



# CMR TECHNICAL CAMPUS

UGC AUTONOMOUS

ACCREDITED BY NBA & NAAC WITH A GRADE

APPROVED BY AICTE, NEW DELHI AND AFFILIATED TO JNTU, HYDERABAD



**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**MINI PROJECT**

**ON**

**A WEB-BASED PLATFORM TO ANALYSE & INSPECT  
OVER-ALL PERFORMANCE OF A STUDENT**

**UNDER THE GUIDANCE OF**

**D. SANDHYA RANI**

**(Assistant Professor)**

**PRESENTED BY**

**M.VEDANGANA (197R1A05N3)**

**K.PRABHATH (197R1A05L9)**

**G.ALEKHYA (197R1A05L3)**

# INTRODUCTION:

The Student of the year is selected based on their academic CGPA, attendance and active participation in co-curricular activities. This helps in overall improvement of a student performance, which encourages and motivates a student to actively participate in co-curricular activities apart from academics.



## ABSTRACT:

This project is a website which decides Student of the year for a particular academic year based on overall performance of the student. It helps in overall improvement of a student performance, which encourages and motivates a student to actively participate in co-curricular activities apart from academics. The competitive spirit helps in maintaining good CGPA and overall attendance. We encourage students by providing them with certificates and presenting the winner with a trophy and the title “STUDENT OF THE YEAR”. It also improves the interaction between students and clubs to have knowledge about the events happening in and around the college.

## EXISTING SYSTEM:

Since this is a very first project in our college, there are no existing systems. We created this based on our college rules and regulations which can help the student to perform well in all aspects like studies, attendance, co-curricular activities etc. We took few websites for an idea to improve our design and performance of the website.

## DISADVANTAGES:

- We cannot collect all the data from students.
- Few eligible and not interested students cannot be awarded as the Student of the year.

## PROPOSED SYSTEMS:

We proposed a website where it helps students to showcase their talents in different aspects. It monitors each and every aspect of the student like attendance, CGPA and number of events participated in an academic year.

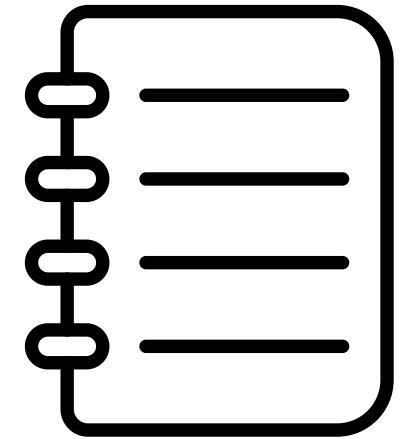
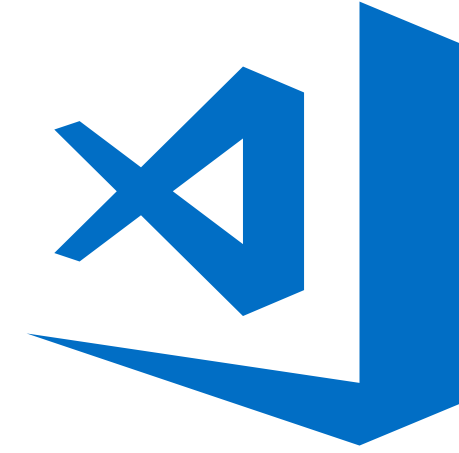
This helps in updating the student's progress with the help of forms and leader board. This website is further controlled by the college management where the all the data is secured.

## ADVANTAGES:

- Motivates the students to maintain proper attendance.
- Builds up the competitive spirit among the students.
- Encourages the students to study well and to maintain no backlogs.
- Get proper recognition to students, events, clubs, etc..
- Helps in overall improvement of student performance.

# SOFTWARE REQUIREMENTS:

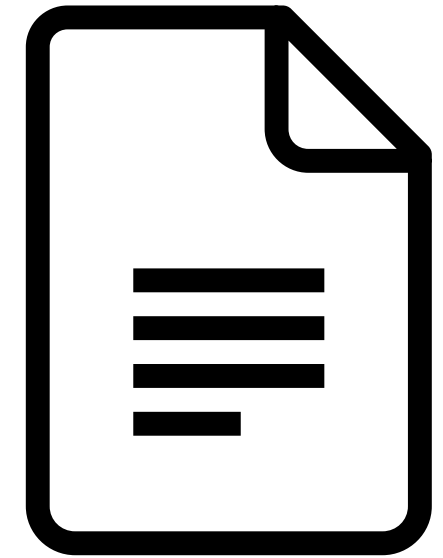
- VS Code
- MS Office/Notepad
- Bootstrap
- Google Chrome





# HARDWARE REQUIREMENTS:

- Laptop/System
- Documentation
- Camera
- Prizes & certificates
- Wi-Fi

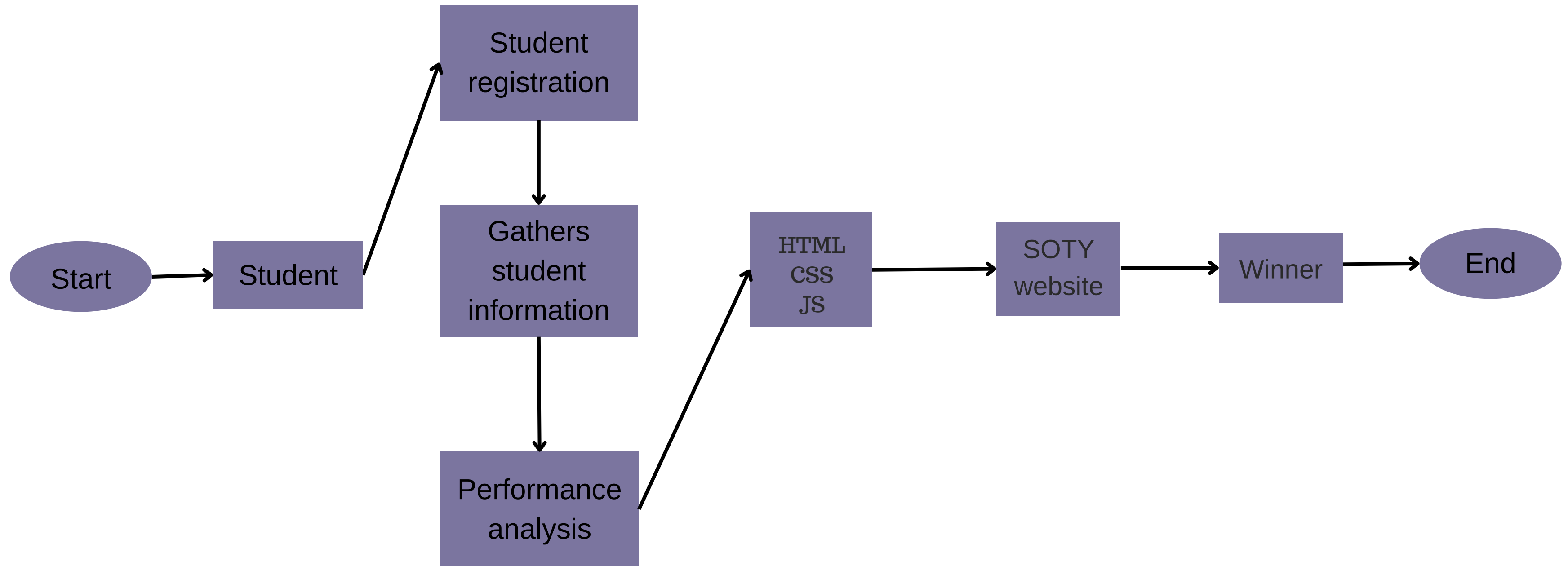


## NOVELTY:

Our project “A WEB-BASED PLATFORM TO ANALYSE & INSPECT OVER-ALL PERFORMANCE OF A STUDENT” is a website which decides Student of the year for a particular academic year based on overall performance of the student. This project helps to showcase their talents in different aspects. It monitors each and every aspect of the student like attendance, CGPA and number of events participated in an academic year.

This motivates the students to maintain proper attendance, builds up the competitive spirit among the students, encourages the students to study well and maintain no backlogs, get proper recognition to students, events, clubs and helps in overall improvement of student performance.

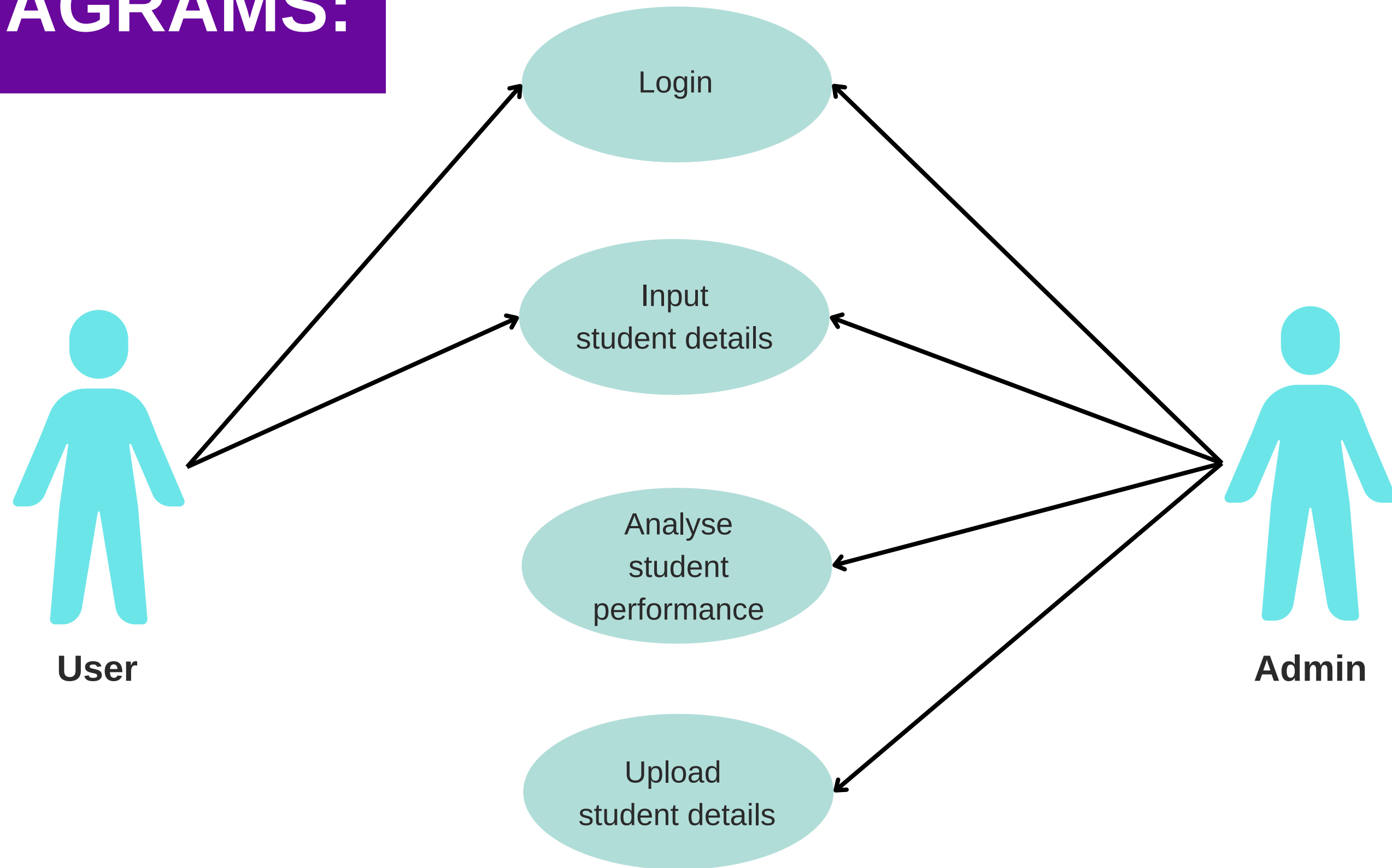
# ARCHITECTURE :



# MODULE :

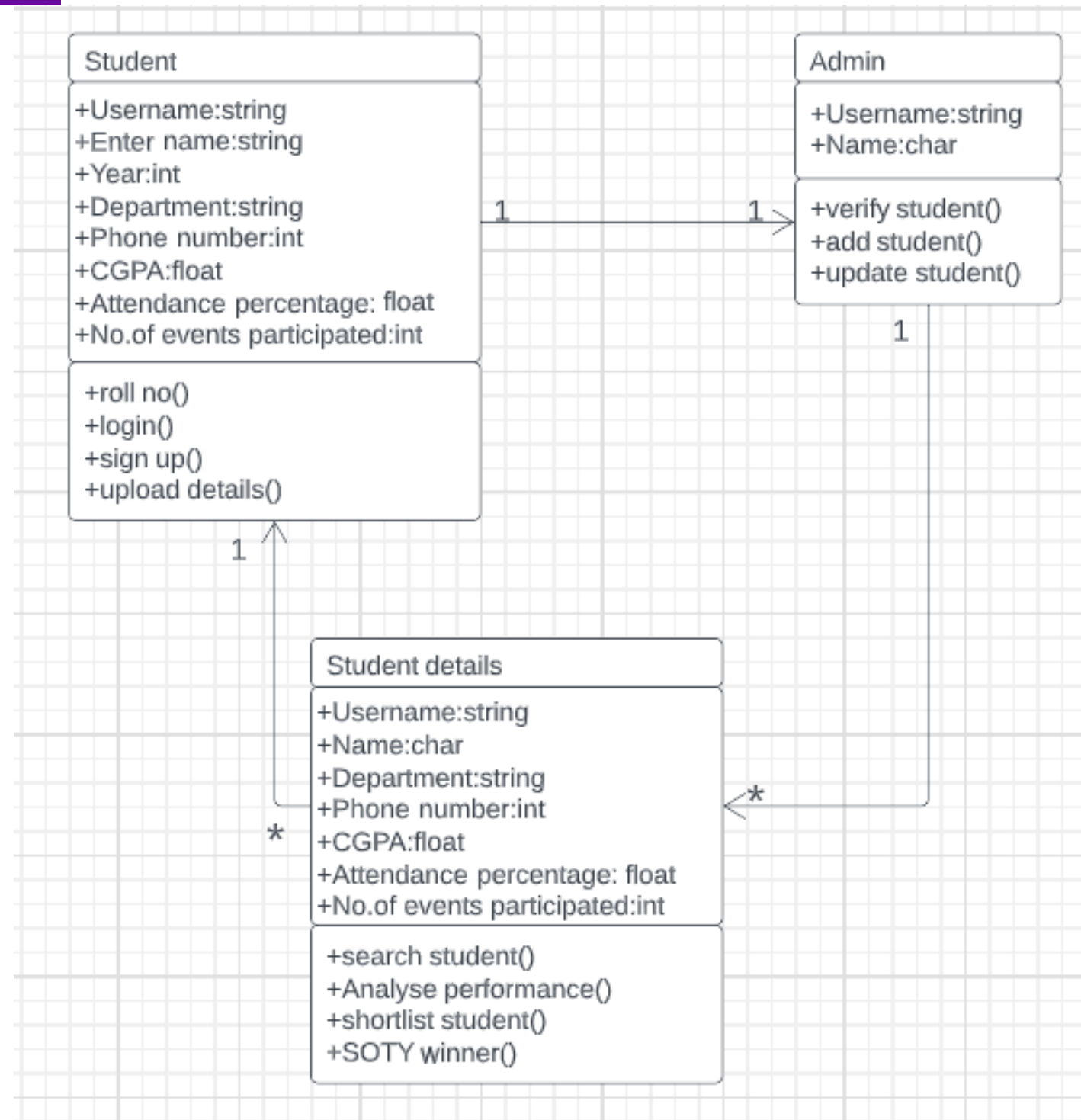
- **TYPES OF LOGIN:-** User(Student), Admin, System
- **USER REGISTRATION(Student Registration):-** User have to rigister first for which he/she need to provide valid User name, Roll No, Phone No for further communications.
- **STUDENT INFORMATION GATHERING:-** Admin can login with required credentials.After logging in the admin gathers the information given by the student.
- **ADMIN:-** The Admin analysis the student performance which is gatheredand and stored in system database.
- **SYSTEM:-** The student information is stored in the system database and which is further used by the admin for verification or analysis perpose.
- **DATA PREPROCESS:-** Using HTML, CSS, Java Script the website is created by the admin. The data stored in the system database is analysed, top 10 students are short listed and displayed on the leader Board.
- **MODULE EXECUTION:-** SOTY website is created and it is used to improve the students overall performance.

# UML DIAGRAMS:



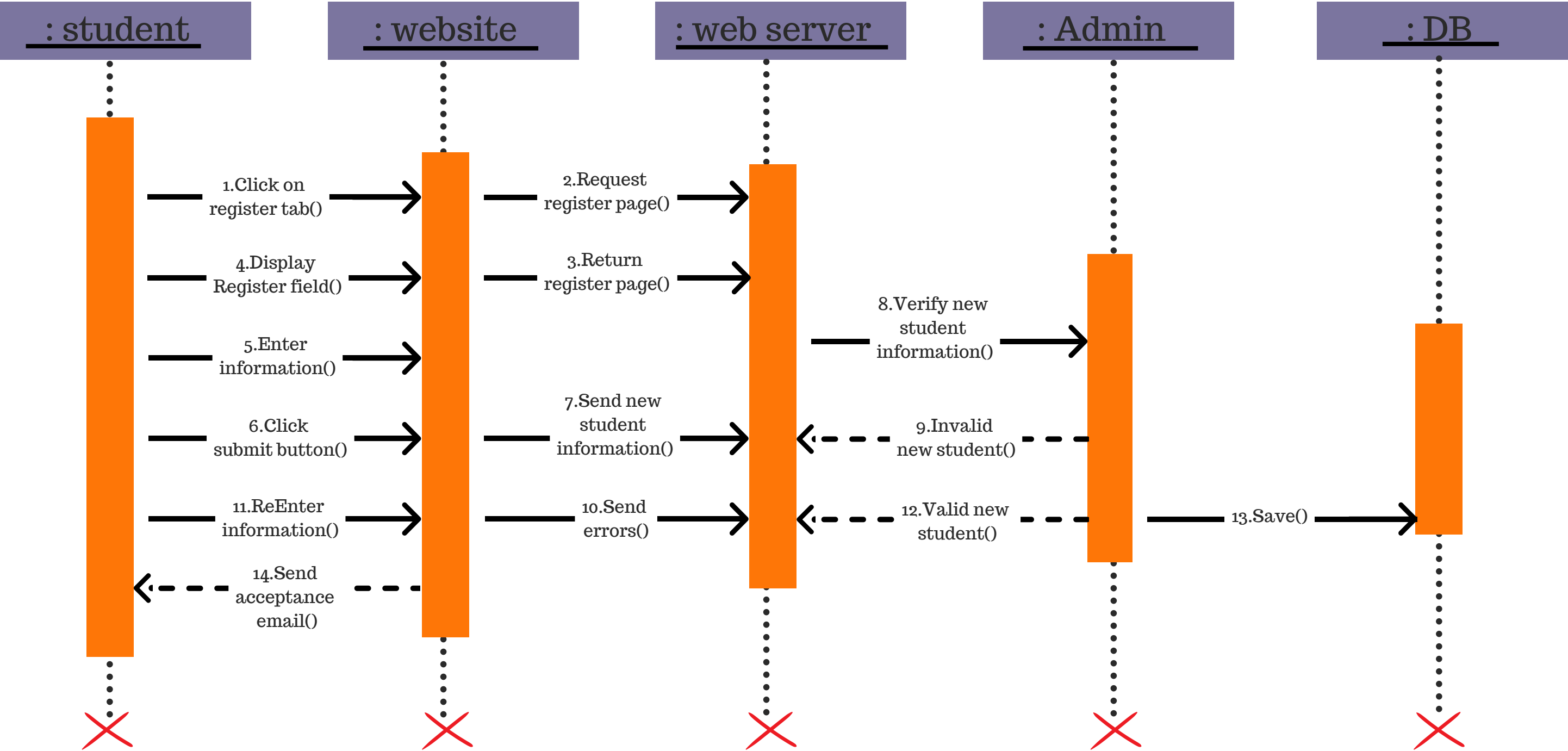
USECASE DIAGRAM TO ANALYSE AND INSPECT OVER ALL PERFORMANCE OF A STUDENT

# UML DIAGRAMS:



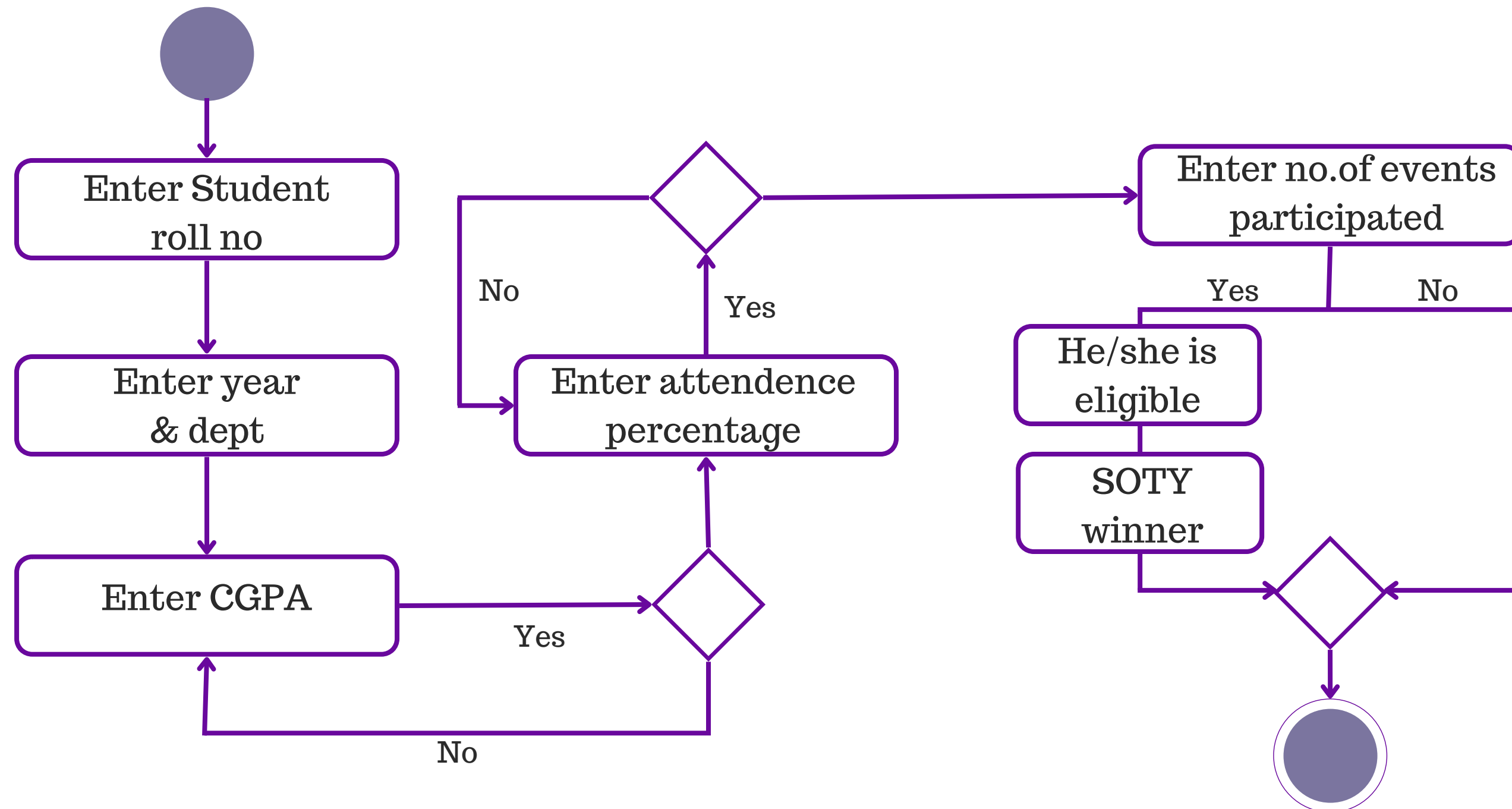
CLASS DIAGRAM TO ANALYSE AND INSPECT OVER ALL PERFORMANCE OF A STUDENT

# UML DIAGRAMS:



SEQUENCE DIAGRAM TO ANALYSE AND INSPECT OVER ALL PERFORMANCE OF A STUDENT

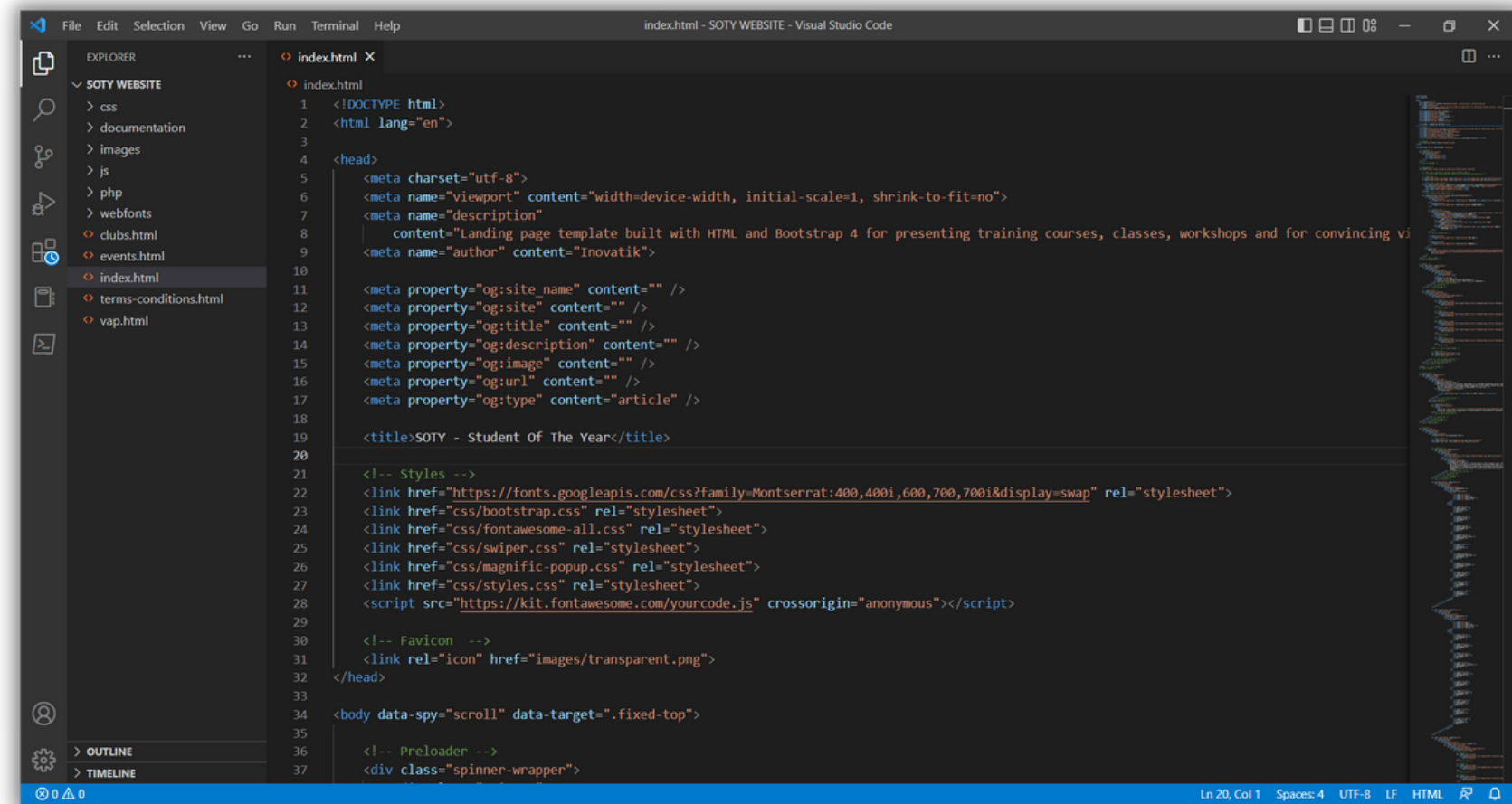
# UML DIAGRAMS:



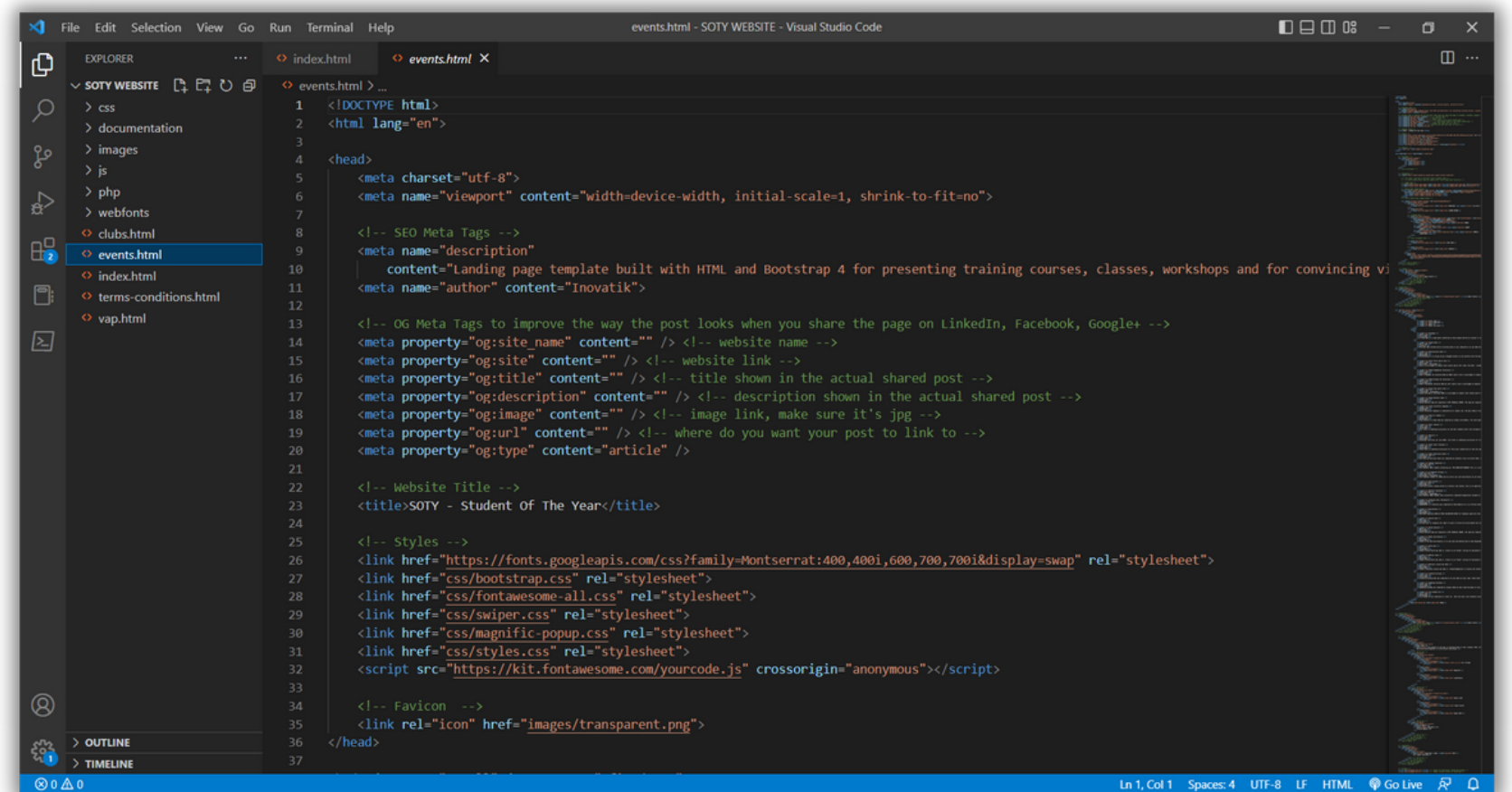
ACTIVITY DIAGRAM TO ANALYSE AND INSPECT OVER ALL PERFORMANCE OF A STUDENT



# SAMPLE CODE :



```
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <head>
5   <meta charset="utf-8">
6   <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
7   <meta name="description"
8     content="Landing page template built with HTML and Bootstrap 4 for presenting training courses, classes, workshops and for convincing v
9   <meta name="author" content="Inovatik">
10
11   <meta property="og:site_name" content="" />
12   <meta property="og:site" content="" />
13   <meta property="og:title" content="" />
14   <meta property="og:description" content="" />
15   <meta property="og:image" content="" />
16   <meta property="og:url" content="" />
17   <meta property="og:type" content="article" />
18
19   <title>SOTY - Student Of The Year</title>
20
21   <!-- Styles -->
22   <link href="https://fonts.googleapis.com/css?family=Montserrat:400,400i,600,700,700i&display=swap" rel="stylesheet">
23   <link href="css/bootstrap.css" rel="stylesheet">
24   <link href="css/fontawesome-all.css" rel="stylesheet">
25   <link href="css/swiper.css" rel="stylesheet">
26   <link href="css/magnific-popup.css" rel="stylesheet">
27   <link href="css/styles.css" rel="stylesheet">
28   <script src="https://kit.fontawesome.com/yourcode.js" crossorigin="anonymous"></script>
29
30   <!-- Favicon -->
31   <link rel="icon" href="images/transparent.png">
32 </head>
33
34 <body data-spy="scroll" data-target=".fixed-top">
35
36   <!-- Preloader -->
37   <div class="spinner-wrapper">
```



```
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <head>
5   <meta charset="utf-8">
6   <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
7
8   <!-- SEO Meta Tags -->
9   <meta name="description"
10     content="Landing page template built with HTML and Bootstrap 4 for presenting training courses, classes, workshops and for convincing v
11   <meta name="author" content="Inovatik">
12
13   <!-- OG Meta Tags to improve the way the post looks when you share the page on LinkedIn, Facebook, Google+ -->
14   <meta property="og:site_name" content="" /> <!-- website name -->
15   <meta property="og:site" content="" /> <!-- website link -->
16   <meta property="og:title" content="" /> <!-- title shown in the actual shared post -->
17   <meta property="og:description" content="" /> <!-- description shown in the actual shared post -->
18   <meta property="og:image" content="" /> <!-- image link, make sure it's jpg -->
19   <meta property="og:url" content="" /> <!-- where do you want your post to link to -->
20   <meta property="og:type" content="article" />
21
22   <!-- Website Title -->
23   <title>SOTY - Student Of The Year</title>
24
25   <!-- Styles -->
26   <link href="https://fonts.googleapis.com/css?family=Montserrat:400,400i,600,700,700i&display=swap" rel="stylesheet">
27   <link href="css/bootstrap.css" rel="stylesheet">
28   <link href="css/fontawesome-all.css" rel="stylesheet">
29   <link href="css/swiper.css" rel="stylesheet">
30   <link href="css/magnific-popup.css" rel="stylesheet">
31   <link href="css/styles.css" rel="stylesheet">
32   <script src="https://kit.fontawesome.com/yourcode.js" crossorigin="anonymous"></script>
33
34   <!-- Favicon -->
35   <link rel="icon" href="images/transparent.png">
36 </head>
37
```

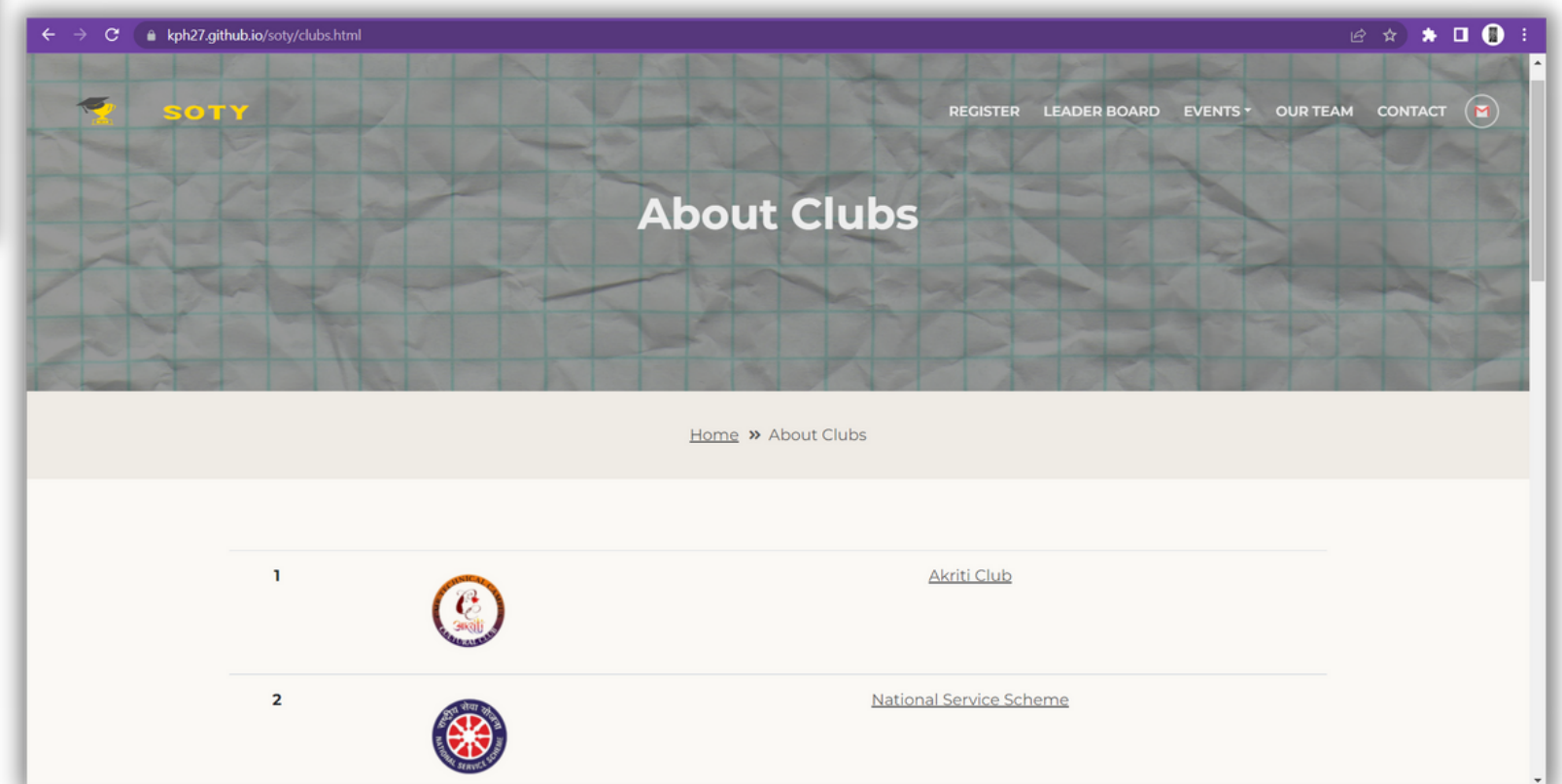
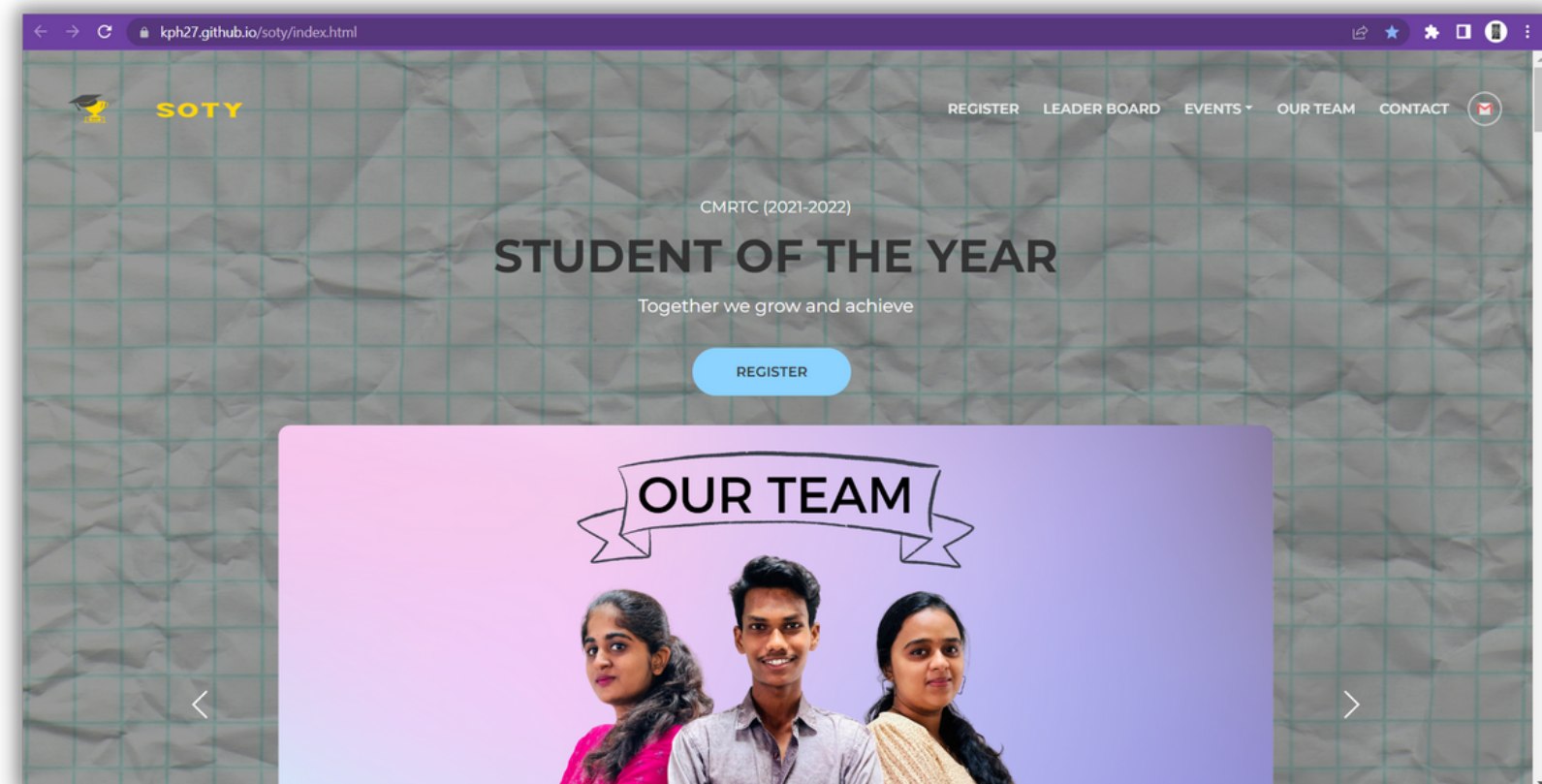
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# SAMPLE CODE :

```
# styles.css 1 X
css > # styles.css > body
1 body,
2 html {
3     width: 100%;
4     height: 100%;
5 }
6
7 body,
8 p {
9     color: #555;
10    font: 400 1rem/1.625rem "Montserrat", sans-serif;
11 }
12
13 .p-large {
14     font: 400 1.125rem/1.75rem "Montserrat", sans-serif;
15 }
16
17 .p-small {
18     font: 400 0.875rem/1.5rem "Montserrat", sans-serif;
19 }
20
21 .p-heading {
22     margin-bottom: 3.75rem;
23 }
24
25 h1 {
26     color: #333;
27     font: 700 2.75rem/3.375rem "Montserrat", sans-serif;
28 }
29
30 h2 {
31     color: #333;
32     font: 700 2.90rem/3.525rem "Montserrat", sans-serif;
33 }
34
35 h3 {
36     color: #333;
37     font: 700 1.625rem/2.125rem "Montserrat", sans-serif;
```

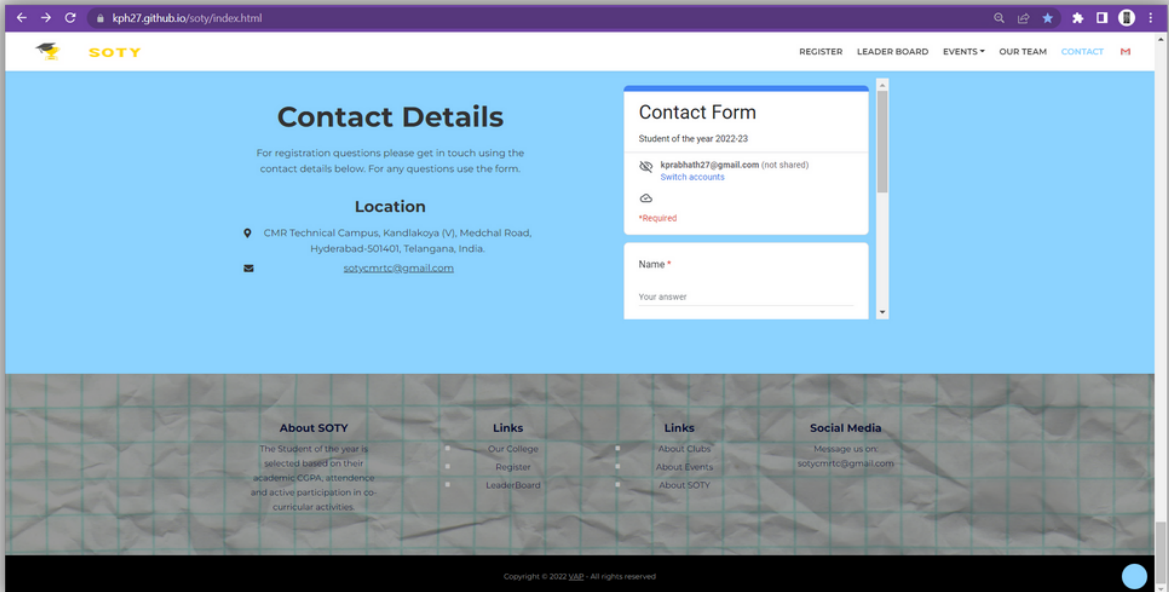
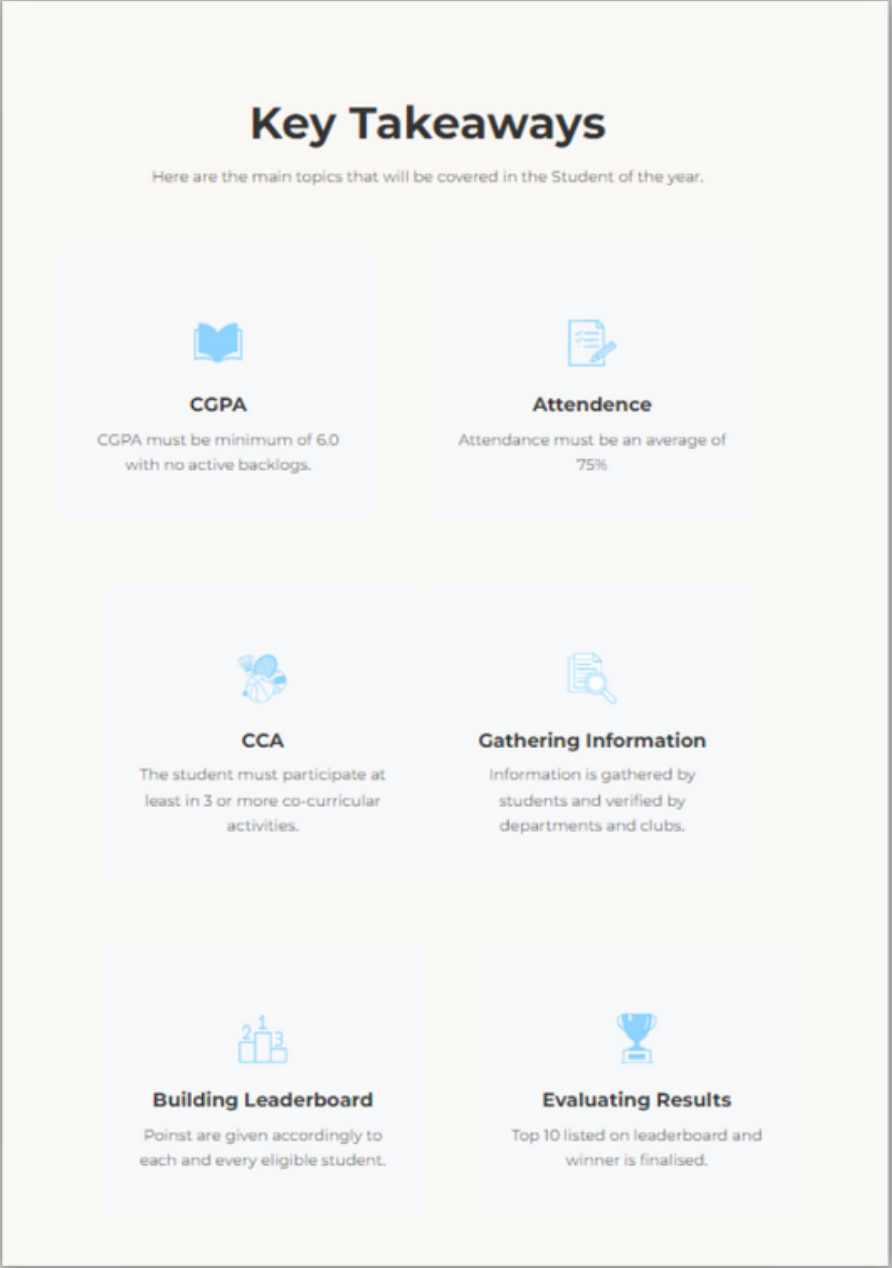
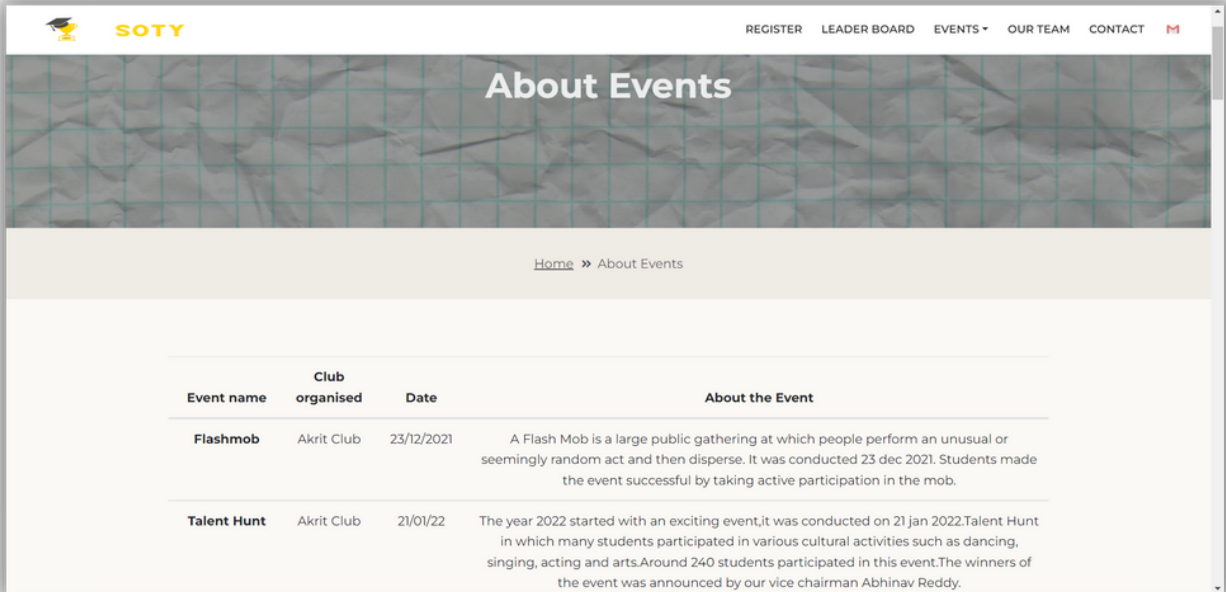
```
JS scripts.js X
js > JS scripts.js > ...
1 (function ($) {
2     "use strict";
3
4     /* Preloader */
5     $(window).on('load', function () {
6         var preloaderFadeOutTime = 500;
7         function hidePreloader() {
8             var preloader = $('.spinner-wrapper');
9             setTimeout(function () {
10                 preloader.fadeOut(preloaderFadeOutTime);
11             }, 500);
12         }
13         hidePreloader();
14     });
15
16     /* Navbar Scripts */
17     // jQuery to collapse the navbar on scroll
18     $(window).on('scroll load', function () {
19         if ($(".navbar").offset().top > 60) {
20             $(".fixed-top").addClass("top-nav-collapse");
21         } else {
22             $(".fixed-top").removeClass("top-nav-collapse");
23         }
24     });
25
26     // jQuery for page scrolling feature - requires jQuery Easing plugin
27     $(function () {
28         $(document).on('click', 'a.page-scroll', function (event) {
29             var $anchor = $(this);
30             $('html, body').stop().animate({
31                 scrollTop: $($anchor.attr('href')).offset().top
32             }, 600, 'easeInOutExpo');
33             event.preventDefault();
34         });
35     });
36
37 }
```

# RESULT :





# RESULT :



## CONCLUSION:

This project mainly focuses on the overall improvement of a student's performance which is designed to serve the purpose of providing proper recognition to the student, events and clubs.

This project can be used in other sectors as well like tracking attendance, CGPA, events performed and clubs organized. It helps in monitoring student activities.

It can be extended throughout the college/university/board.

## **FUTURE ENCHANCEMENT :**

Since it is our very first project, we completed this project based on our college rules and regulations. Further more new rules can be added. We have completedd this project by considering only 2nd and 3rd yers. Further this can be considered for overall campus. Every student will be motivated and we can see improvement in overall performance of the student.

## REFERENCE :

- [1] HTML & CSS: The Complete Reference, Fifth Edition, 1 July 2017 by Thomas Powell (Author).
- [2] JavaScript: The Complete Reference, 2nd edition (Osborne Complete Reference Series), 16 July 2004 by Thomas Powell (Author), Fritz Schneider (Author).
- [3] Visual Studio Code: Visual Studio Code by Bruce Johnson, Released September 2019, Publisher(s): Wiley.
- [4] Github: Pro Git book, written by Scott Chacon and Ben Straub and published by Apress, 2nd Edition (2014).

## REFERENCE :

- [5] Canva: Professional Tips and Tricks When You Design with Canva (Step by Step Canva Guide for Work or Business with Pictures) by Patrick Ejeke, 2021.
- [6] Microsoft Office: Learn Microsoft Office 2019: A comprehensive guide to getting started with Word, PowerPoint, Excel, Access, and Outlook, 29 May 2020, by Linda Foulkes.
- [7] Filmora: A Beginners Guide To Filmora 9, Bryson Sim, Lulu.com, 20-Feb-2020



**GITHUB LINK:**

<https://github.com/kph27/soty.git>

**THANK YOU!**

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