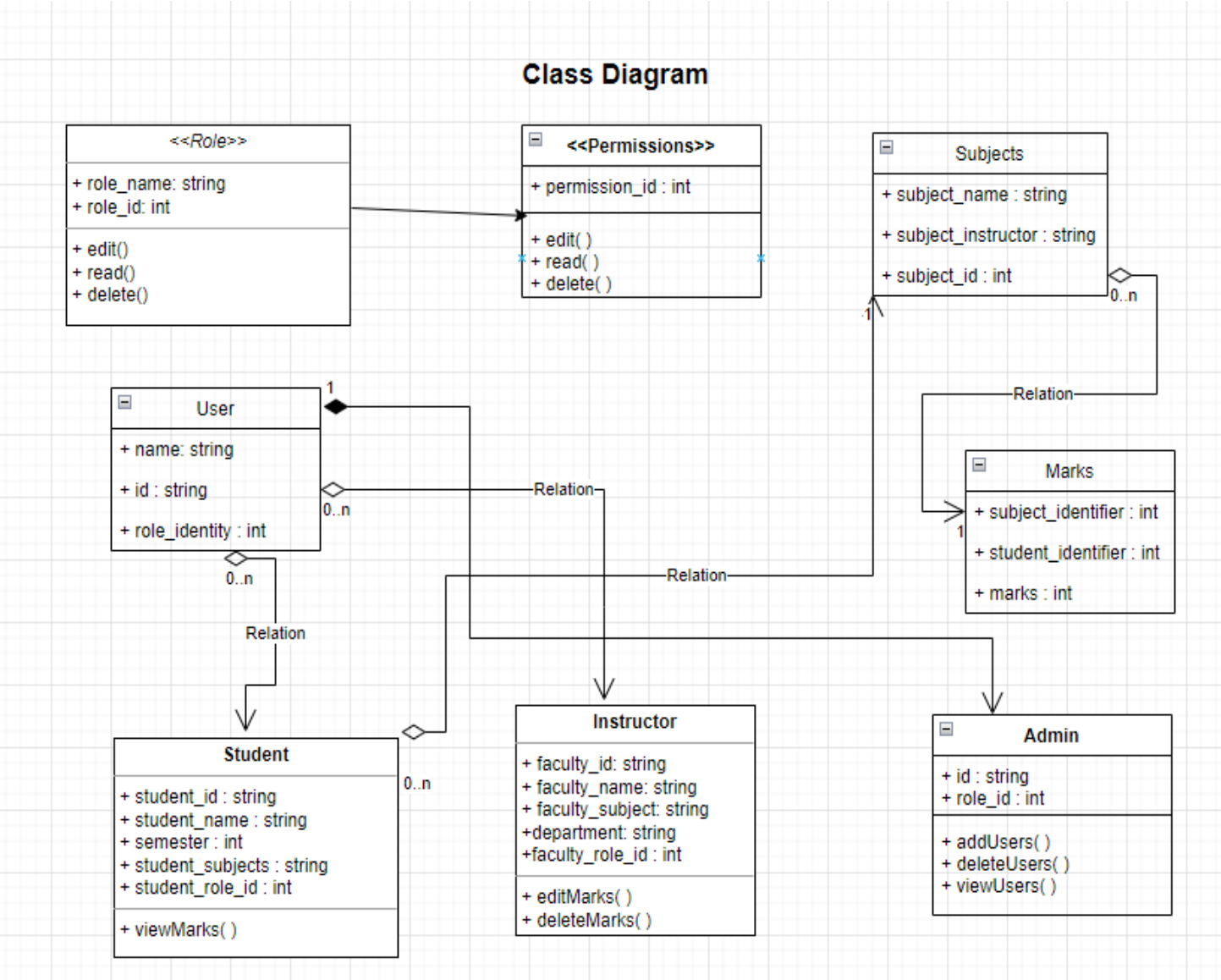
## ❖ Use Case Diagram:



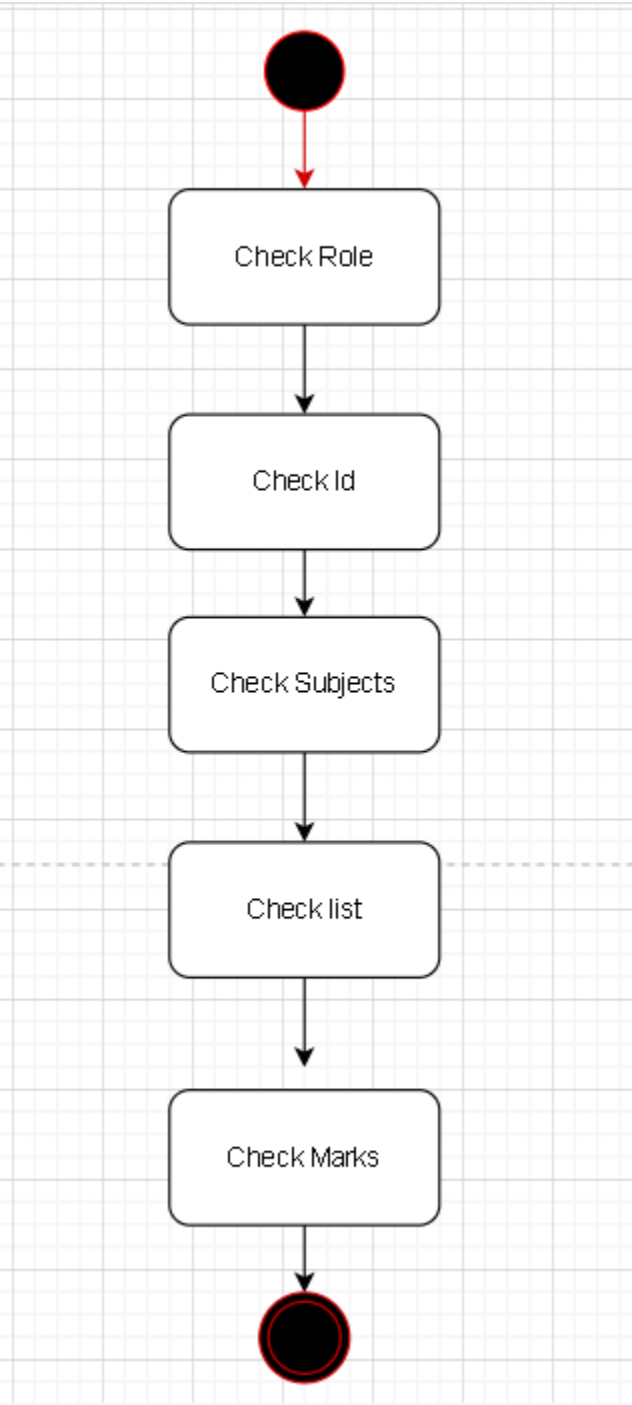
❖ **E-R Diagram:**


Id
login
Password
Role
Role Name
User
Id
Role
Permissions
Teacher
Student
Admin
Subjects
Subjects
Edit Teacher /Student Details
Edit/Enter Marks

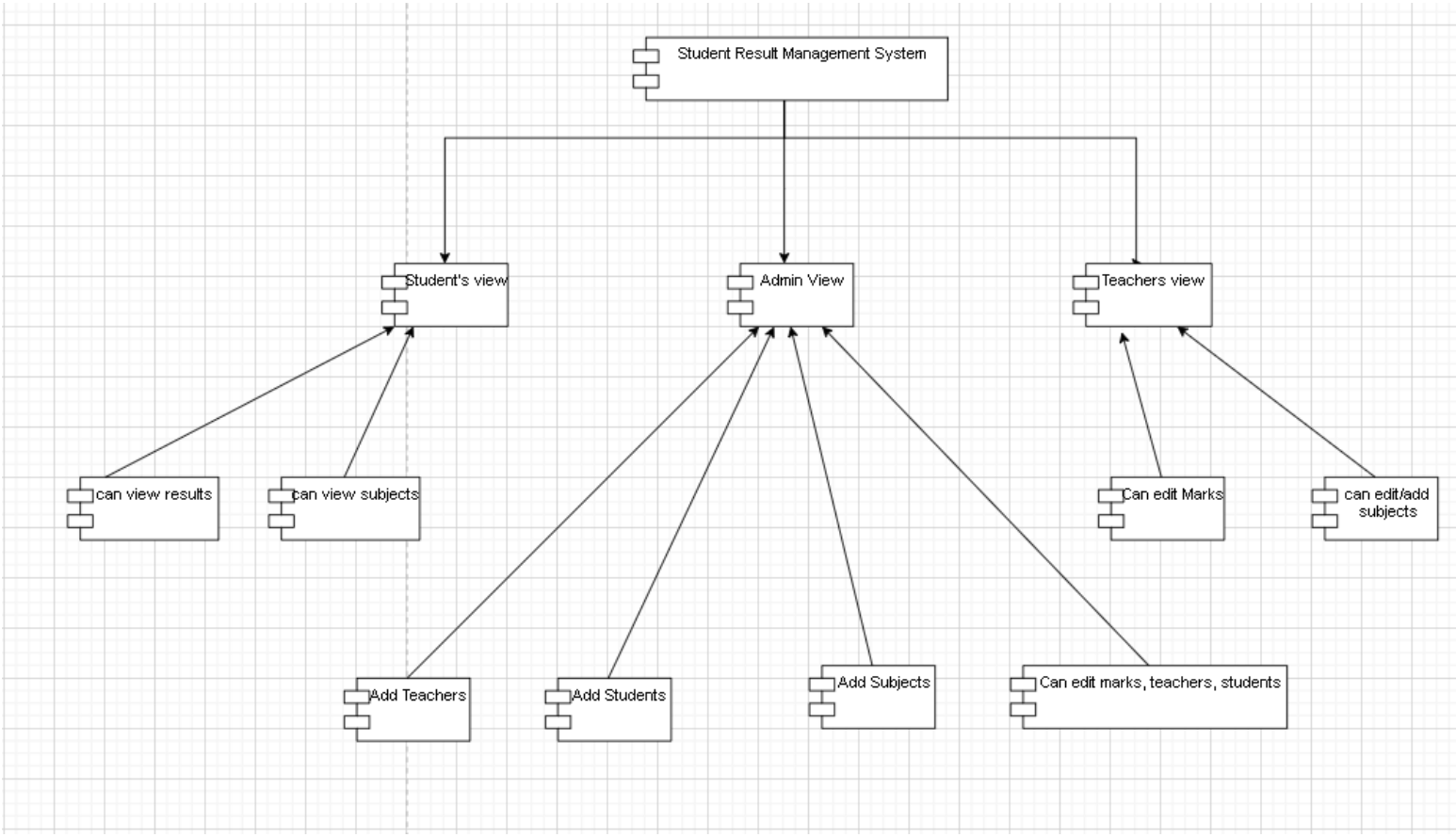
## ❖ Class Diagram:



❖ **State chart Diagram:**

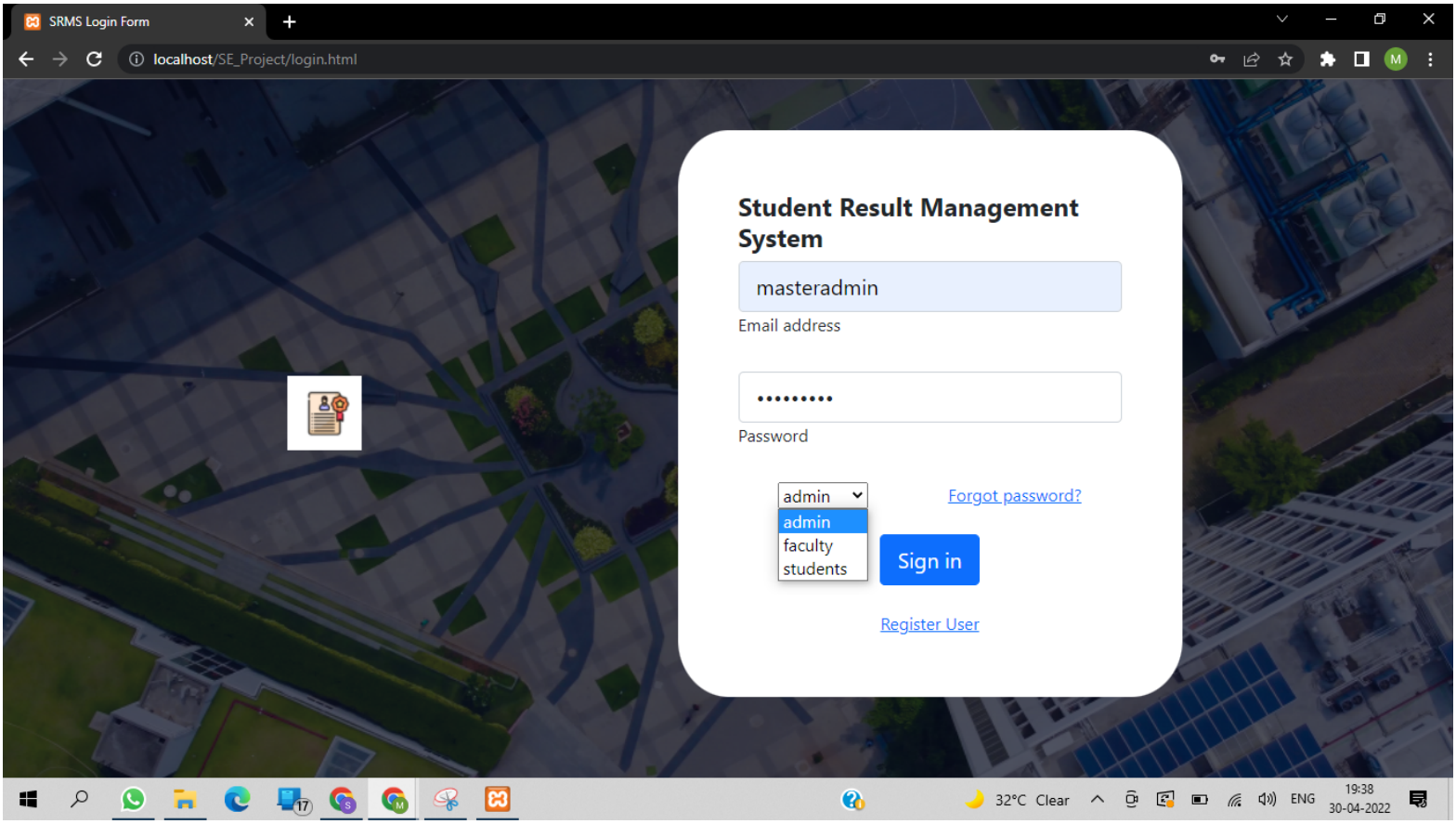


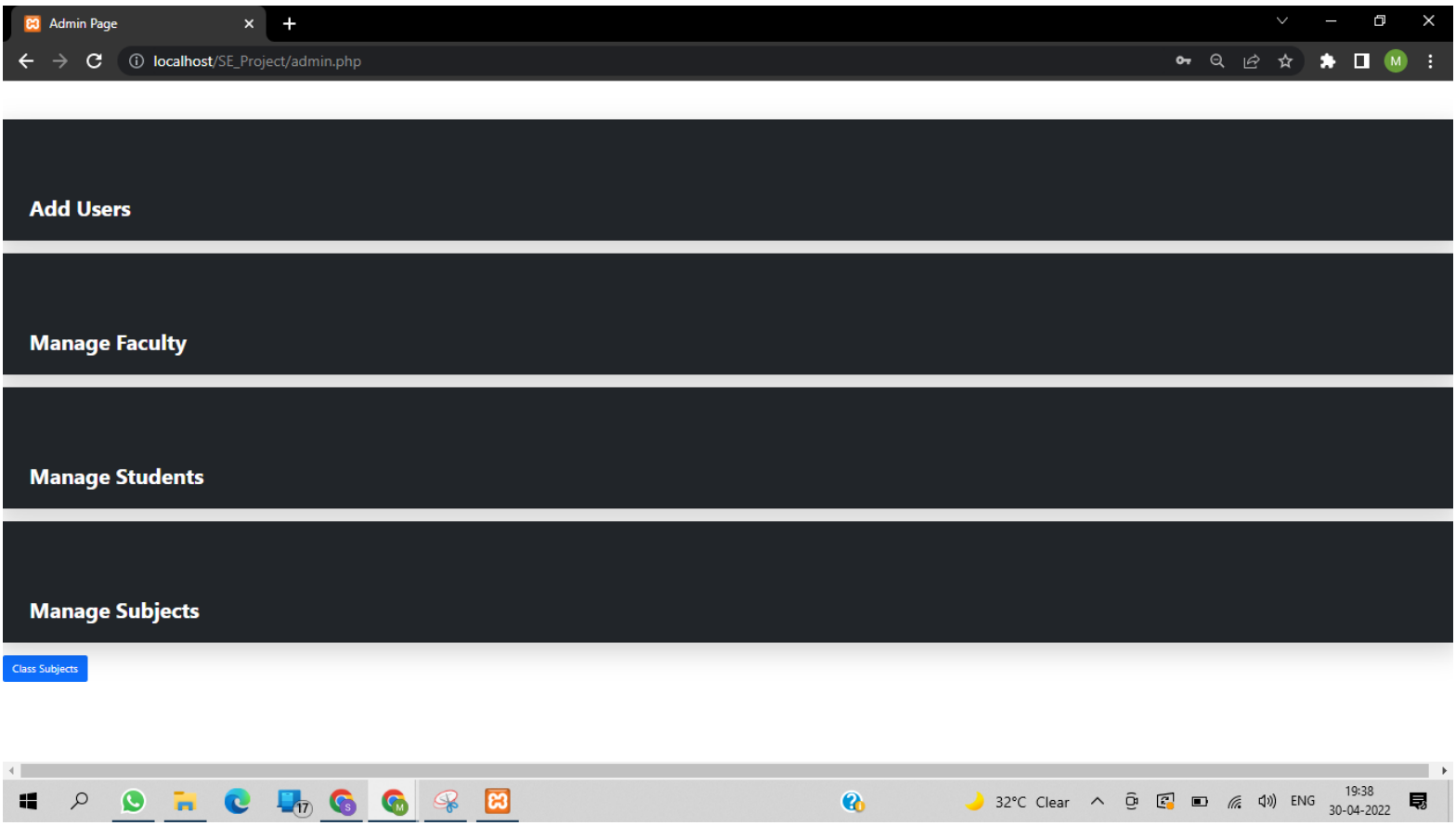
## ❖ Component Diagram:

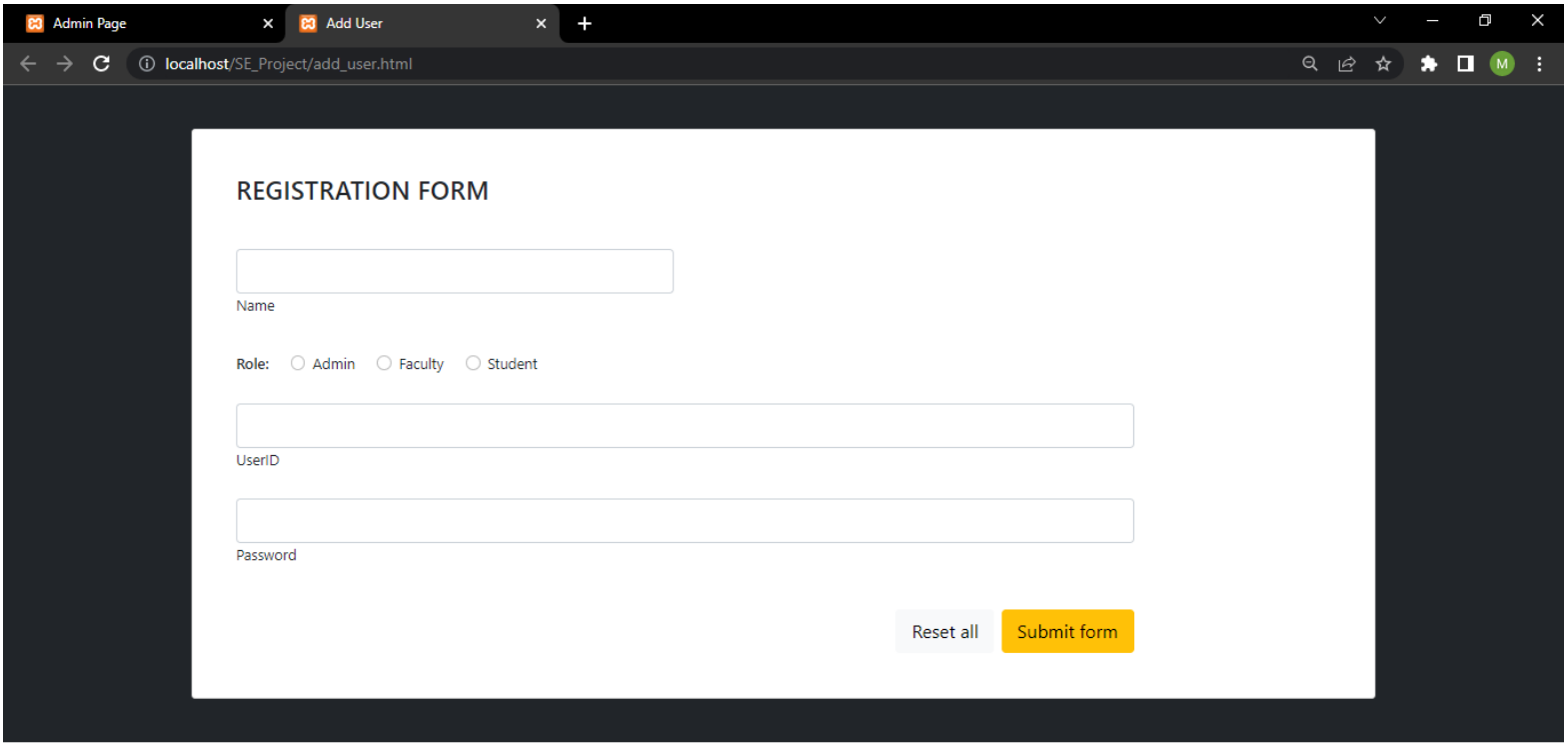


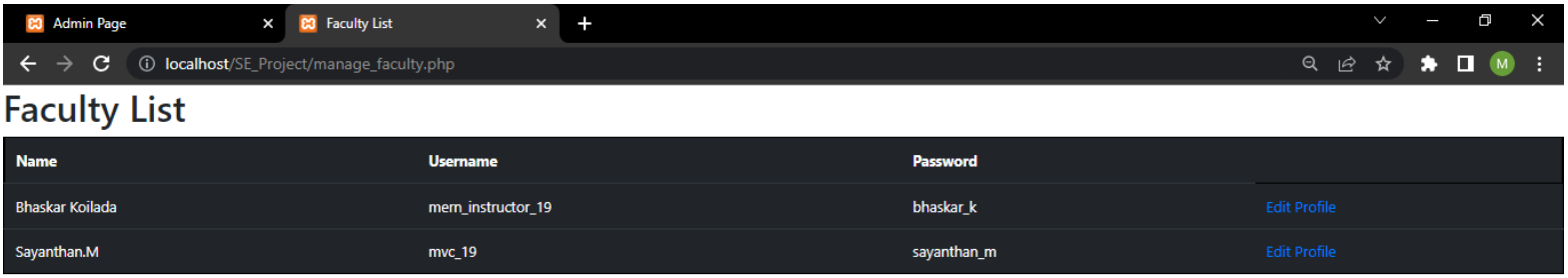
## ★ Website Screenshots:

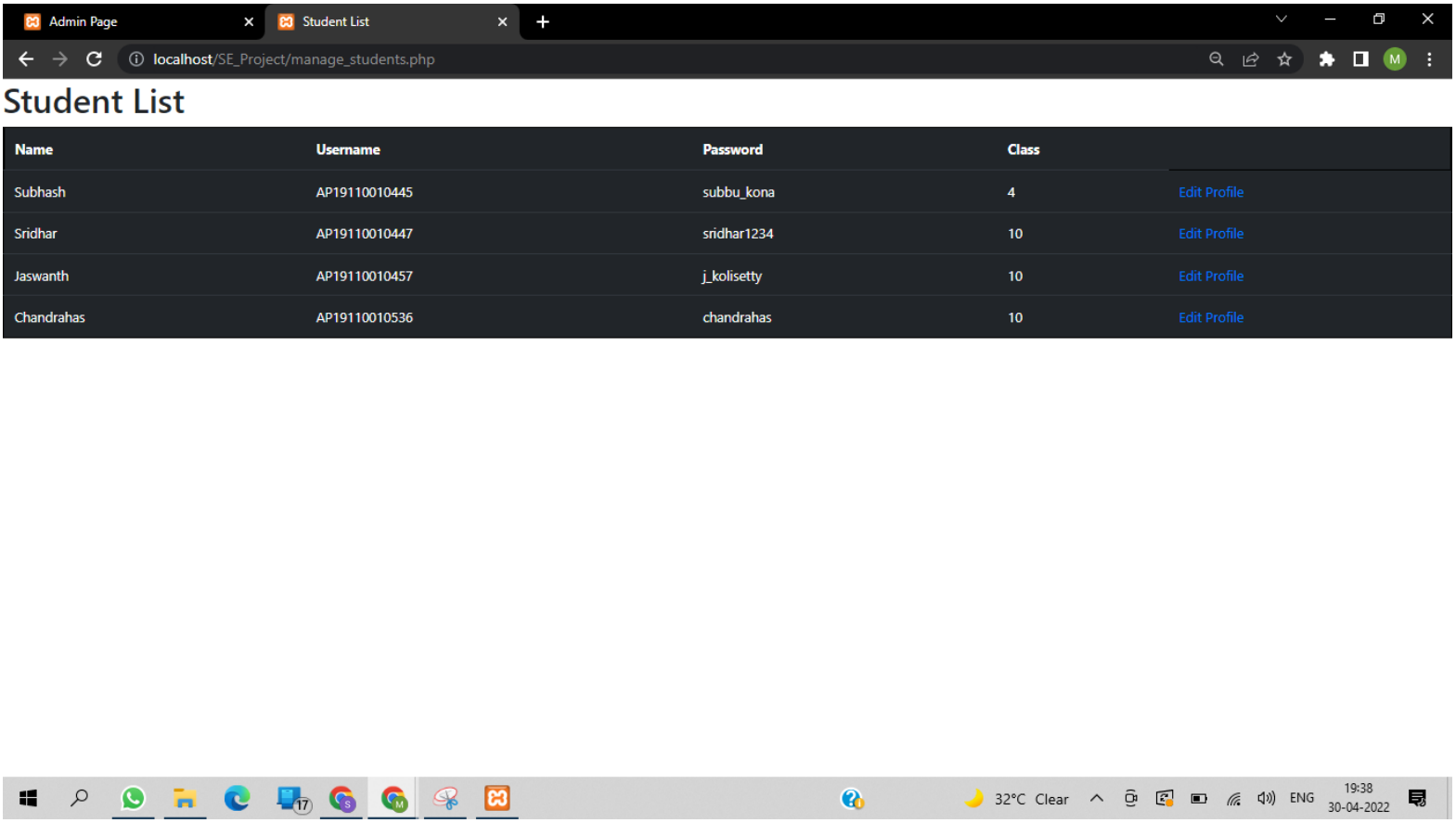
### ➢ Admin:

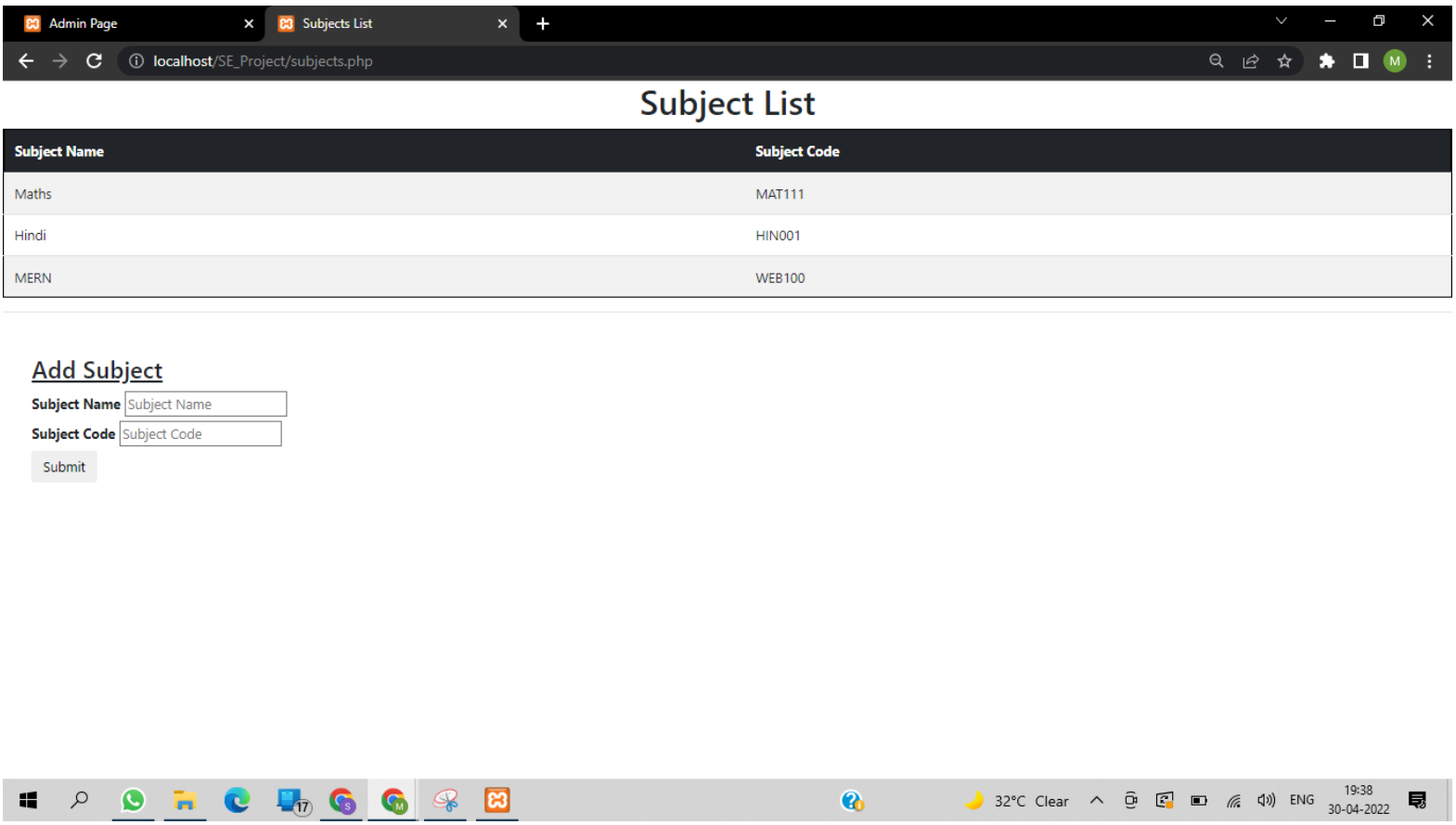


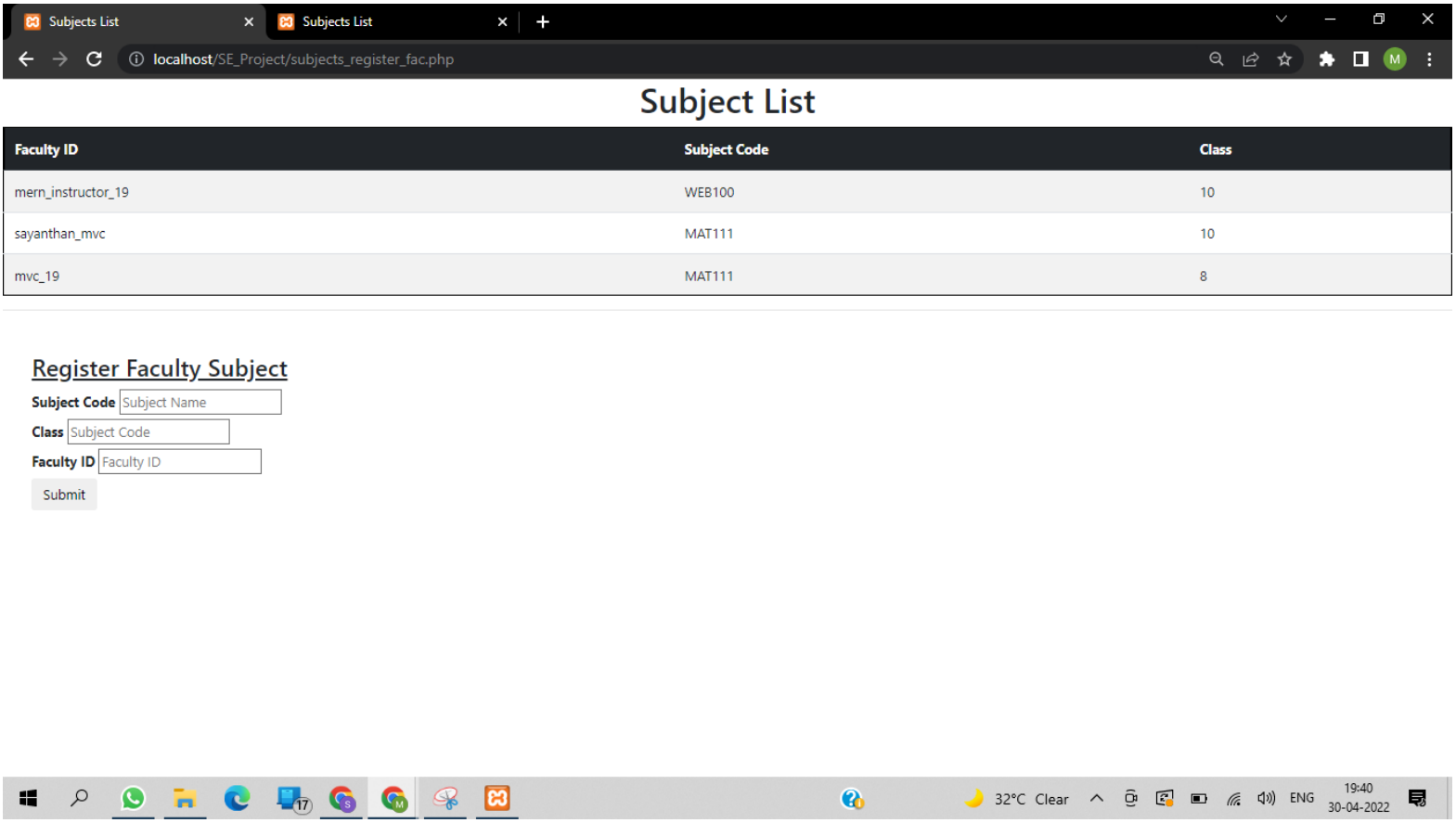




Admin Page
Add User
localhost/SE_Project/add_user.html
REGISTRATION FORM
Name
Role: Admin Faculty Student
UserID
Password
Reset all
Submit form

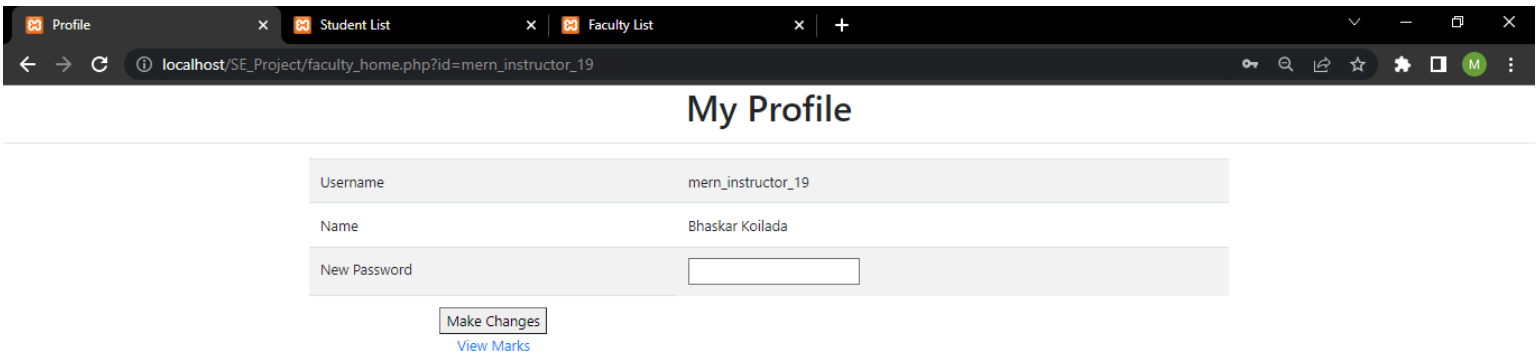

Admin Page
Faculty List
localhost/SE_Project/manage_faculty.php
Faculty List
Name
Username
Password
Bhaskar Koilada
mern_instructor_19
bhaskar_k
Edit Profile
Sayanthan.M
mvc_19
sayanthan_m
Edit Profile

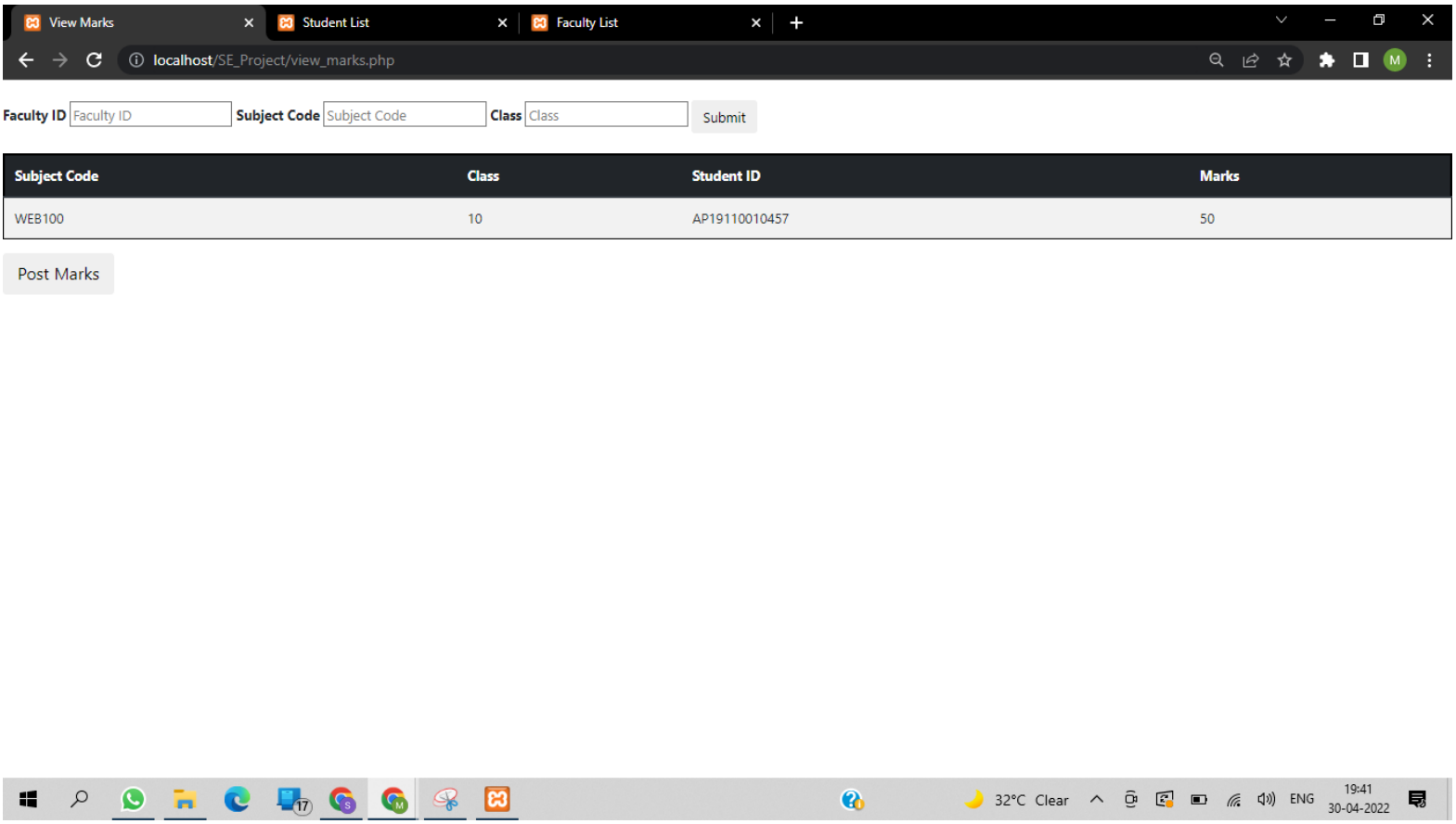

Admin Page
Student List
localhost/SE_Project/manage_students.php
Student List
Name
Username
Password
Class
Subhash
AP19110010445
subbu_kona
4
Edit Profile
Sridhar
AP19110010447
sridhar1234
10
Edit Profile
Jaswanth
AP19110010457
j_kolisetty
10
Edit Profile
Chandrahas
AP19110010536
chandrahas
10
Edit Profile

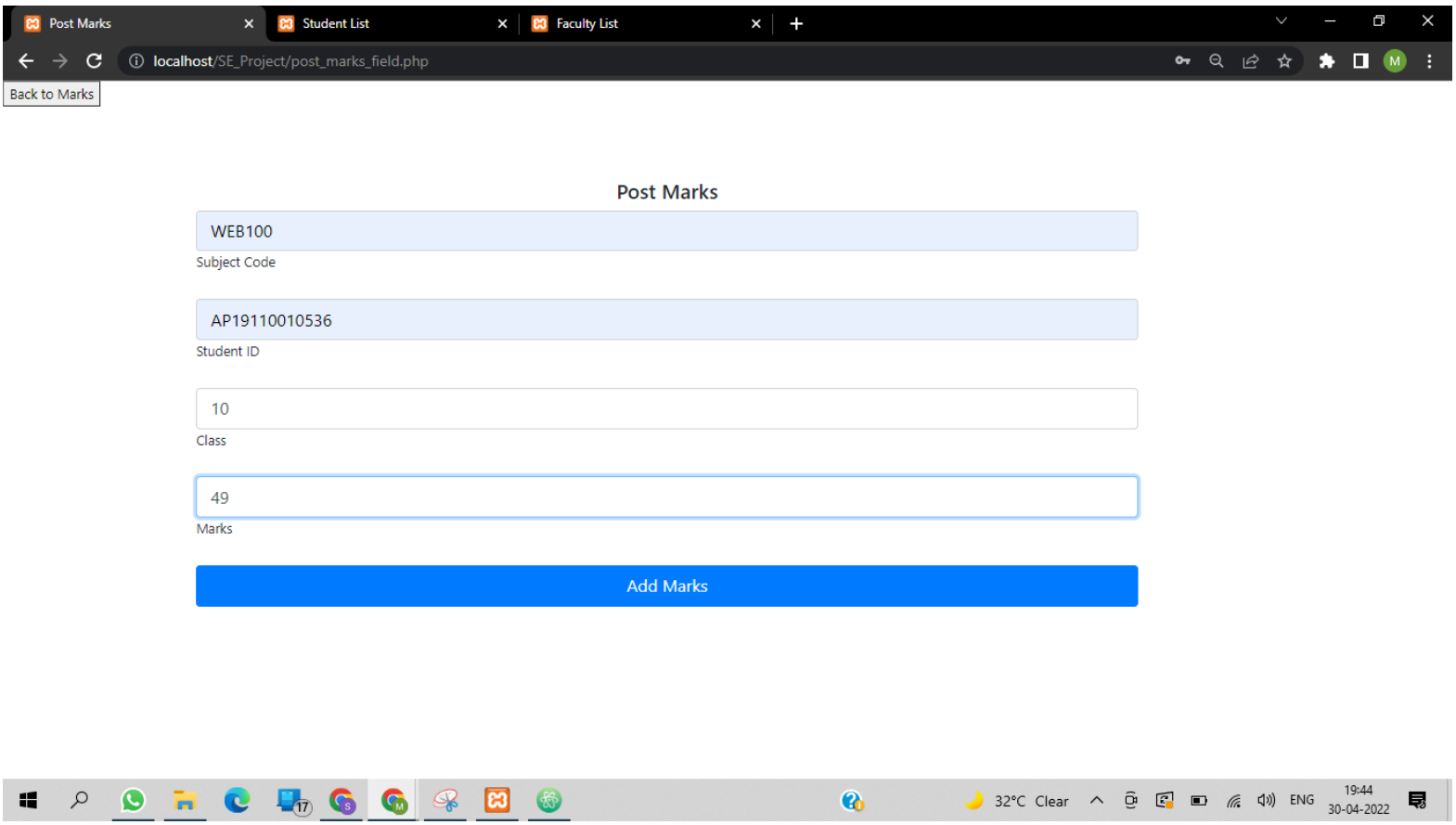

Admin Page
Subjects List
localhost/SE_Project/subjects.php
Subject List
Subject Name
Subject Code
Maths
MAT111
Hindi
HIN001
MERN
WEB100
Add Subject
Subject Name
Subject Name
Subject Code
Subject Code
Submit

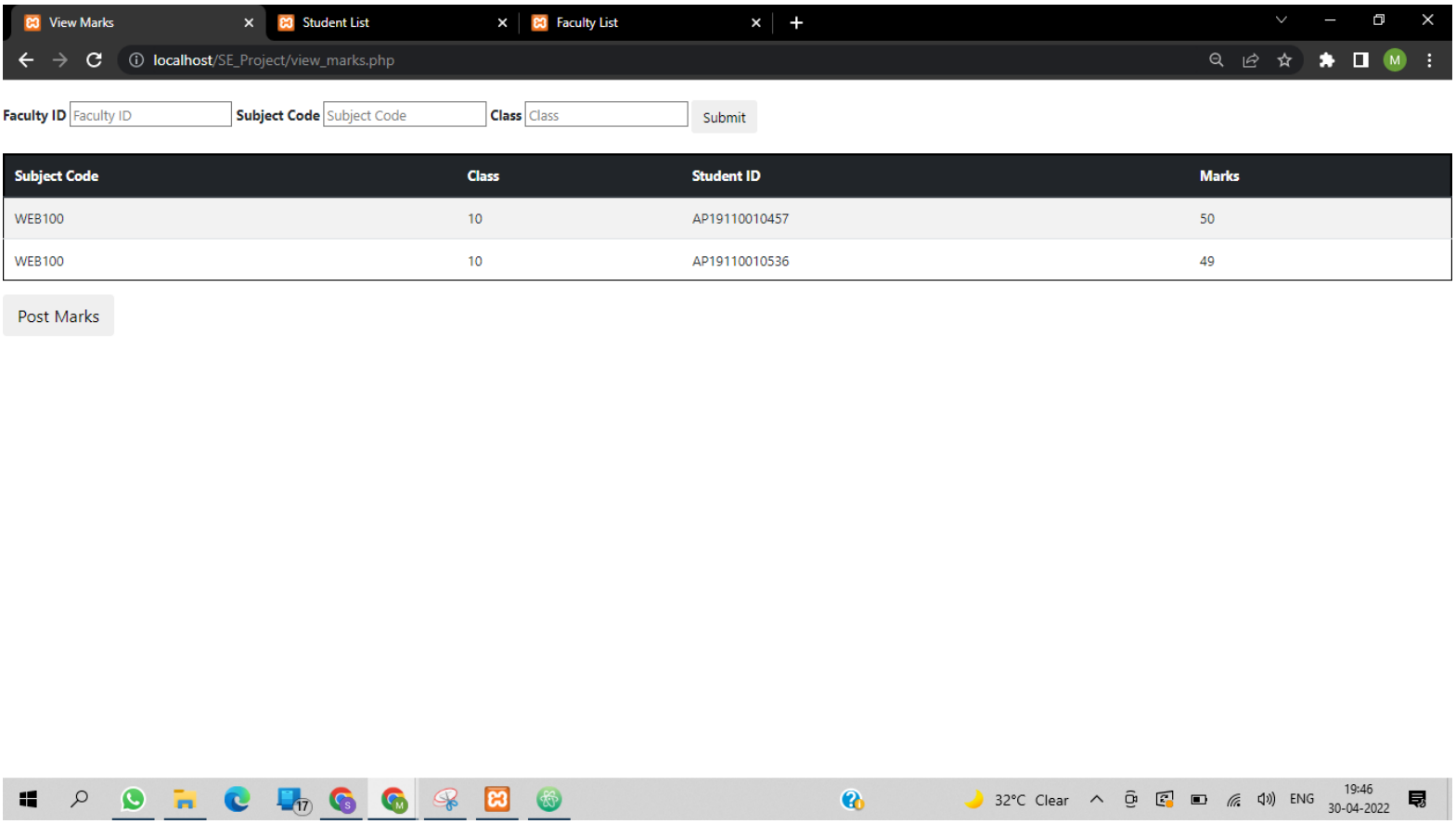

Subjects List
Subjects List
localhost/SE_Project/subjects_register_fac.php
Subject List
Faculty ID
Subject Code
Class
mern_instructor_19
WEB100
10
sayanthan_mvc
MAT111
10
mvc_19
MAT111
8
Register Faculty Subject
Subject Code Subject Name
Class Subject Code
Faculty ID Faculty ID
Submit
32°C Clear
ENG
19:40
30-04-2022

## ➢ Faculty:

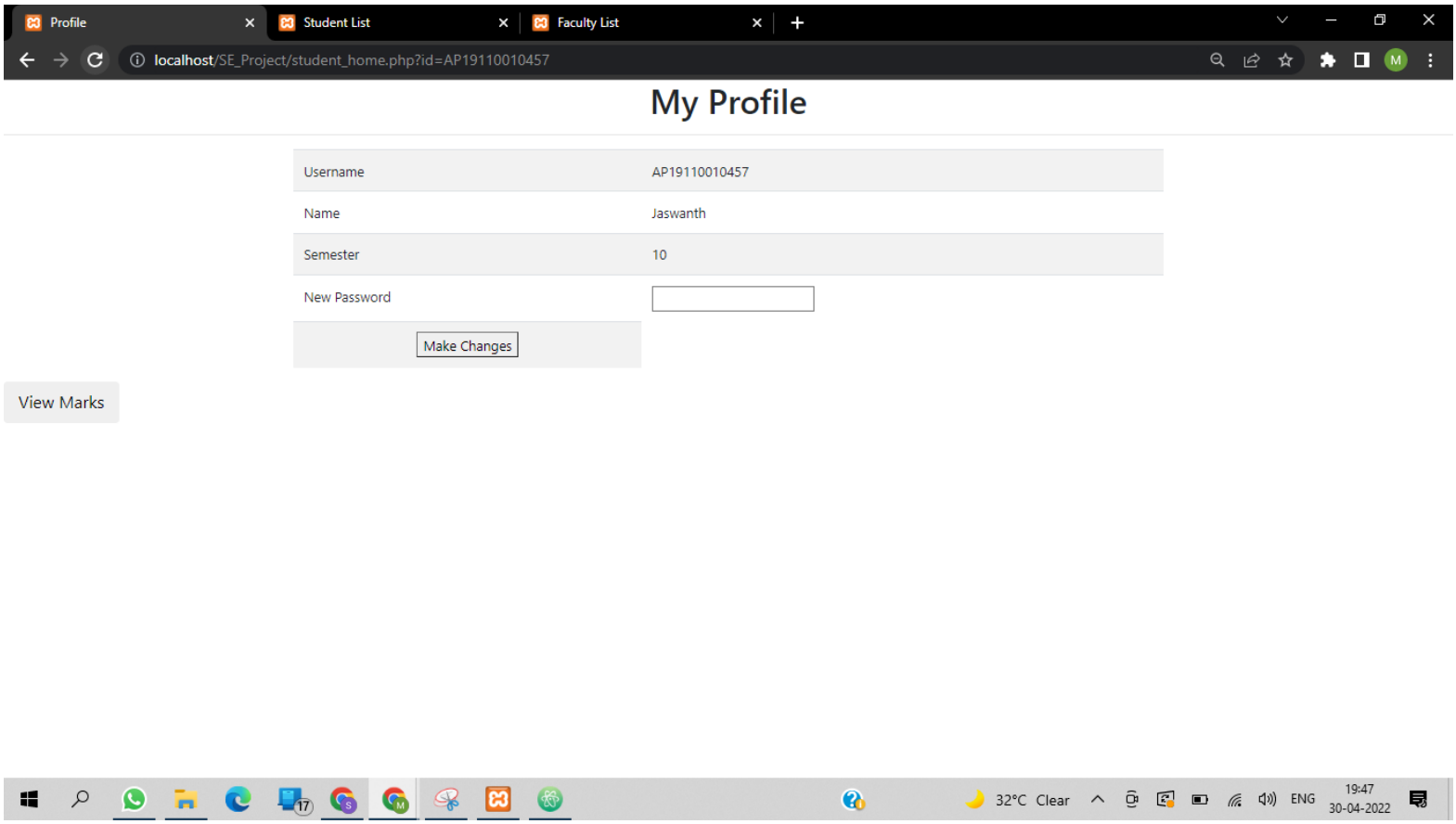

Profile
Student List
Faculty List
localhost/SE_Project/faculty_home.php?id=mern_instructor_19
My Profile
Username
mern_instructor_19
Name
Bhaskar Koilada
New Password
Make Changes
View Marks

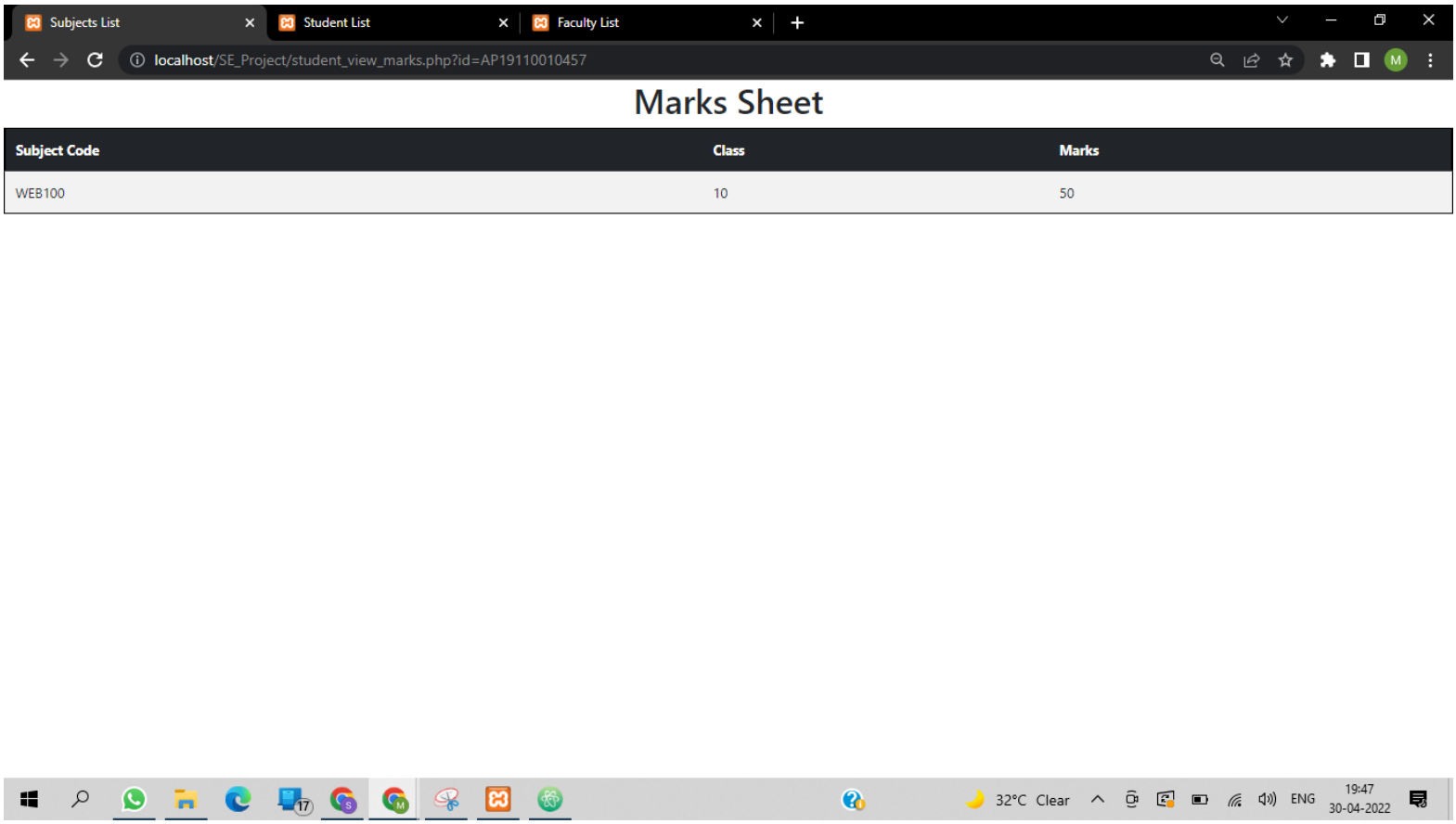

View Marks
Student List
Faculty List
localhost/SE_Project/view_marks.php
Faculty ID Faculty ID
Subject Code Subject Code
Class Class
Submit
Subject Code
Class
Student ID
Marks
WEB100
10
AP19110010457
50
Post Marks


Post Marks
Student List
Faculty List
localhost/SE_Project/post_marks_field.php
Back to Marks
Post Marks
WEB100
Subject Code
AP19110010536
Student ID
10
Class
49
Marks
Add Marks


View Marks
Student List
Faculty List
localhost/SE_Project/view_marks.php
Faculty ID
Faculty ID
Subject Code
Subject Code
Class
Class
Submit
Subject Code
Class
Student ID
Marks
WEB100
10
AP19110010457
50
WEB100
10
AP19110010536
49
Post Marks
32°C Clear
ENG
19:46
30-04-2022

## ➢ Student:


Profile
Student List
Faculty List
localhost/SE_Project/student_home.php?id=AP19110010457
My Profile
Username
AP19110010457
Name
Jaswanth
Semester
10
New Password
Make Changes
View Marks
32°C Clear
ENG
19:47
30-04-2022




## 7. Conclusion

It has been determined that the system will function properly and will thereby meet the needs of the end users. The system is thoroughly tested, and problems identified and corrected. This application will be accessed from one or more systems, hence it is necessary to test login from several systems[3].

This system is designed to be user-friendly, allowing anyone to utilize it with ease. The appropriate information must be provided by the administrator or personnel. The team can quickly comprehend how this entire application works. The system is assessed. The system has been implemented, and the end users have deemed it to be satisfactory. The desired outcome for the user's situation. The requirements are created.Because the features of this program are quite appealing, more enhancements can be added to it.

The student result management system is a web-based application that can be accessed from any location, at any time, by any student or faculty member. This program will help you in reducing paperwork.The software makes the process easier and both students and professors should be able to visualize their results[2].

## 8. **References**

[1] Beka, A. P. and Beka, F. T. (2015). "Automated result processing system: A Case study of Nigerian University," International Journal for Research in Emerging Science and Technology, Vol. 2.
[2] Barrett, S. (1999). Information's Systems: An Exploration of Factors Influencing Effective Use.Journal of Research on Computing in Education, Vol. 32, No. 1, pp. 4-16.

[3] Chew Li Sa,Dayang Hanani bt. Abang Ibrahim,Emmy Dahliana Hossain,Mohammad bin Hossin, Student performance analysis system (SPAS),2015.

[4] Nada Elgendy,Ahmed Elragal,Big Data Analytics: A Literature Review Paper,2014.