



Dharmsinh Desai University, Nadiad
Faculty of Technology
Department of Computer Engineering

A
PROJECT REPORT ON

Online Inter College Event Management System

By

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Subject: SYSTEM DESIGN PRACTICE

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CERTIFICATE

This is to certify that the practical / term work
carried out in the subject of
SYSTEM DESIGN PRACTICE and recorded in this journal is
the bonafide work of

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Abstract

The Online Event Management System will provide the platform for all the colleges to promote their events and help students to participate in the particular event. This system will help to manage the events, participants, easy to get e-certification.

The main objective is to efficiently evaluate the candidate thoroughly through a fully automated system that not only saves a lot of time but also gives fast results. Candidates can Register Own self in different events and evaluate their own self and make a good career in Good organizations.

1. Introduction

1.1 Purpose

In traditional systems students have to visit college to college to gather the students and register them for event. which is time consuming and costly too. Other than this, students need to visit college websites to get information about events which are boring. Event management system will help to overcome issues. This system will also help to manage the past events ,participants, easy to get e-certification.

1.2 Product Scope

With event management system, a Web-based event creation and registration system, end-users will have the ability to either create or register for events at locations of their choosing, with management of the system falling into the event management system team's hands. The system will have separate access for end-user and the event management system team.

2. Overall Description

2.1 Product Perspective

Event management system is an independent website. Every person can use it online without a fee. It is an independent system. People from different cities of India can connect to it and exchange information with other people.

2.2 Product Functions

After visiting the website, the first thing the user will do is login to the system to book the event and access the profile. The user will search the event according to its name or college name or date and time. After selecting the event user can book an event. If organized, the user needs to provide his/her information via Google form or by visiting the college's website. After that, that event is added to that user's bio and E-certification is added after attending the event.

2.3 User Classes and Characteristics

Event management system does not require any specific computer knowledge to use it. Standard users are thought to be from any age, any gender and from any nationality who can use just a computer's browser.

2.4 Operating Environment

Event management system is a website which can be used on any operating system. It can be searched over the Internet using any web browser. So no particular operating environment is required.

2.5 Design and Implementation Constraints

This application is going to be developed in the Django framework.

2.6 Tools/Technologies Used

Technologies :

My Sql, Django 3.8, bootstrap4.

Tools :

Visual Studio Code

GitHub Desktop

Umlet

3. External Interface Requirements

3.1 User Interfaces

1. **Event Organizer** :This user can add, modify and delete the event in the system.
2. **Event attendee** : This user can attend the particular event by doing booking.

3.2 Software Interfaces

Our software can be operable in any operating system environment like Linux, windows or macOS. It can also work in smart phones which supports browsers. SQL databases like MySql are used for data storage. For the communication of the data user must require internet connection.

3.3 Hardware Requirements

No extra hardware is required other than computer/laptop or mobile. Internet connection is must required otherwise application will not work.

3.4 Communications Interfaces

In this software HTTP protocol will be used for the communication purpose. The systems in the department should have any one Web Browser like Mozilla Firefox , Internet Explorer , Google Chrome etc.

4. System features

In this section. All normal and alternative flows of events are organized with the assumption that users or administrators have successfully reached their homepage by logging into the system. This assumption is made in order to describe specifications of the sub-feature.

4.1 Functional requirements

1. Login Module

1.1 Description:

The admin and the normal users can login to their profiles , by giving the authenticated credentials on the login page. After the login is successful , the users (admin and normal users)will be redirected to their respective homepage.

1.2 Stimulus/Response Sequences:

Input: Credentials like Username and Password

Output: User specific homepage if the credentials are valid. Else redirected back to the homepage along with the appropriate error messages.

Action: Redirection to the user specific homepage or the Login Page.

2.Registration Module

When the users use the software for the first time (the normal user) , they will have to provide their details like Username , email , password and Age.

2.1 Register the Personal Details of the normal users

The normal users will be able to enter their personal details like username ,password, email, age to make a user profile in the software.

Input: Personal Details like Username , Password , email and age

Output: Success Message if the details are registered successfully. Else , a suitable Error/Failure message would be displayed.

2.2 Register the Personal Details of the Event Organizer

The normal users will be able to enter their personal details like username ,password, email, age to make a user profile in the software.

Input: Personal Details like username, college name , Password , email

Output: Success Message if the details are registered successfully. Else , a suitable Error/Failure message would be displayed.

3. Student Module

3.1 Profile

3.3.1 Bio

Input: Personal Details like Username , Password , email and age...etc.(user can update)

Output: Success Message if the details are updated successfully. Else , a suitable Error/Failure message would be displayed.

3.3.2 Attended Event

Output :Display attended events

3.3.3 E-certificate (User can Download it)

4. Event Module

4.1 Add Event

Event organizer can add event

Input: Event name, College name, category, Description..etc.

Output: Success Message if the details are added successfully. Else , a suitable Error/Failure message would be displayed.

4.2 Update Event

Event organizer can update event

Input: Event name, College name, category, Description..etc.

Output: Success Message if the details are updated successfully. Else , a suitable Error/Failure message would be displayed.

4.3 Delete Event

Event organizers can Delete events using this.

Input: Event name

Output: Success Message if the details are deleted successfully. Else , a suitable Error/Failure message would be displayed.

4.4 Organized Event

4.4.1 Past Events

Output : Display all past events

4.4.2 Current Events

Output : Display all current events

4.4.3 Upcoming Events

Output : Display all upcoming events

4.5 Winner declaration and E-certification

4.5.1 Winner declaration:

input: Profile, User name, Event name

output: Display details.

4.5.2: E- certification

input: User name

output: Display certificate details.

4.2 Non Functional requirements

1. Performance

1.1 If unable to process the request then show the error message.

1.2 System needs to be reliable.

2. Safety

- 2.1 Users must be authenticated.
- 2.2 The user details are maintained properly.

3. Security

- 3.1 After successful login users can see their profile.

5. Other Nonfunctional Requirements

5.1 Performance Requirements

System shall be available from all over the world at all times. Any interruption in the sharing chain will cause people to give up on another platform. therefore it is essential that the system shall be available at all times. System shall not be affected from the number of active users in the system until half of the registered users become active. Being a worldwide network, assuming that half of the registered users are reaching the website is a legitimate and necessary requirement.

5.2 Security Requirements

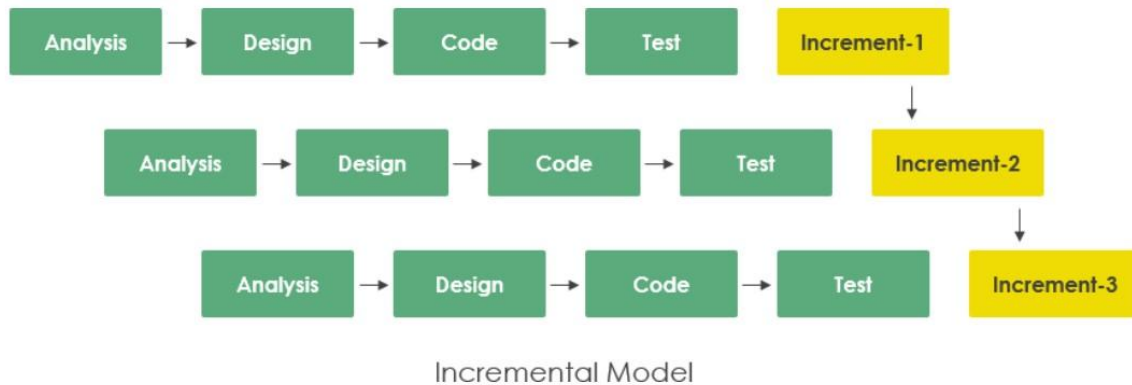
As the account of each user is protected by a user Id and password, any unauthenticated access to the account is not allowed. Also some privacy policies are also applicable to the user.

5.3 Design Requirements

Design of the system shall arrange the content size as compatible for different platforms. such as mobile phones. tablets and desktop computers.

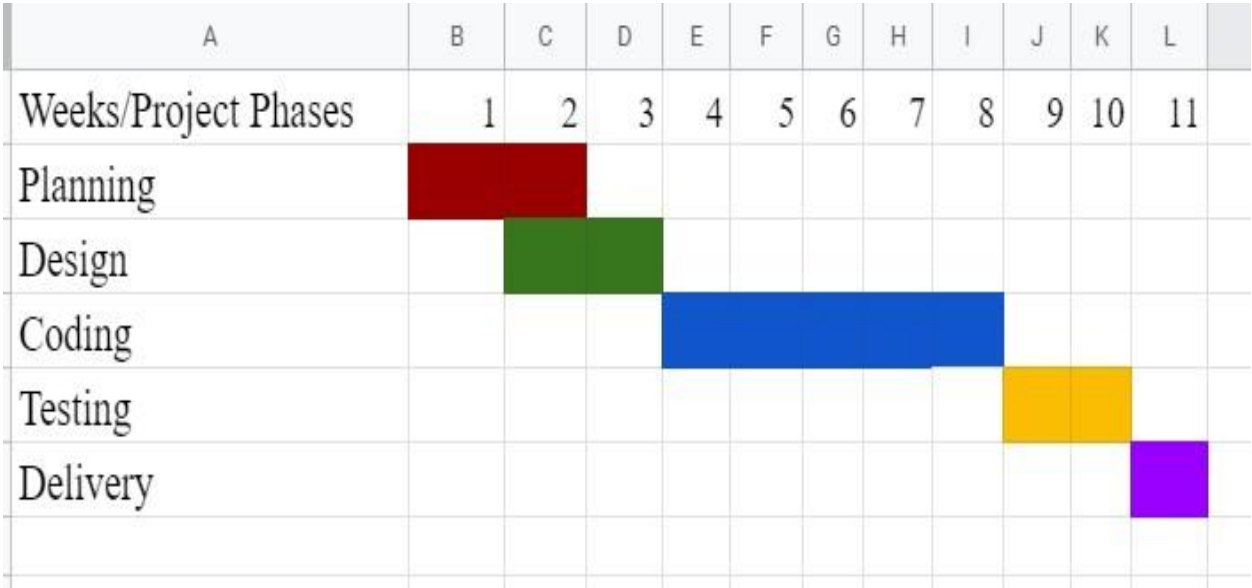
Software Process Model

→ Incremental model



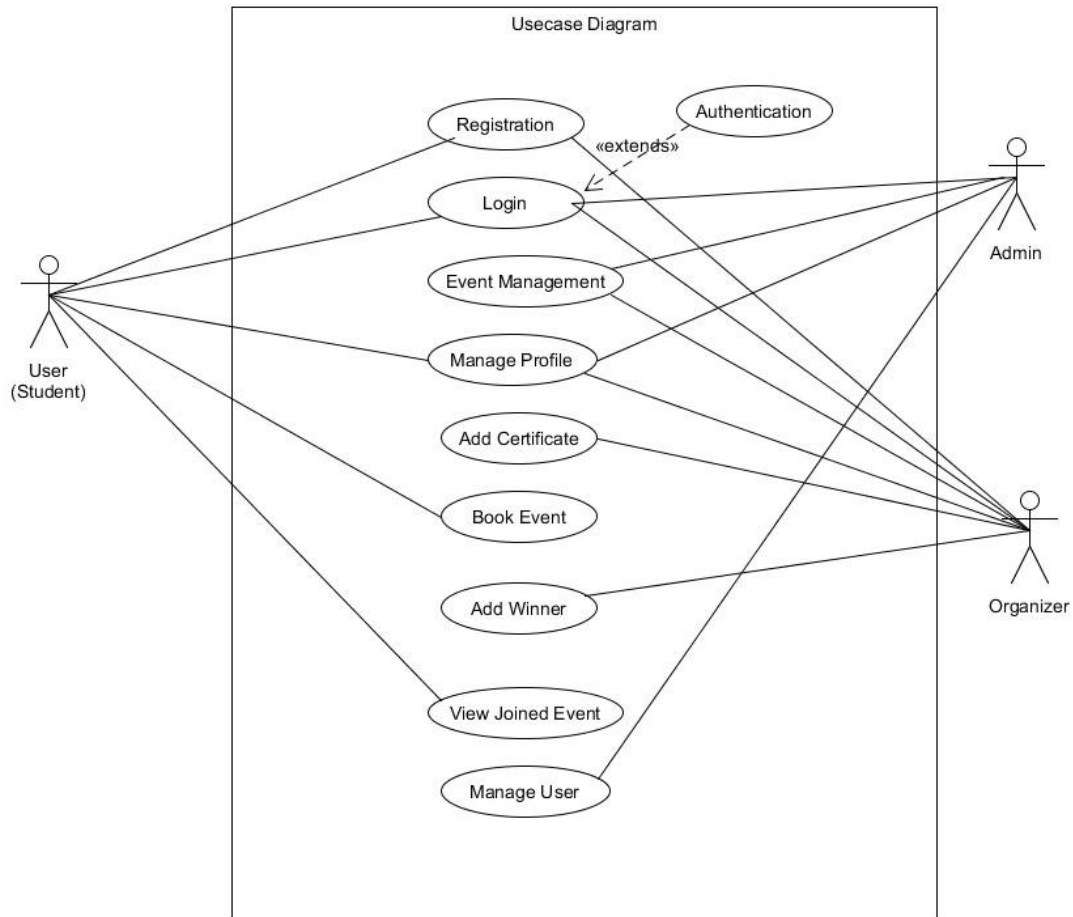
The incremental build model is a method of software development where the model is designed, implemented and tested incrementally (a little more is added each time) until the product is finished. It involves both development and maintenance. The product is defined as finished when it satisfies all of its requirements. Each iteration passes through the requirements, design, coding and testing phases. And each subsequent release of the system adds function to the previous release until all designed functionally has been implemented. Here by following the above model we have implemented our project on weekly bases.

Timeline Chart

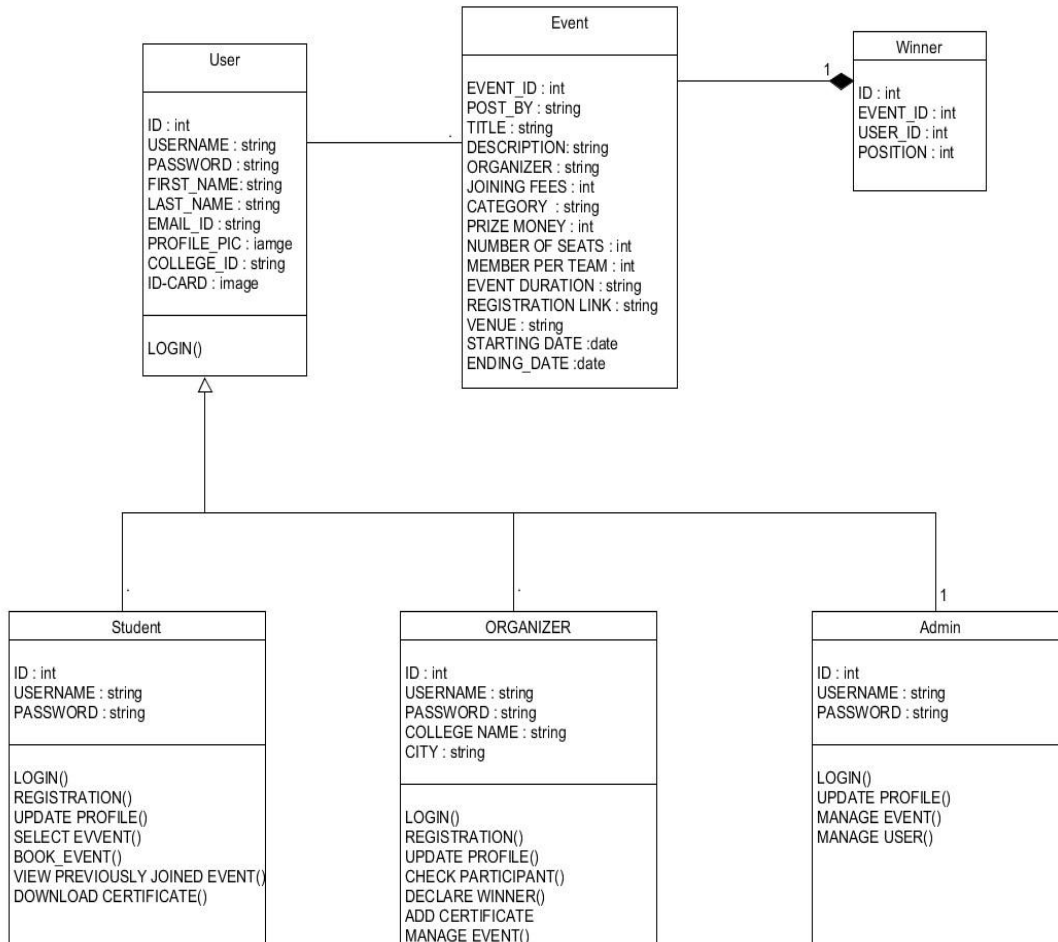


Design

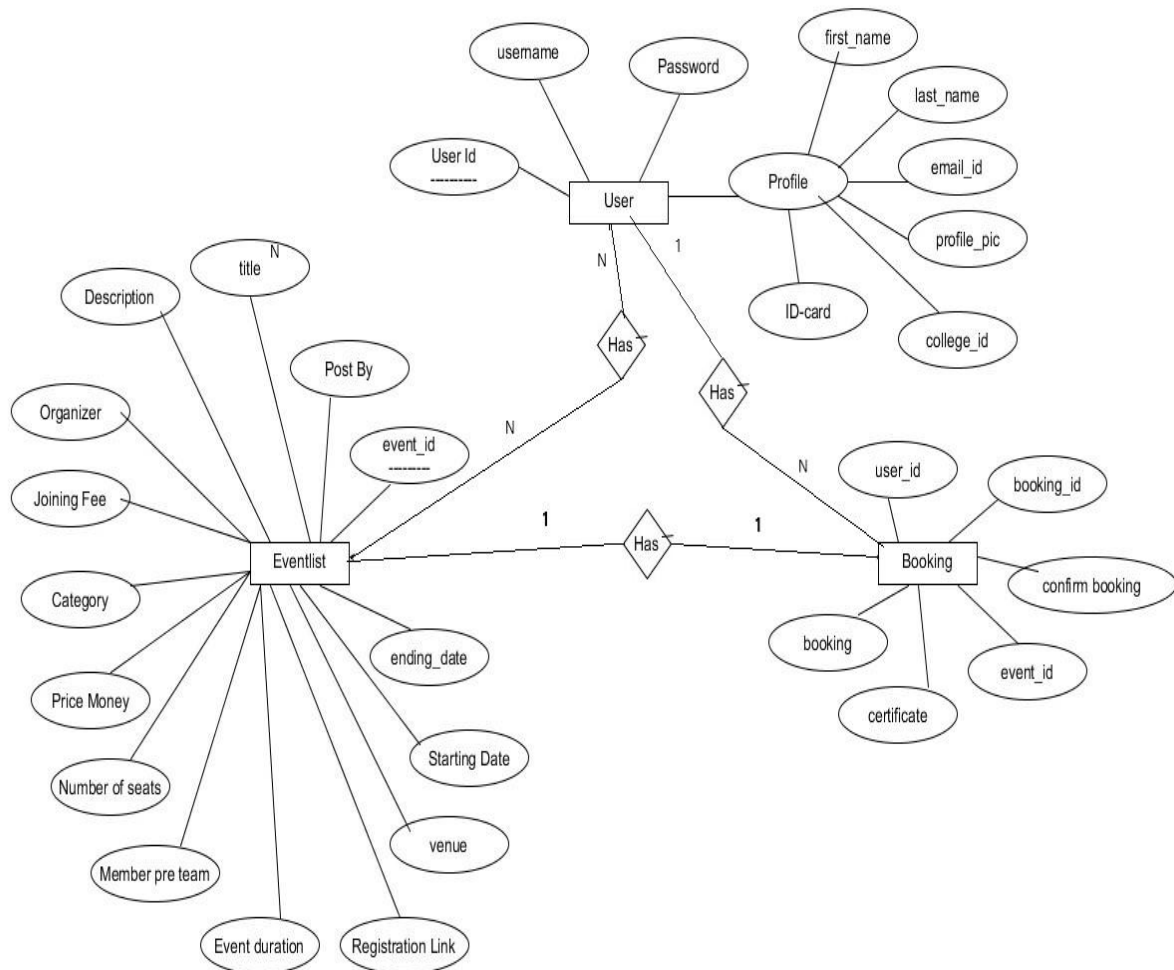
1)USE CASE DIAGRAM:



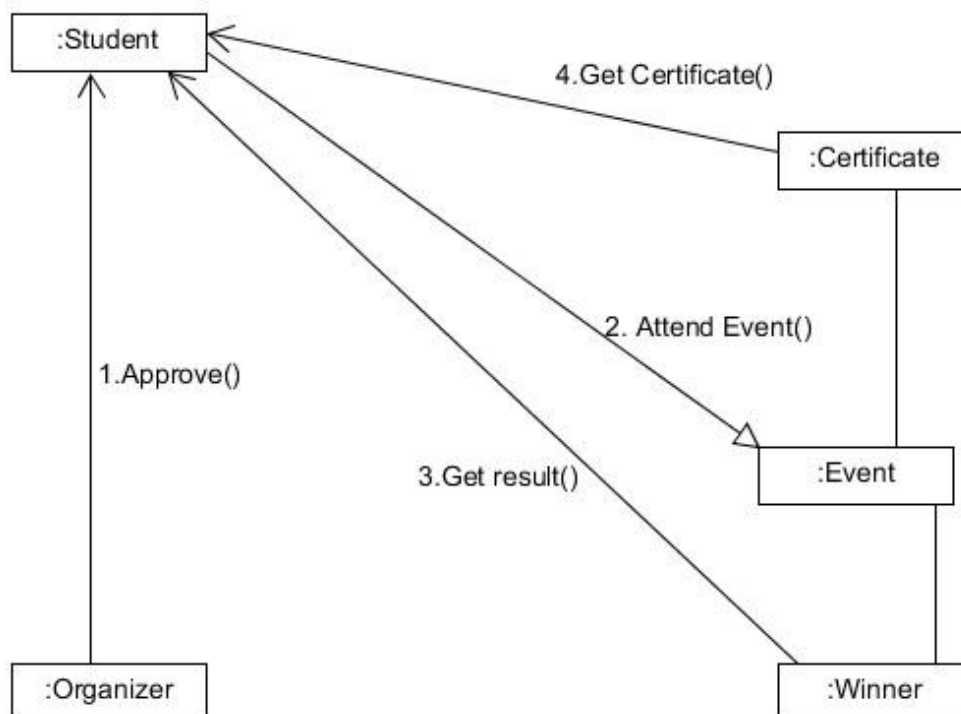
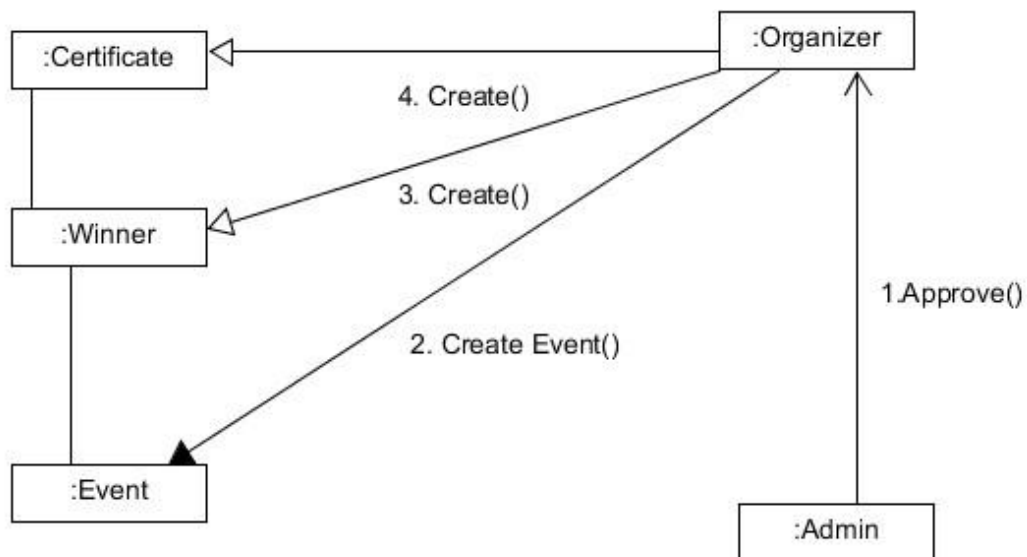
2) CLASS DIAGRAM:



3)ER DIAGRAM:

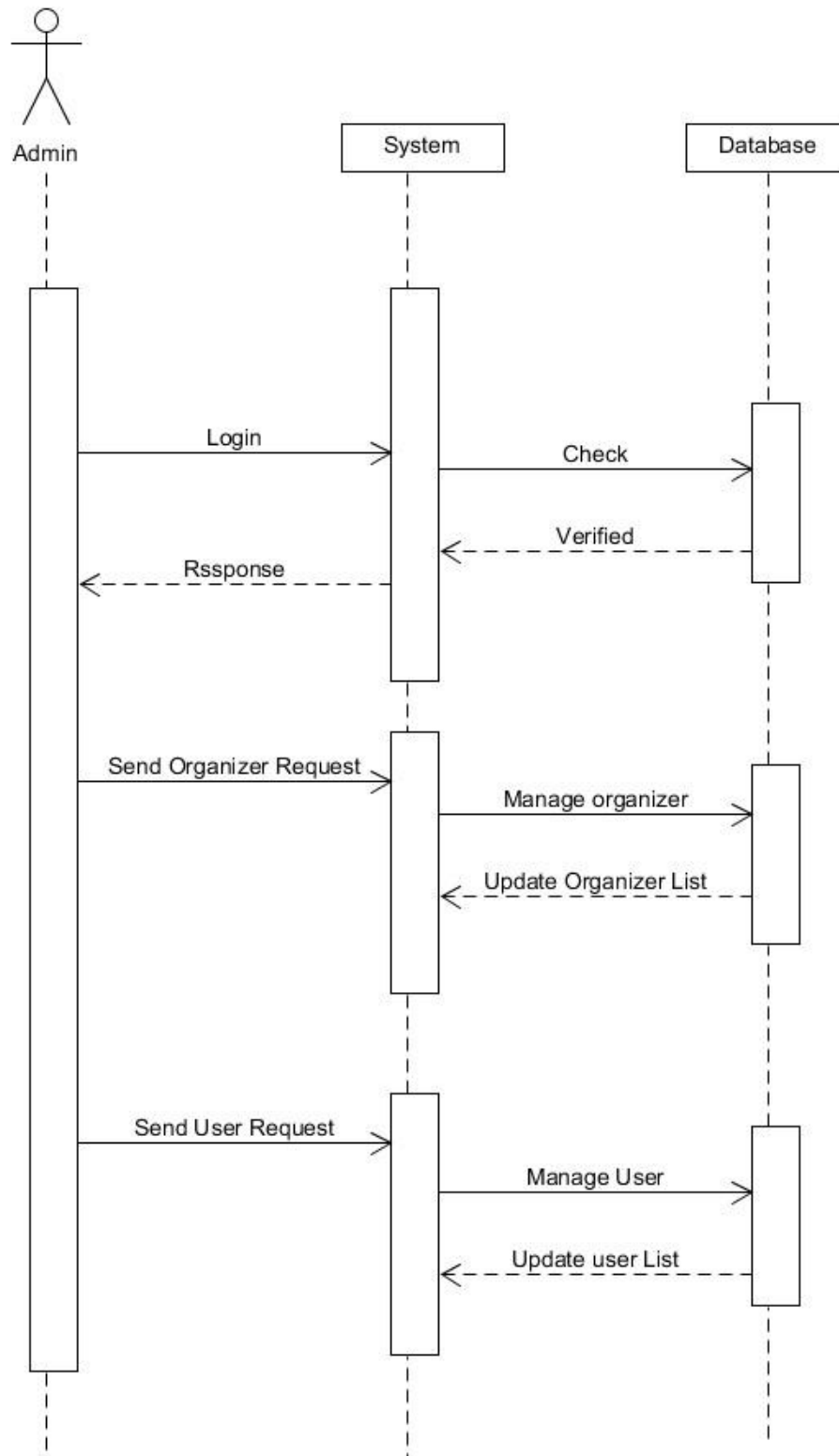


4)COLLABORATION DIAGRAM:

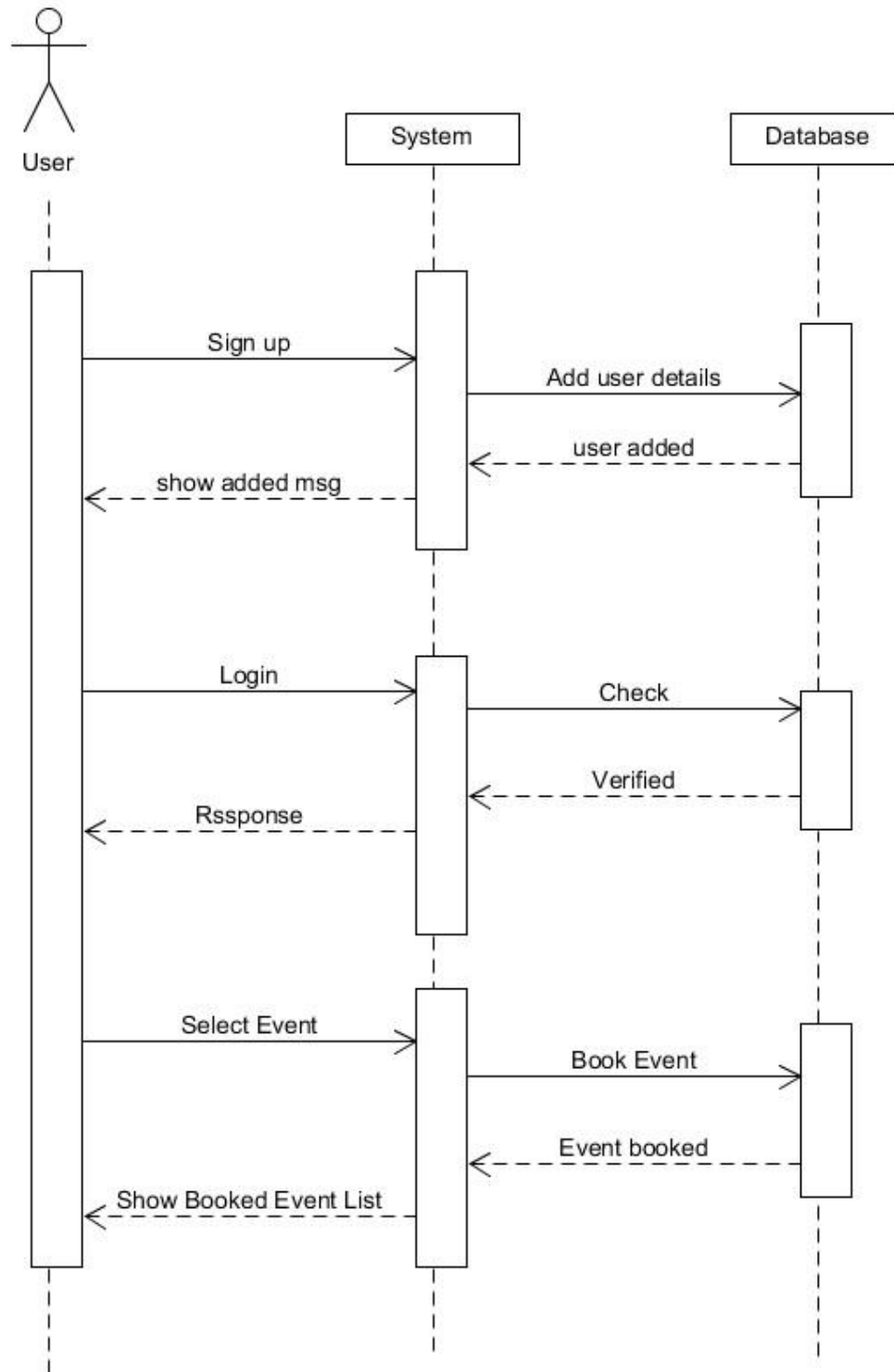


5) SEQUENCE DIAGRAM:

5.1) FOR ADMIN:



5.2) FOR USER:



5.3)FOR ORGANIZER:

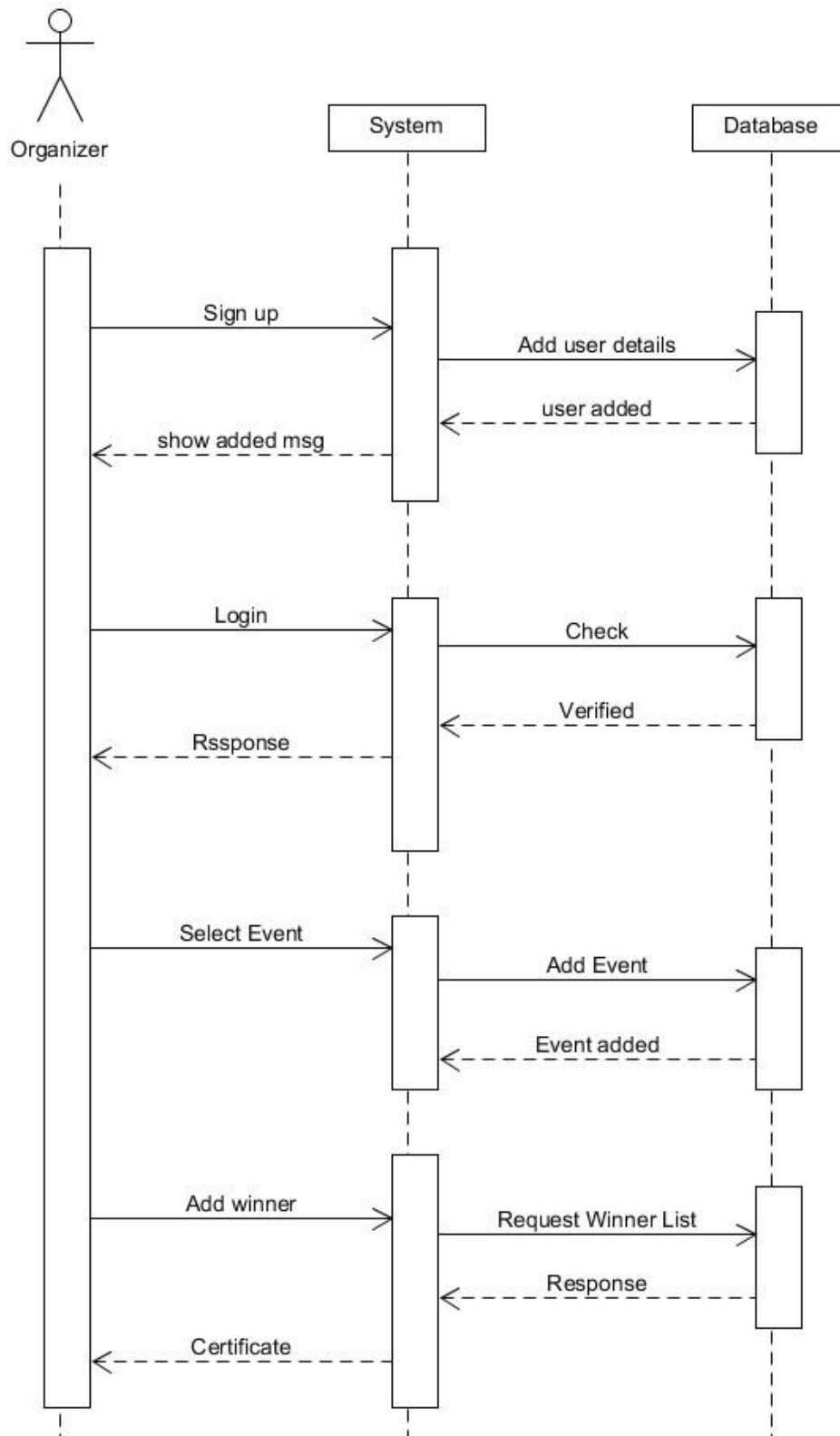


TABLE DESIGN

1) User:

Sr. No	Field name	Datatype	Size	Required	PK/F
1	Username	CharField	20	Yes	Yes
2	Email	EmailField	20	Yes	No
3	Fisrt Name	CharField	20	Yes	No
4	Last Name	CharField	20	Yes	No
5	Password	Password	20	Yes	No
6	Profile	ImageField	-	Yes	No
7	Idcard	ImageField	-	Yes	No
8	Id Number	CharField	20	Yes	No
9	About	TextField	100	Yes	No

2) Event Booking:

Sr. No	Field name	Datatype	Size	Required	PK/F
1	userid	CharField	100	Yes	Yes
2	eventid	CharField	100	Yes	Yes
3	booking	BooleanField	-	Yes	No
4	booking_ confirmed	BooleanField	-	Yes	No
5	attended	BooleanField	-	Yes	No

6	certificate	BooleanField	-	Yes	No
---	-------------	--------------	---	-----	----

3) EventList:

Sr. No	Field name	Datatype	Size	Required	PK/F
1	postby	CharField	20	Yes	Yes
2	thumbnail	ImageField	-	Yes	No
3	title	CharField	100	Yes	No
4	description	TextField	5000	Yes	No
5	organizer	CharField	20	Yes	No
6	joining fees	CharField	10	Yes	No
7	pricemoney	CharField	10	Yes	No
8	members	CharField	5	Yes	No
9	link	CharField	100	Yes	No
10	Eventtime	CharField	10	Yes	No
11	venue	TextField	1000	Yes	No
12	StartingDate	DateTimeField	-	Yes	No
13	Ending Date	DateTimeField	-	Yes	No
14	Category	CharField	100	Yes	No
15	number of seats	CharField	10	Yes	No

Testing(Black Box)

→ **Test Case:**

Module name	Field Input	Expected output	Actual output
Login	Username & Password (true input)	Redirect to Home page	Redirect to Home page
User Registration	User Details	Warning message & Successfully Registered	Warning message & Successfully Registered
Add Event Module	Details of Event	Event Created is appear on screen	Event Created is appear on screen
Event Booking Module	Event Selection	Registration Link	Registration Link
Profile Module	Tabular fields in which all details are present	Details Updated & Warning Message	Details Updated & Warning Message
User Confirmation Module	User Selection	Tabular fields in which all details are present	Tabular fields in which all details are present

ScreenShots of Developed Project

1) For Normal User(Student):

→ **Home page:**

Event Management






Home Profile About

Search Event

Search

Logout

List of all the Events

User	Title	Stating Date
 Darshan 18CEUBG040	Tresure Hunt	March 7, 2021, 9:30 a.m.
 Darshan 18CEUBG040	Musical Night	Feb. 14, 2021, 7:30 p.m.
 demo2 18CEUBG041	Gully Cricket	Feb. 7, 2021, 6 a.m.
 Suman2601 18CEUSF027	Coding	Jan. 26, 2021, 6 p.m.
 Darshan 18CEUBG040	Box cricket	Jan. 25, 2021, 9:47 p.m.

→ **User Details:**


Event Management

Home Profile About

Search Event

Search

Logout



Username : Suman2601

sumanvadhail26@gmail.com

About :

Hello

CollegelD : 18CEUSF027


Evnets Post : 1

→ User Profile:

Event Management

HomeProfileAbout

Logout



Sasuke123

Attendee

About

Hello

DetailsRequested EventConformed EventAttended Event

Personal Details

Username*

Sasuke123

Required. 150 characters or fewer. Letters, digits and @/./+/-/_ only.

Email*

ab@gmail.com

First name

Sasuke

Last name

Uchiha

Idnumber*

19ITUOS029

Image*

Currently: [profile_pics/509087_1920_1080.jpg](#)

Change:

Browse... No file selected.

Idcard*

Currently: [idcard/440.jpg](#)

Change:

Browse... No file selected.

About*

Hello


Update

→ List Of Requested Events :

Event Management

Home Profile About

Logout



Sasuke123
Attendee

About

Hello

Details Requested Event Conformed Event Attended Event

List of all the Events Requested


#	Title	Price-Money	Stating Date	Seats
26	Coding	25000	Jan. 26, 2021, 6 p.m.	10000000000
35	Musical Night	00	Feb. 14, 2021, 7:30 p.m.	800

→ List Of Conformed Events :

Event Management

Home Profile About

Logout



Sasuke123
Attendee

About

Hello

Details Requested Event Conformed Event Attended Event

List of all Conformed Events


#	Title	Price-Money	Stating Date	Seats
26	Coding	25000	Jan. 26, 2021, 6 p.m.	10000000000

→ List Of Attended Events :

Event Management

Home Profile About

Logout



Sasuke123

Attendee

About

Hello

Details Requested Event Conformed Event **Attended Event**

List of all Attended Events


#	Title	Certificate	Download
26	Coding	certificates/Screenshot_2021-03-18_155637.jpg	certificates/Screenshot_2021-03-18_155637.jpg

→ Details Of Event Before Booking :

Event Management

Home Profile About

Search Event Search Logout



Tresure Hunt

PostBy : Darshan

A scavenger hunt is a game in which the organizers prepare a list defining specific items, which the participants seek to gather or complete all items on the list, usually without purchasing them. Usually participants work in small teams, although the rules may allow individuals to participate.

Book Now

Organizer / DDU club

Starting / March 7, 2021, 9:30 a.m.

Category / Sport

Ending / March 07,2021

Venue / DDU campus

Duration / 02:00

1500

Price Money

100

Joining Fee per Team

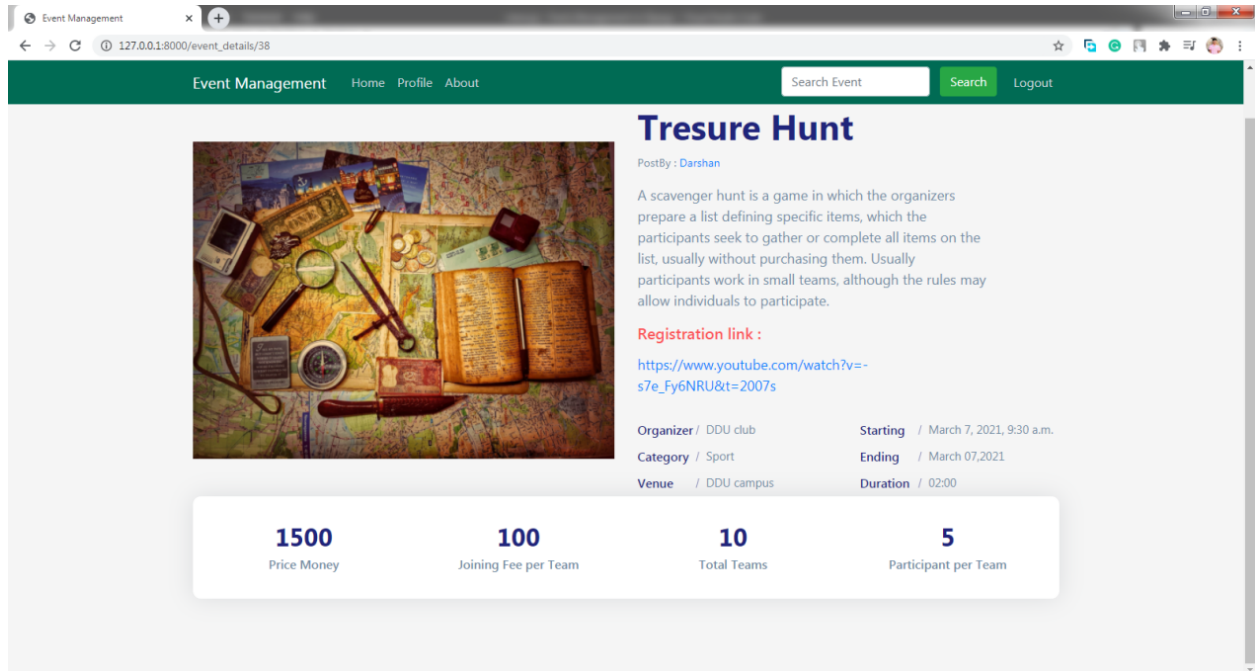
10

Total Teams

5

Participant per Team

→ Details Of Event After Booking :



The screenshot shows a web browser window with the URL `127.0.0.1:8000/event_details/38`. The page has a green header with 'Event Management' and navigation links: Home, Profile, About. A search bar and 'Search' button are on the right, along with a 'Logout' link. The main content area features a large image of treasure hunt items (map, compass, magnifying glass, etc.) on the left. To the right, the event title 'Tresure Hunt' is displayed, followed by 'PostBy : Darshan'. A paragraph describes the game. Below this is a 'Registration link : https://www.youtube.com/watch?v=s7e_Fy6NRU&t=2007s'. Event details are listed: Organizer / DDU club, Category / Sport, Venue / DDU campus, Starting / March 7, 2021, 9:30 a.m., Ending / March 07, 2021, and Duration / 02:00. At the bottom, a white box contains four statistics: Price Money (1500), Joining Fee per Team (100), Total Teams (10), and Participant per Team (5).

Tresure Hunt

PostBy : Darshan

A scavenger hunt is a game in which the organizers prepare a list defining specific items, which the participants seek to gather or complete all items on the list, usually without purchasing them. Usually participants work in small teams, although the rules may allow individuals to participate.

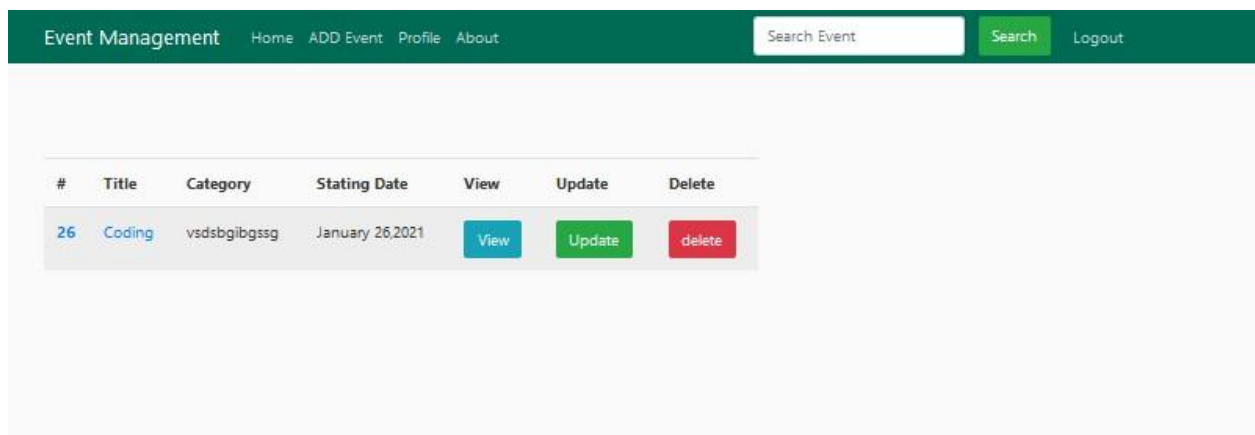
Registration link :
https://www.youtube.com/watch?v=s7e_Fy6NRU&t=2007s

Organizer / DDU club Starting / March 7, 2021, 9:30 a.m.
Category / Sport Ending / March 07, 2021
Venue / DDU campus Duration / 02:00

1500 Price Money	100 Joining Fee per Team	10 Total Teams	5 Participant per Team
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2) For Organizer:

→ Home page:



The screenshot shows the home page for an organizer. The header is green with 'Event Management' and navigation links: Home, ADD Event, Profile, About. A search bar and 'Search' button are on the right, along with a 'Logout' link. The main content area features a table with event details.


#	Title	Category	Stating Date	View	Update	Delete
26	Coding	vdsbgibgssg	January 26,2021	View	Update	delete

→ User Profile:

Event Management

HomeProfileAbout

Logout



Suman2601

Organizer

About

Hello

Personal Details

Username*

Suman2601

Required: 150 characters or fewer. Letters, digits and @/./+/-/_ only.

Email*

sumanvadhel26@gmail.com

First name

Suman

Last name

Vadhel

Idnumber*

18CEUSF027

Image*

Currently: [profile_pics/1044639_tZIAYtJ.png](#)

Change:

Browse... No file selected.

Idcard*

Currently: [idcard/WallpapersGram4k_-_goku-3840x2160-jump-force-4k-15103.jpg](#)

Change:

Browse... No file selected.

About*

Hello

Update

→ Add /Update Event :

Event Details

Organizer *

ABC Club

Event Title *

Treasure Hunt

Event Category *

Sports

Registration Link *

<https://docs.google.com/>

Event Description *

A scavenger hunt is a game in which the organisers prepare a list defining specific items, which the participants seek to gather or complete all items on the list, usually without purchasing them. Usually participants work in small teams, although the rules may allow individuals to participate

Event Timing

Venue *

Nadiad

Event Starting Date *

Event Ending Date *

Event Duration *

-- : -- : --

Participation Details

Joining Fee Per Team *

50

Event Price Money *

500

Members Per Team *

5

Teams Can Participate *

10

SUBMIT

→ User Booking Details For Particular Event :

Event Management

[Home](#)
[ADD Event](#)
[Profile](#)
[About](#)

[Logout](#)

Users of **Coding** Event

#	User	Confirmed Booking	Attended	Unbook	Add Certificate
2	Sasuke123	<input type="button" value="Conform Him"/>	<input type="button" value="Attended ?"/>	<input type="button" value="UnBook Now"/>	<input type="button" value="Browse..."/> <div>No file selected.</div>

→ Login

Event Management

127.0.0.1:8000/login/

Event Management Home About

Search Event

Search

Login Register

Log In

Username*

Password*

Login

Not a User? [Sign Up Now](#)

→ **Register:**

The screenshot shows a web browser window with the address bar displaying '127.0.0.1:8000/register/'. The page title is 'Event Management'. The navigation bar includes links for 'Home' and 'About', a search bar with the placeholder 'Search Event', and buttons for 'Search', 'Login', and 'Register'. The main content area features a registration form titled 'Register Here!'. The form includes input fields for 'Username*', 'Email*', 'First name', 'Last name', 'Password*', and 'Password confirmation*'. Below the password field, there are four bullet points providing password requirements: 'Your password can't be too similar to your other personal information.', 'Your password must contain at least 8 characters.', 'Your password can't be a commonly used password.', and 'Your password can't be entirely numeric.'. A 'Sign Up' button is located at the bottom of the form. A small note below the confirmation field states: 'Enter the same password as before, for verification.'

Event Management

Home About

Search Event Search Login Register

Register Here!

Username*

Required: 150 characters or fewer. Letters, digits and @/./+/-/_ only.

Email*

First name

Last name

Password*

- Your password can't be too similar to your other personal information.
- Your password must contain at least 8 characters.
- Your password can't be a commonly used password.
- Your password can't be entirely numeric.

Password confirmation*

Enter the same password as before, for verification.

Sign Up

Conclusion

The functionalities implemented in the system after understanding all the system modules according to the requirements.

Functionalities That are successfully implemented in the system are :

- User registration containing all the necessary validation on field
- login
- user authentication
- logout
- Event Can be successfully Created With Valid Event Details that are Uploaded By Organizer.
- Students can successfully Book the event and can download the certificate of that event at any time.
- Admin side management

After the implementation and coding of system comprehensive testing was performed on the system to determine the errors and possible flaws in the system.

Limitations and Future Enhancement

- The System has adequate scope for modification in future if it is necessary.
- Refining existing services and adding more service, System security, data security and reliability are the main feature.
- Notification Module is Remaining By which Admin Can send notification to User as well as to Colleges.
- In the future Video/PDF like Resources can be also added for more guidance of Candidate to this platform.

Reference / Bibliography

Following links and websites were referred during the development of this project.

<https://www.google.co.in>

<http://www.wikipedia.org>

<http://www.stackoverflow.com>