

Project Report

On

“SPORTS MANAGEMENT SYSTEM”

Designed and Developed

By

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For the PARTIAL FULFILMENT of Degree of

Bachelors of Science (COMPUTER SCIENCE)

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UNDER THE GUIDANCE OF

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ACKNOWLEDGEMENT

I have a great pleasure in representing this project report entitled “Sports Management System(Persona)” and I grab this opportunity to convey my immense regards towards all the distinguished people and who have their valuable contribution in the hour of the need.

I would like to thank our honorable Principal Dr. MANALI LONDHE for granting us different facilities to do the project under the guidance of our faculty. Because to their support this project was a success.

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A special thanks to the University Of Mumbai for having prescribed this project work to me as a part of the academic requirement in the Final year of Bachelor of Science in Computer Science.

Sincere thanks from,

(SAMIKSHA RAJESH SHETTY)

INTRODUCTION

- **Project Title:**

Sports Management System(Persona)

- **Introduction:**

- Today we are living in a world of technology. We are using technology as our daily needs. Thus as a part of technology internet has become the most important thing. Cause now each and every kind of devices are connected to the cloud. Thus many of our daily tasks become dependent on web-based. Hence a sports person does know about the sports held internationally but not about the local tournaments. So i am trying to build something that is related to web technology and can make life easier for people. The admin will keep us updated regarding the tournaments/events being held and we will get the update only if we have applied for that sports.

As a sports player, it is also very important to keep in check our weight and fitness through this we will get to know about our BMI (Body mass index) which is very important for us sports players.

- **Objectives:**

As a sports enthusiast, it has always been difficult for me to find different tournaments which are being held locally as the message is just forwarded through social media there is no proper system. Hence through this the user can find the tournaments being held with all the details as well as of other sports in which they are interested.

Objectives of the system to be built.

- To get proper details of the tournament
- Digitalize the entire process
- Allow us decide if we want to participate or not
- Friendly user interface

- **Advantages :**

- After registration only if the admin accepts the request then only we can login
- We get information about the sports for which we have registered
- Reduce the chance of losing data by hardware failure
- Aesthetically pleasing and friendly user interface
- Save time of the user
- Minimize manual data entry
- Greater efficiency
- Better Service

- **Disadvantages:**

- Data security loss or theft.

- **Limitation :**

- Users getting registered should have a valid email address, login using phone number doesn't work.
- A person does not get notification if the event has been edited they have to check the website again and again to be updated.

REQUIREMENT SPECIFICATION

- **Software Specifications:**

FRONTEND: Java NetBeans 8.2

BACKEND: MySQL 8.0

- **Hardware Specifications:**

PROCESSOR: Intel Core i5

HARD DISK: 256GB

RAM: 8GB

OPERATING SYSTEM: 64-bit Windows 10

SYSTEM DESIGN DETAILS

Entity Relationship Diagram

An entity–relationship model describes interrelated things of interest in a specific domain of knowledge. A basic ER model is composed of entity types and specifies relationships that can exist between entities.

Class Diagram

A class diagram in the Unified Modeling Language is a type of static structure diagram that describes the structure of a system by showing the system's classes, their attributes, operations, and the relationships among objects.

Flow Chart

A flowchart is a type of diagram that represents a workflow or process. A flowchart can also be defined as a diagrammatic representation of an algorithm, a systematic approach to solve a task. The flowchart shows the steps as boxes of various kinds, and their order by connecting the boxes with arrows.

Activity Diagram

The activity diagram used to describe flow of activity through a series of actions. Activity diagram is an important diagram to describe the system. The activity described as an action or operation of the system.

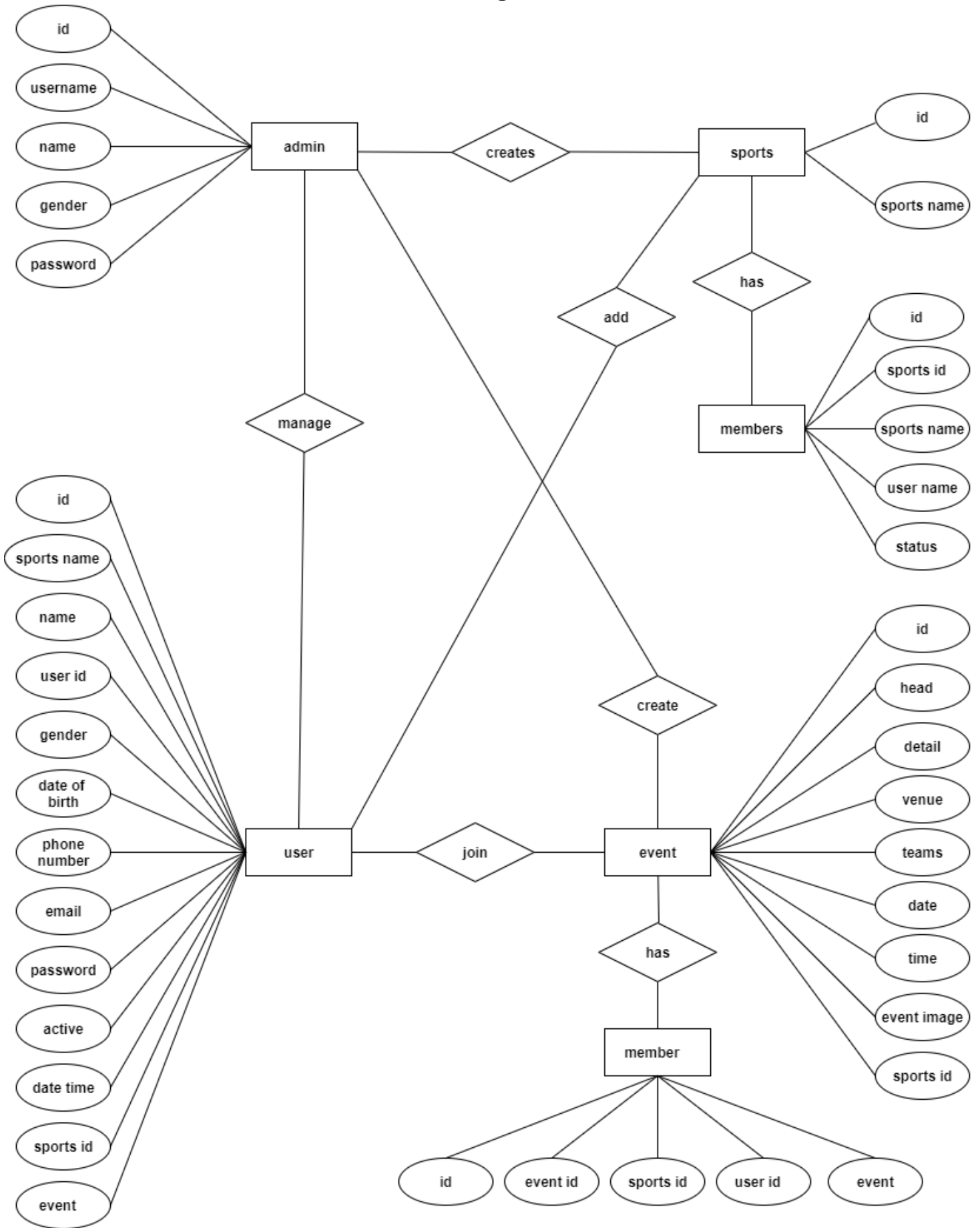
Sequence Diagram

A sequence diagram shows object interactions arranged in time sequence. It depicts the objects involved in the scenario and the sequence of messages exchanged between the objects needed to carry out the functionality of the scenario. Sequence diagrams are typically associated with use case realizations in the Logical View of the system under development. Sequence diagrams are sometimes called event diagrams or event scenarios.

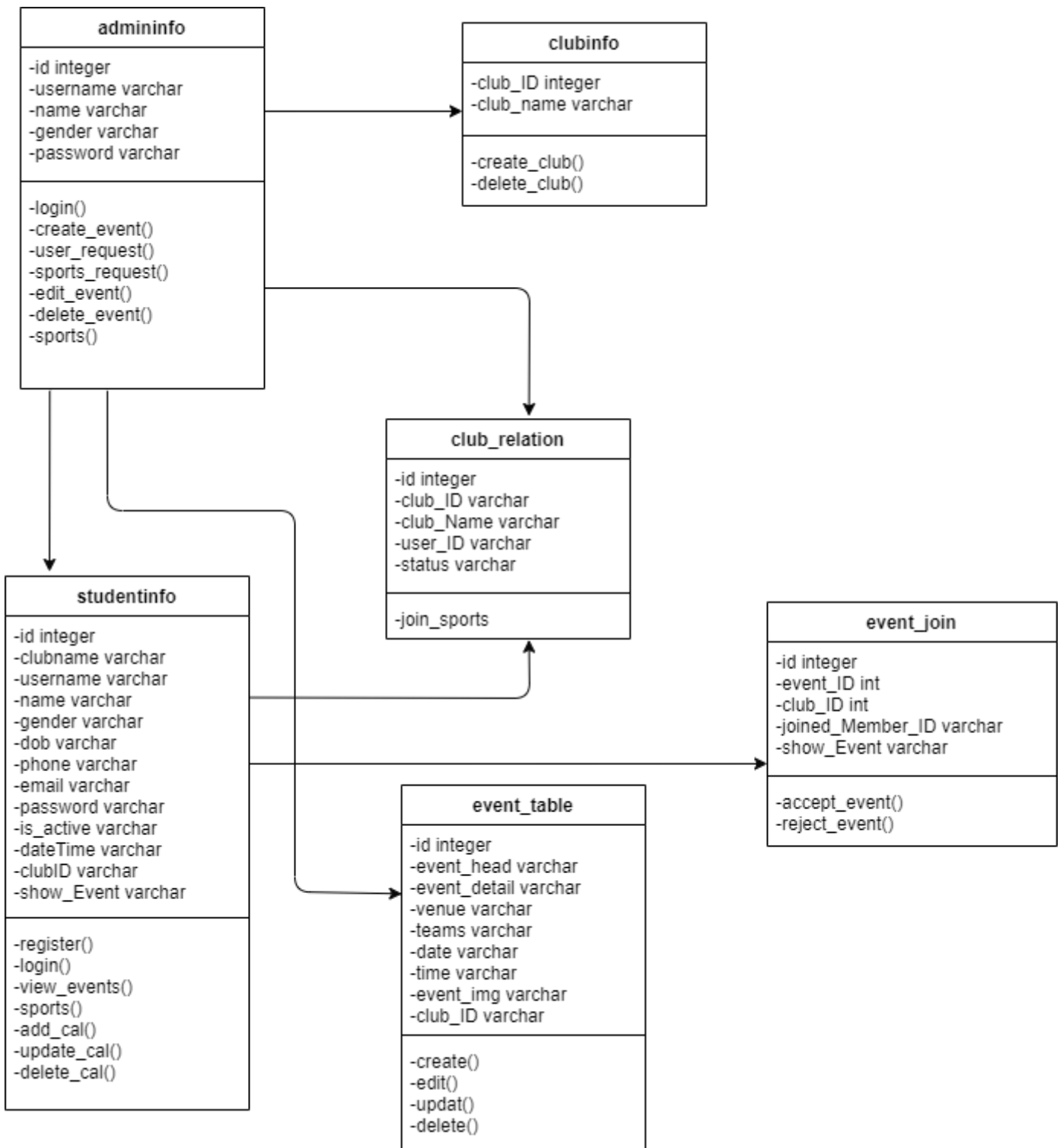
Database Design

Database design is the organization of data according to a database model. The designer determines what data must be stored and how the data elements interrelate. With this information, they can begin to fit the data to the database model. Database management system manages the data accordingly.

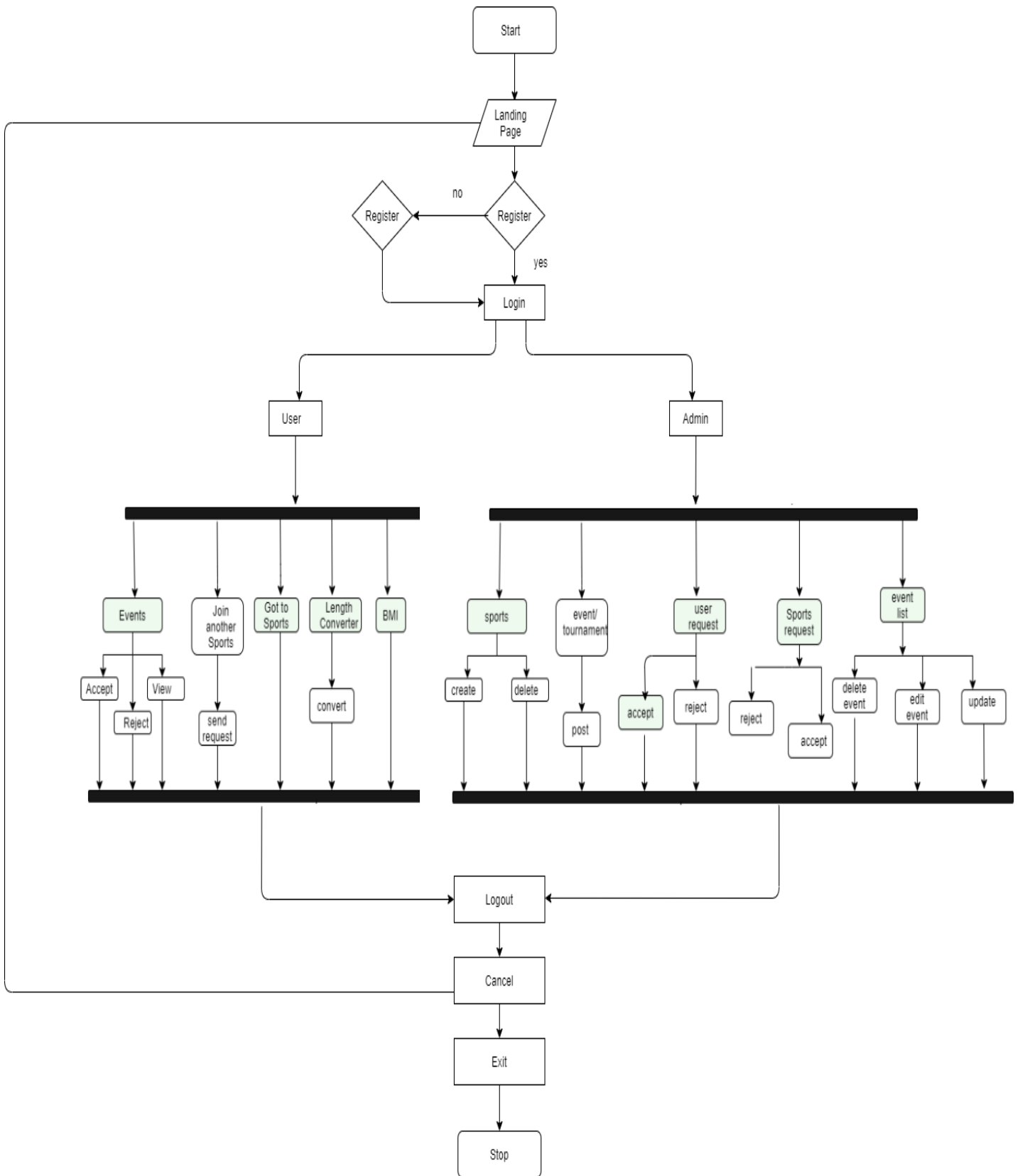
E-R Diagram



Class Diagram

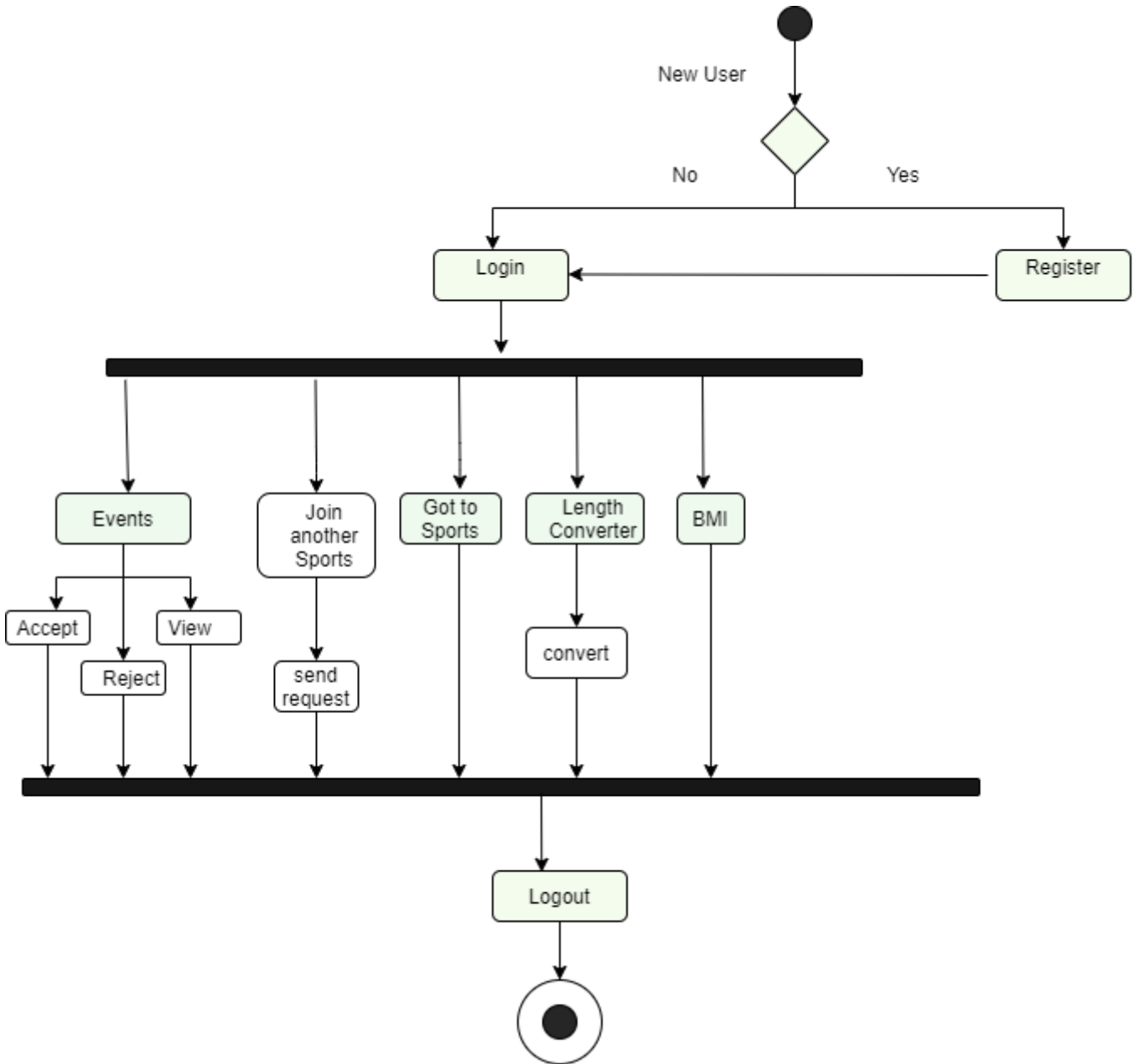


Flow Chart

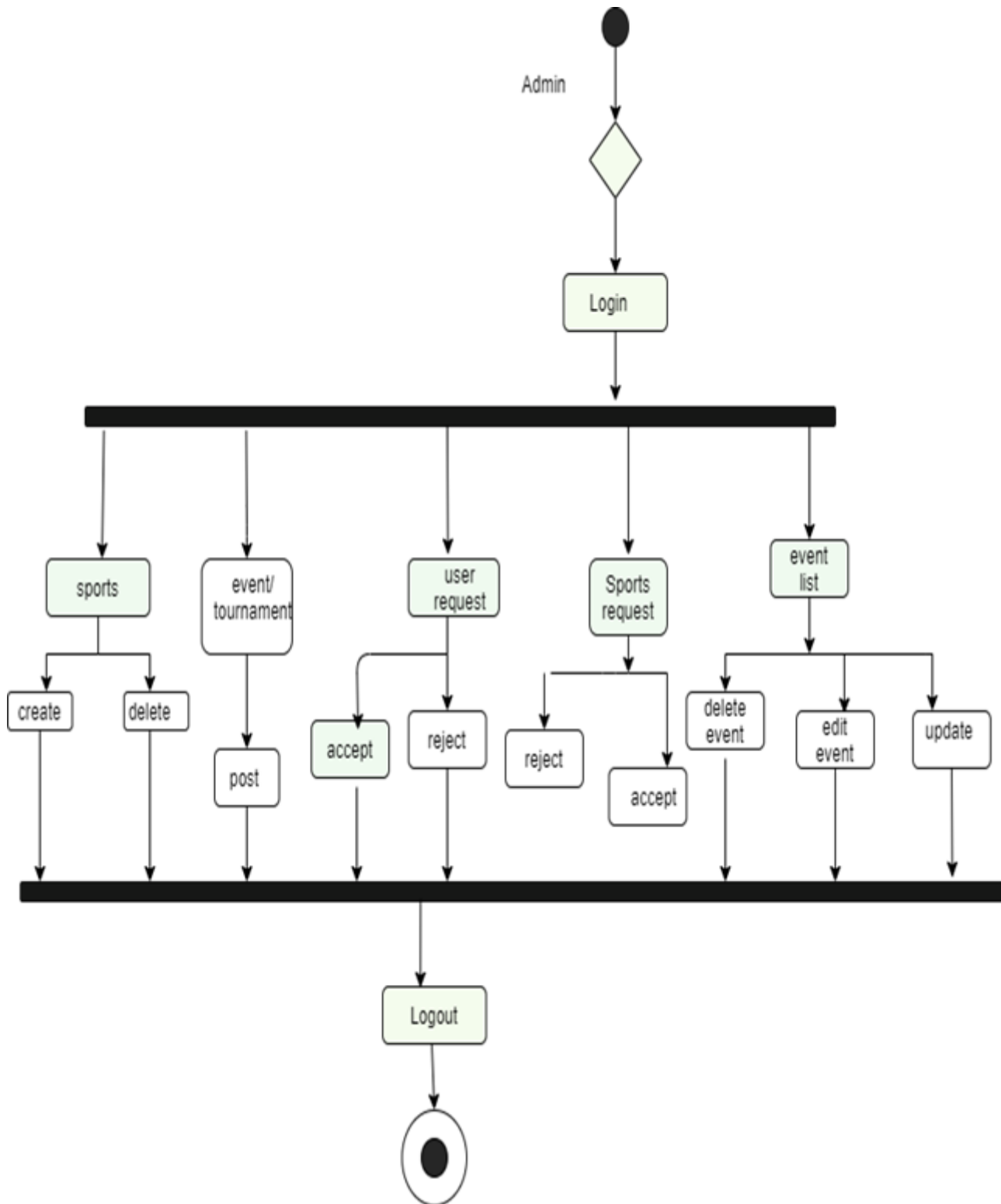


Activity Diagram

▪ User

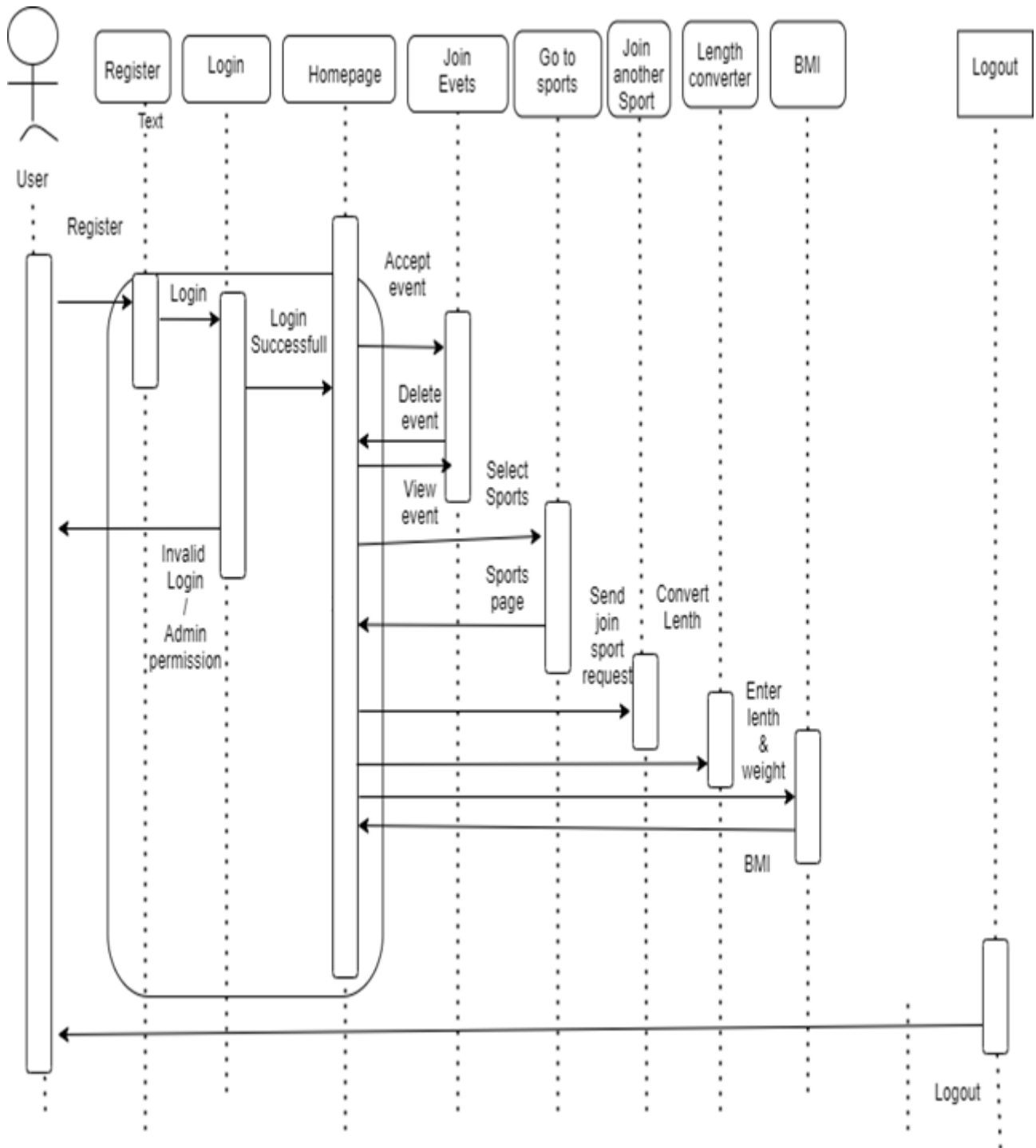


▪ Admin

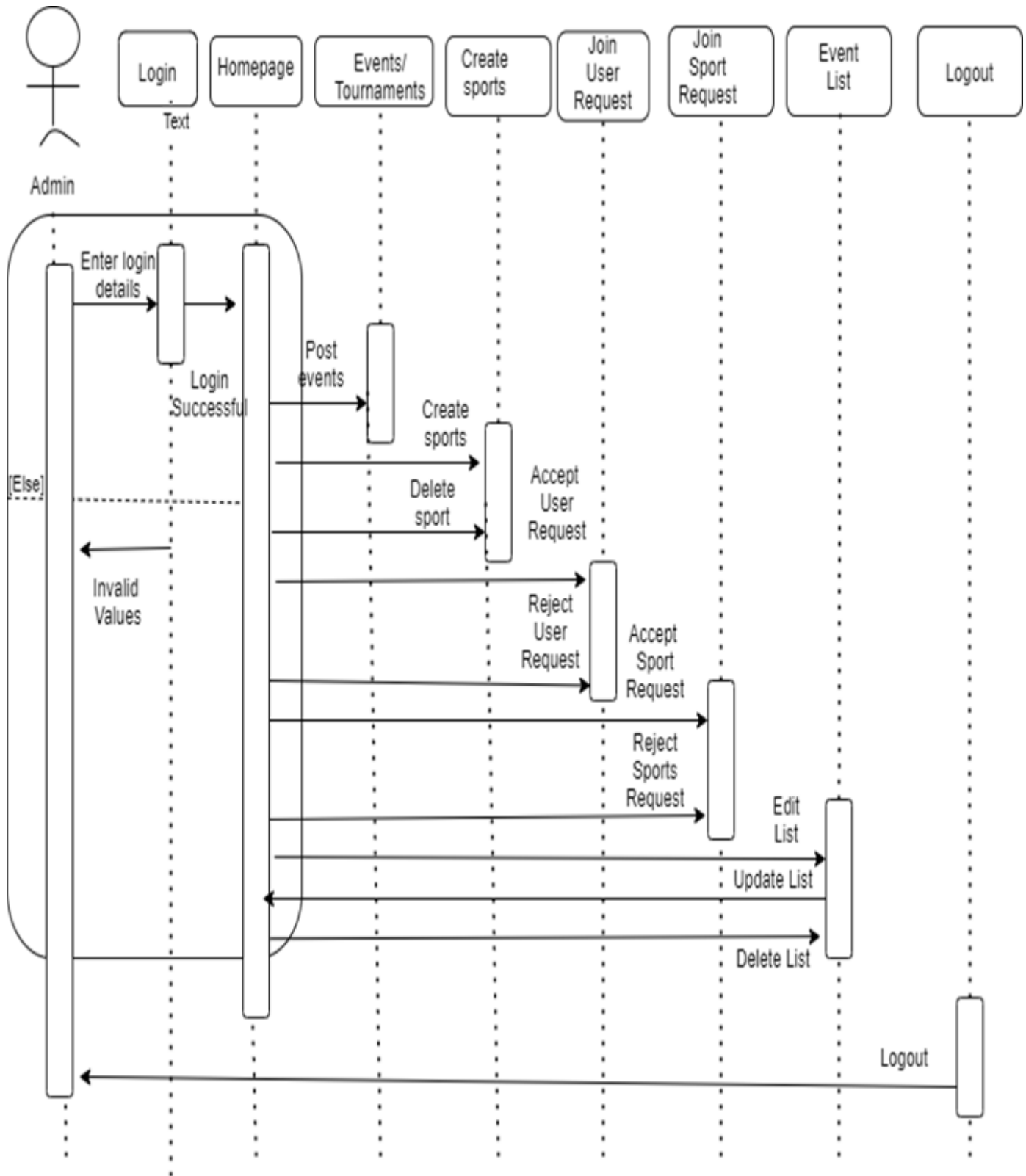


Sequence Diagram

■ User



Admin



Database Design

1. Admininfo

Field	Type	Null	Key	Default	Extra
id	int	NO	PRI	NULL	auto_increment
username	varchar(30)	NO		NULL	
name	varchar(200)	NO		NULL	
gender	varchar(10)	NO		NULL	
password	varchar(100)	NO		NULL	

2. Studentinfo

Field	Type	Null	Key	Default	Extra
id	int	NO	PRI	NULL	auto_increment
clubname	varchar(100)	NO		NULL	
name	varchar(100)	NO		NULL	
username	varchar(25)	NO	PRI	NULL	
gender	varchar(10)	NO		NULL	
dob	varchar(100)	NO		NULL	
phone	varchar(11)	NO		NULL	
email	varchar(50)	NO		NULL	
password	varchar(100)	NO		NULL	
is_active	varchar(1)	YES		N	
dateTime	varchar(100)	YES		NULL	
clubID	varchar(20)	YES		NULL	
show_Event	varchar(10)	NO		Y	

3. clubinfo

Field	Type	Null	Key	Default	Extra
club_ID	int	NO	PRI	NULL	
club_Name	varchar(100)	NO		NULL	

4. club_relation

Field	Type	Null	Key	Default	Extra
id	int	NO	PRI	NULL	auto_increment
club_ID	varchar(20)	NO		NULL	
club_Name	varchar(100)	NO		NULL	
user_ID	varchar(50)	NO		NULL	
status	varchar(20)	NO		N	

5. event_table

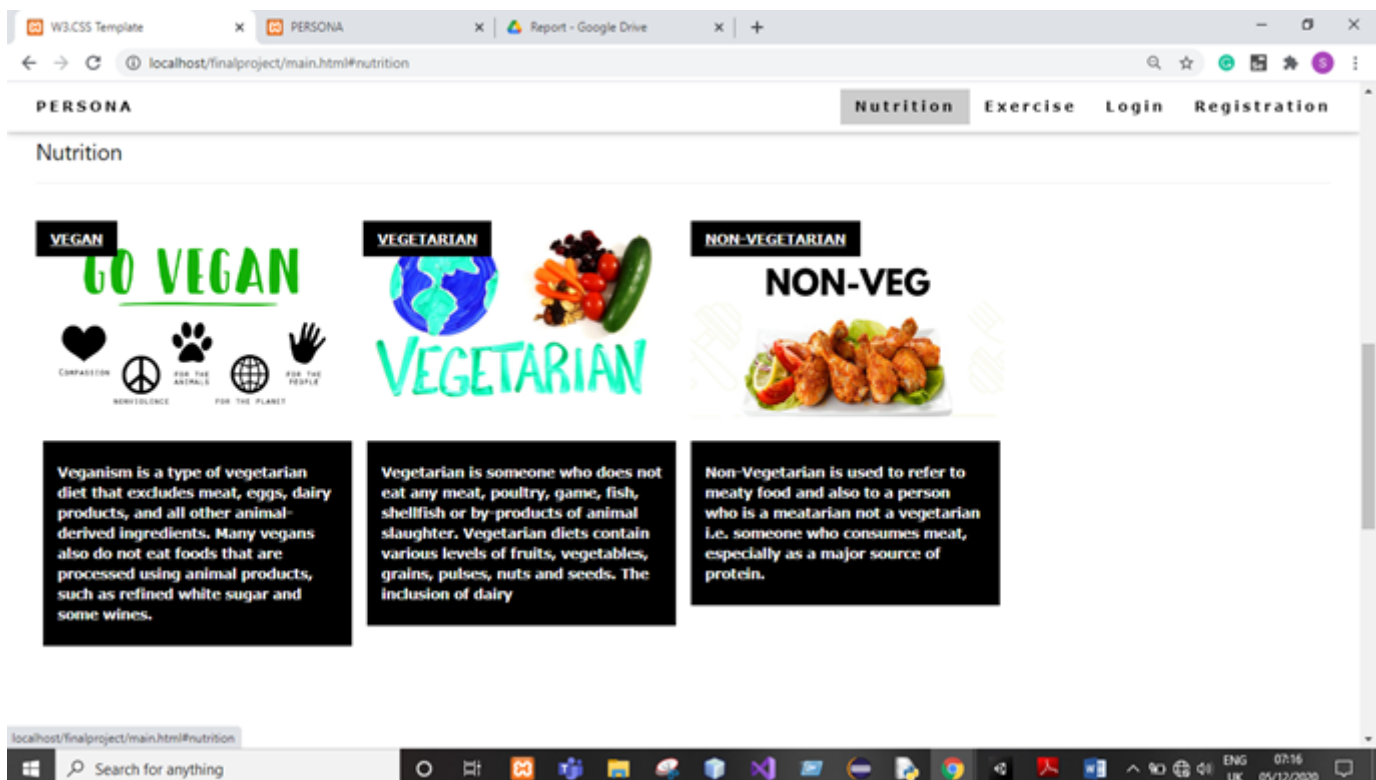
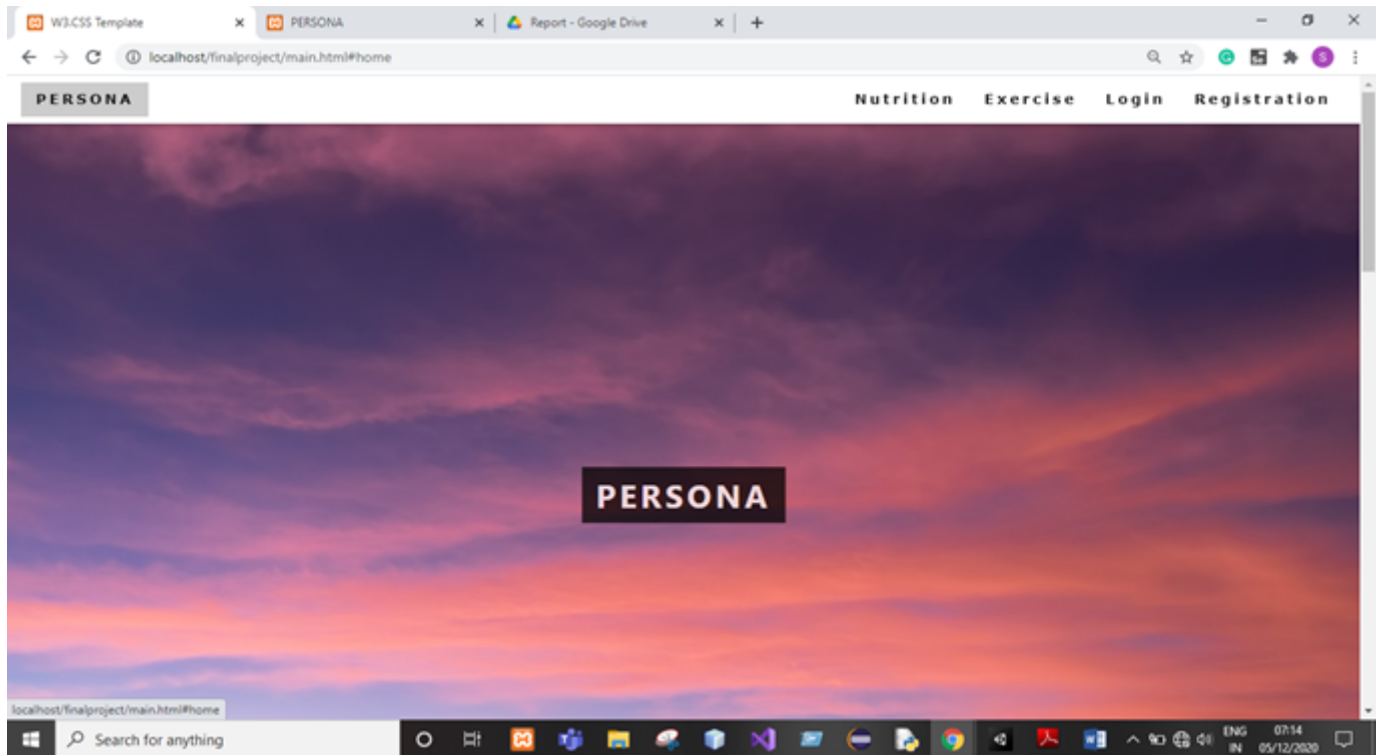
Field	Type	Null	Key	Default	Extra
id	int	NO	PRI	NULL	auto_increment
event_head	varchar(200)	NO		NULL	
event_detail	varchar(500)	NO		NULL	
venue	varchar(100)	NO		NULL	
teams	varchar(50)	NO		NULL	
date	varchar(20)	NO		NULL	
time	varchar(20)	NO		NULL	
event_img	varchar(1000)	NO		NULL	
club_ID	varchar(20)	NO		NULL	

6. event_join

Field	Type	Null	Key	Default	Extra
id	int	NO	PRI	NULL	auto_increment
event_ID	int	NO		NULL	
club_ID	int	NO		NULL	
joined_Member_ID	varchar(50)	NO		NULL	
show_Event	varchar(5)	NO		Y	

Screenshots of Web Application


Landing Page:



W3.CSS Template PERSONA Report - Google Drive localhost/finalproject/main.html#exercise


PERSONA Nutrition Exercise Login Registration

Exercise




CORE/STOMACH

Core exercises train the muscles in your pelvis, lower back, hips and abdomen to work in harmony. This leads to better balance and stability, whether on the playing field or in daily activities. In fact, most sports and other physical activities depend on stable core muscles.



LEGS

Many leg exercises are compound movements, which means they engage many muscle groups. Squats, for example, engage your quads, hamstrings, glutes, inner and outer thighs, of course, but they also really activate your core!



ARMS

The upper body is for good running performance. The abdominal and back muscles play a vital role in upper body stability, reducing unnecessary movements and increasing forward propulsion. Efficient energy transfer from the body to the legs is all about proper arm technique and providing the legs with optimal support. Additionally, well developed arm muscles can protect the skeleton from injury.

localhost/finalproject/main.html#exercise

Search for anything

07:16 05/12/2020

Login Page:

Sign In PERSONA Report - Google Drive localhost/finalproject/login.php

PERSONA Sports Management System

Sign in with ID and Password

ID

Password

Remember me

[Sign in](#)

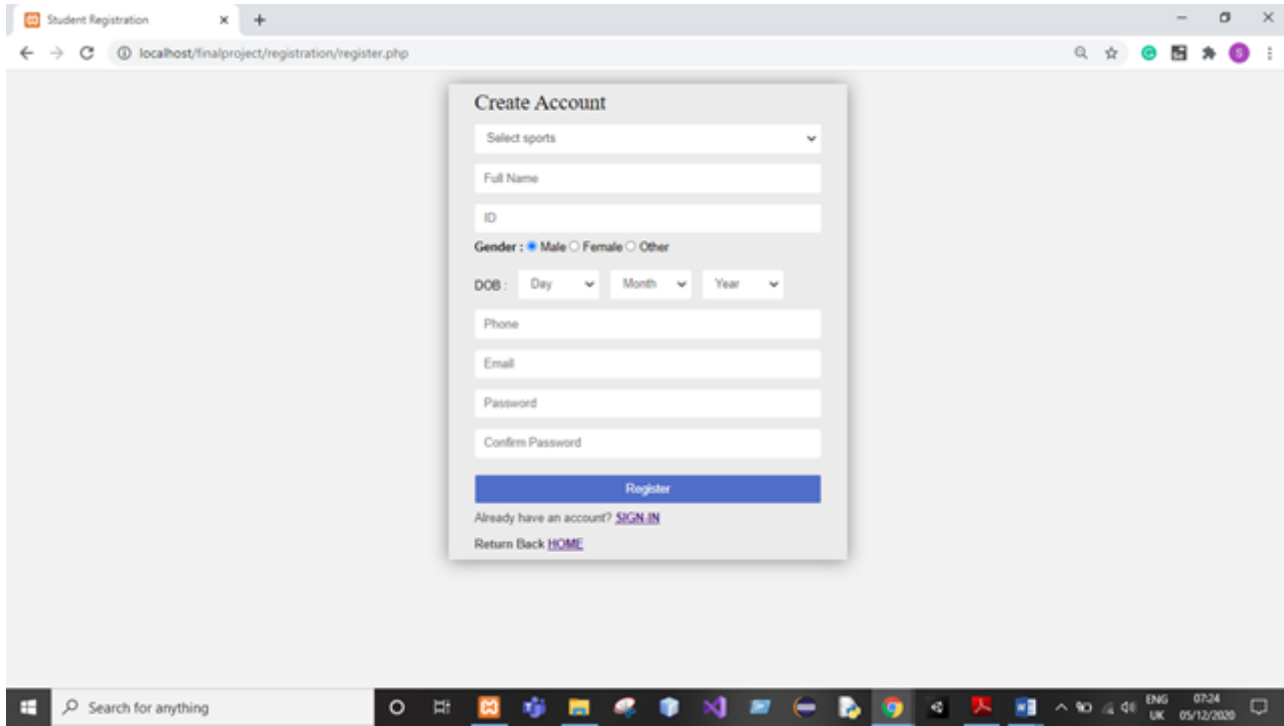
or, Create Account [Sign up](#)

[Return Back HOME](#)

Search for anything

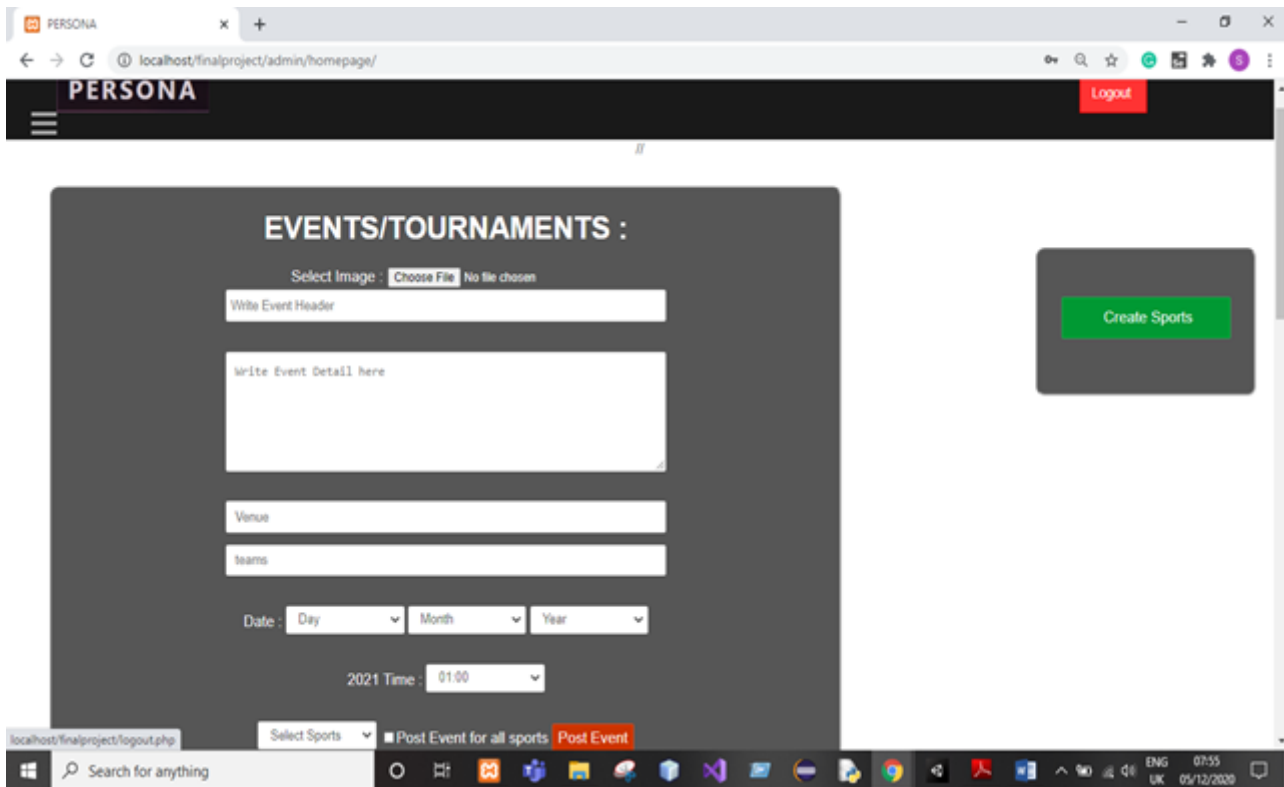
07:17 05/12/2020

Signup Page:

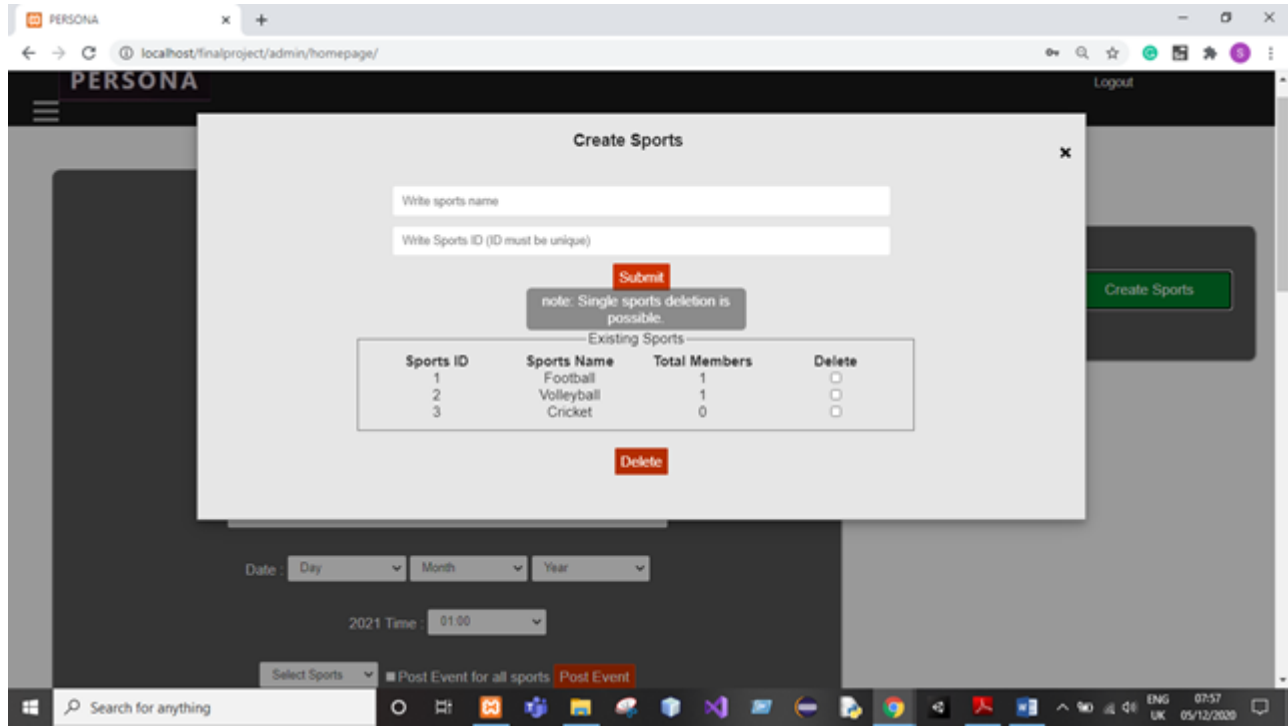


Admin Side

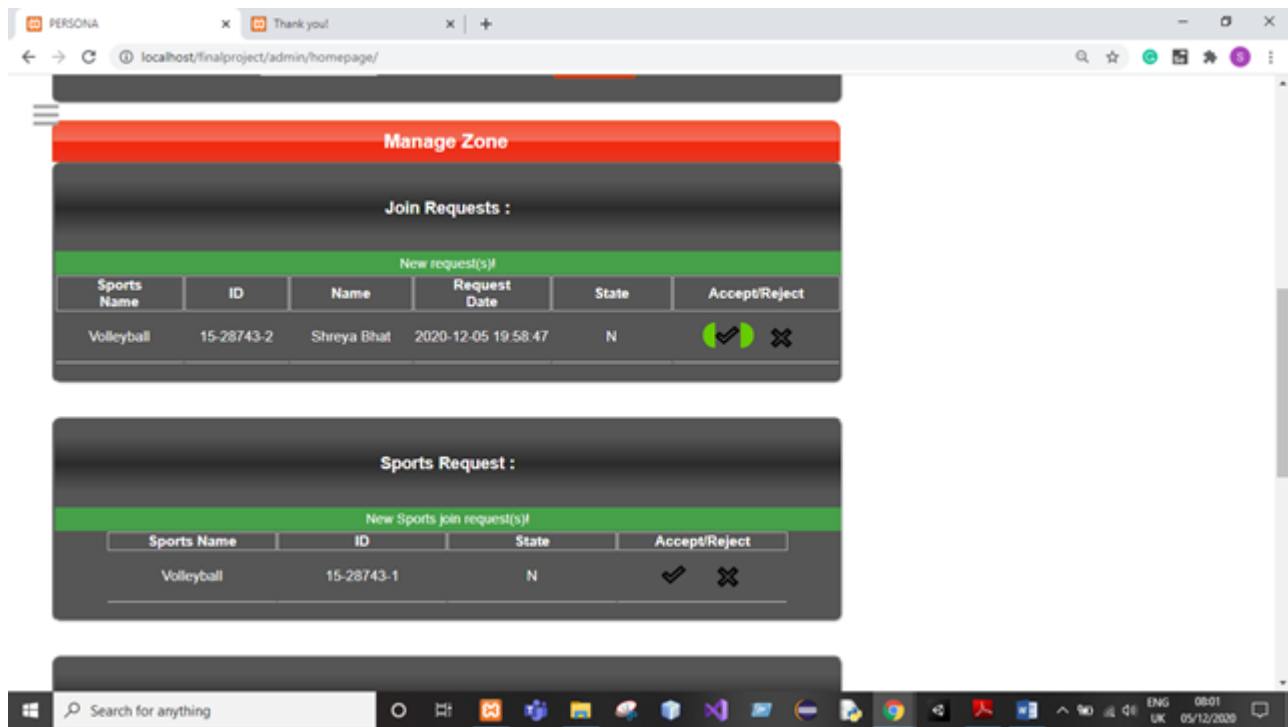
Create Event



Create/Delete Sports



Accept/Reject User request & Accept/Reject Sports request



Show all users & Show events /Edit/Update the events

The screenshot shows a web application interface with two main sections. The top section, titled 'Recently Joined Members', contains a table with the following data:

Sports Name	ID	Name	Request Date	State
Volleyball	15-28743-3	Rashi Shetty	2020-12-05 09:03:21	Y
Football	15-28743-1	Samiksha shetty	2020-12-05 08:44:36	Y

The bottom section, titled 'Event List', features a table with columns: Sports ID, Sports, Name, Detail, Venue, Date, Time, Teams, Edit, and Delete. A 'Delete All' button is located in the top right corner of this section. The table contains three rows of event data:

Sports ID	Sports	Name	Detail	Venue	Date	Time	Teams	Edit	Delete
1	Football	football	Sports fest	bandra	09-07-2021	08:00	7	Update	✕
1	Football	sports	sports fest	sion	08-06-2021	13:00	5	Edit	✕
2	Volleyball	sports	sports fest	sion	08-06-2021	13:00	5	Edit	✕

Go to sports

The screenshot shows a web application interface. At the top, there is a navigation bar with the 'PERSONA' logo, a 'Logout' link, and a 'Go To The Sports' button. Below the navigation bar, there is a large promotional poster for 'SPORTS FEST 2020'. The poster features a man in a black tank top and shorts, and text that reads: 'CHARLESTON ATHLETICS PRESENTS SPORTS FEST 2020 MARCH 30 9:30 PM'. Below the poster, there are three small circular icons. The bottom of the screenshot shows the Windows taskbar with the search bar and system tray.

Join other sports & Accept/Reject events

The screenshot shows a web application interface. On the left is a sidebar with the 'PERSONA' logo and a 'Member Type: General Member' section. The main content area features a 'Join Events' table with the following data:

Name	Venue	Date	Time	teams	Join
sports	sion	08-06-2021	13:00	5	<input type="checkbox"/> <input checked="" type="checkbox"/>
football	bandra	09-07-2021	08:00	7	<input type="checkbox"/> <input checked="" type="checkbox"/>

Below the table is a 'View Details' button. At the bottom of the main content area is a unit converter with input fields for 'Cm:', 'Inch:', and 'Feet:', and a 'Convert!' button.

View Events

The screenshot shows an 'Event Detail' modal window. It displays two event entries with the following details:

Join Status	Image	Event	Detail	Venue
		football	Sports fest	bandra
		sports	sports fest	sion

Convert Length & Check BMI

PERSONA PERSONA

localhost/finalproject/homepage/homepage.php

Cm: 175 Inch: 68.89763779527559 Feet: 5.741469816272966 Convert!

Your Weight(kg): 70

Your Height(cm): 175

Calculate BMI

Your BMI: 22.85714285714285

This Means: That you are healthy.

Reset

Search for anything

ENG 08:18 05/12/2020

Test Cases

Unit Testing:

Unit testing is a testing technique in which modules are tested individually. Small individual units of source code are tested to determine whether it is fit to use or not.

Integration Testing:

Integration testing is the technique in which individual components or modules are grouped together and tested. It occurs after testing. The input for the integrated testing are the modules that have already been unit tested.

System Testing:

System testing is conducted on the entire system as a whole to check whether the system meets its requirements or not. 'Valar Morghulis' was installed on different systems and any errors or bugs that occurred were fixed.

Acceptance Testing:

User Acceptance is defined as a type of testing performed by the Client to certify the system with respect to the requirements that was agreed upon. This testing happens in the final phase of testing before moving the software application to the Market or Production environment

Database Screenshots

1) Studentinfo

	id	clubname	name	username	gender	dob	phone	email	password	is_active	dateTime	clubID	show_Event
<input type="checkbox"/> Edit Copy Delete	94	Football	Samiksha shetty	15-28743-1	female	24/Oct/1999	1234567890	sam@gmail.com	123456	Y	2020-12-05 08:44:36	1	Y
<input type="checkbox"/> Edit Copy Delete	96	Volleyball	Rashi Shetty	15-28743-3	female	5/Apr/2000	1234567894	sam45@gmail.com	123456	Y	2020-12-05 09:03:21	2	Y
<input type="checkbox"/> Edit Copy Delete	97	Volleyball	Shreya Bhat	15-28743-2	female	7/May/2000	6758583467	shreya@gmail.com	123456	N	2020-12-05 19:58:47	2	Y

2) Admininfo

	id	username	name	gender	password
<input type="checkbox"/> Edit Copy Delete	1	0000-000-0	Admin	Male	123456

3) Event_table

	id	event_head	event_detail	venue	teams	date	time	event_img	club_ID
<input type="checkbox"/> Edit Copy Delete	75	football	Sports fest	bandra	7	09-07-2021	08:00	1607138649football.jpg	1
<input type="checkbox"/> Edit Copy Delete	76	sports	sports fest	sion	5	08-06-2021	13:00	1607139294all.jpg	1
<input type="checkbox"/> Edit Copy Delete	77	sports	sports fest	sion	5	08-06-2021	13:00	1607139294all.jpg	2
<input type="checkbox"/> Edit Copy Delete	78	sports	sports fest	sion	5	08-06-2021	13:00	1607139294all.jpg	3

4) Event_join

	id	event_ID	club_ID	joined_Member_ID	show_Event
<input type="checkbox"/> Edit Copy Delete	13	76	1	15-28743-1	N
<input type="checkbox"/> Edit Copy Delete	14	75	1	15-28743-1	Y
<input type="checkbox"/> Edit Copy Delete	15	76	1	15-28743-3	Y

5) clubinfo

	club_ID	club_Name
<input type="checkbox"/> Edit Copy Delete	1	Football
<input type="checkbox"/> Edit Copy Delete	2	Volleyball
<input type="checkbox"/> Edit Copy Delete	3	Cricket

6) club_relation

	id	club_ID	club_Name	user_ID	status
<input type="checkbox"/> Edit Copy Delete	140	1	Football	15-28743-1	Y
<input type="checkbox"/> Edit Copy Delete	142	2	Volleyball	15-28743-1	N
<input type="checkbox"/> Edit Copy Delete	143	2	Volleyball	15-28743-3	Y
<input type="checkbox"/> Edit Copy Delete	144	3	Cricket	15-28743-1	Y
<input type="checkbox"/> Edit Copy Delete	145	2	Volleyball	15-28743-2	N
<input type="checkbox"/> Edit Copy Delete	146	1	Football	15-28743-3	Y

Future Enhancements

- Login using gmail/phone number verification.
- Get notified when admin edits and updates the tournaments.
- Can message the admin if any query.
- Also personalized calender to put up all the important notifications.

Reference

- https://www.w3schools.com/w3css/w3css_templates.asp

- <https://www.w3schools.com/php/default.asp>