

INSTITUTE FOR ADVANCE  
COMPUTING AND  
SOFTWARE  
DEVELOPMENT  
NETCOM JAIPUR



Report On

**“Hikerstop -Trekking Event Management System”**

PG-DAC SEP 2121

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## Table of Contents

<b>1. Introduction .....</b>	<b>5</b>
Problem Statement .....	6
Aim & Objectives.....	6
 <b>2. Overall Description .....</b>	 <b>7</b>
Benefits of Society Management System.....	7
User and Characteristics.....	8
Operating Environment .....	9
Design Implementation .....	10
<b>3. Requirements Specification.....</b>	<b>10</b>
<u>External Interface Requirements</u> .....	10
3.3 Non-Functional Requirements .....	10
<b>4. System Diagram .....</b>	<b>12</b>
Activity Diagram.....	11
Data Flow Diagram. ....	13
Class Diagram .....	15
Usecase Diagram.....	15
 <b>5. Table Structure.....</b>	 <b>23</b>
 <b>6. Future Scope.....</b>	 <b>25</b>
 <b>7. Conclusion .....</b>	 <b>26</b>
 <b>8. References.....</b>	 <b>27</b>

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Last but not the least I would like to thanks all the people who directly indirectly who have helped and encow-aged me in completing the project effectively and time.

## **ABSTRACT**

Trekking is one of the latest trends in tourism in the world. It is treated primarily as a modern form of adventure tourism and geotourism. On one hand, due to the extreme terrain where it can be practiced and a certain dose of adrenaline, is treated as a form of an adventure tourism. The desire to achieve, acquire, and reach out to many of the most difficult places decide on the characteristics of a sports competition. Although, it seems that in today's world all the places have already been discovered, still there may appear new challenges. On the other hand, the beauty of trekking relies on that it is implemented in an extraordinary and stunning natural and geological environment. Although many challenges, tourists are attracted by geodiversity and fascinating landscapes, changing weather conditions or spiritual survival. It is often associated only with mountains, but it must be emphasized that one may distinguish eight types of trekking, these are: mountain, desert, tropical, glacial, polar, river, swamps and volcanic trekking. All of these allow a person to come true in very unusual circumstances. People also discover and learn about their own abilities, both mental and physical. Modern trekker has a much more opportunities of exploration of challenging environments. Comfortable clothing and equipment ensure a high level of safety. Adventurers and explorers functioned quite differently for ages, they were condemned to intuition, and had only to wipe the

## **INTRODUCTION**

Events create opportunities for people to connect with an area, spend time together, celebrate and experience the diversity of cultures and foster creativity and innovation. They allow a community to come alive and provide an opportunity for a destination to showcase its tourism experience and increase economic activity. Events contribute significantly to community building, lifestyle and leisure enhancement, cultural development, tourism promotion and increased visitation, volunteer participation, fundraising and economic development. Most importantly, events create a sense of fun and vibrancy, resulting in a strong sense of community connectivity, pride and a sense of place.

## **Problem Statement**

Adventure activities have become the core products of many tourism destinations. Hiking, which is known to be a soft adventure activity, represents an especially important product for many tourism destinations around the globe and in the European Alps. However, little research has explored hikers' underlying motivation and experiences, which are expected to differ from the hard adventure context, as mountain hiking provides a low risk, but high immersion. This paper aims to determine and explore the underlying dimensions and dynamics of mountain hikers' soft adventure motivation (SAM).

## **Aims & Objectives**

After reading this unit learner will be able:

- To understand the concept of event management
- To study the different types of events
- To analyse the role of creativity in event management process
- To study about the various types of event management structure

## **Benefits of Trekking Event Management System**

The potential benefits of hosting major events from the perspective of the visitor economy include:

1. **Structural expansion of the visitor economy:** Visitors coming to a city or region for an event will contribute to a more buoyant economy, with visitor expenditure having a multiplier effect on incomes throughout related supply chains. With the multiplier effect the host destination shall benefit in terms of employment, income and better standards of living.
2. **Alignment of tourism with other strategies:** The requirements of hosting a major event can be used to, promote an integrated whole-of government approach, and maximise synergies between relevant development and growth infrastructures constructed for events are one of the most visible lasting legacies for a host city or region and can have real impacts for tourism growth.
3. **Marketing and promotion:** Pre-event branding associated with the successful hosting of a major event, can provide lasting recognition of destination branding in key tourism markets, encourage return visitation of attendees or participants, and a better understanding of the focus of the event such as sport, arts and culture, food and wine, etc.
4. **Environmental impacts:** The international focus often associated with major events can help to prioritise work on an often under-developed or neglected built environment and therefore the attractiveness and competitiveness of destinations. In addition, ensuring that events are managed in an environmentally friendly manner is also becoming a high priority in terms of branding.

A positive legacy can encourage community and stakeholder support for an event, represent a tangible return on investment, or justification for public expenditure. However, to achieve a positive result requires strategic planning well in advance of the event, adoption of a long-term perspective and evaluation throughout the event lifecycle, from inception through to the post-event period. Any infrastructure.

## **Users and Characteristics:**

### **Admin:**

- Admin can login to the system.
- View the list of Event.
- Add new Event.
- Delete Event.
- Update event.
- View User Data
- Manage User

### **Customer:**

- Customer can login to the system.
- View his/her details.
- View Events
- View his/her details.
- Customer Can Edit Event
- Customer can Book event
- Customer can View All Book Event



## **Operating Environment:**

### **Server Side:**

**Processor:** Intel® Xeon® processor 3500 series

**HDD:** Minimum 500GB Disk Space

**RAM:** Minimum 2GB OS: Windows 8.1, Linux 6 Database: Oracle 11g

### **Client Side (minimum requirement):**

**Processor:** Intel Dual Core

**HDD:** Minimum 80GB Disk Space

**RAM:** Minimum 1GB

**OS:** Windows 7, Linux

### **Design and Implementation Constraints:**

- The application will use Spring Boot, JavaScript, jQuery and CSS as main web technologies.
- Several types of validations make this web application a secured one and SQL injections can also be prevented.
- Since Event Management system is a web-based application, internet connection must be established.
- The Society Management System will be used on PCs and will function via internet or intranet in any web browser.

### **Specific Requirement:**

#### **External Interface Requirements:**

##### **User Interfaces:**

- All the users will see the same page when they enter in this website. This page asks the users a username and a password.
- After being authenticated by correct username and password, user will be redirected to their corresponding profile where they can do various activities.
- The user interface will be simple and consistent, using terminology commonly understood by intended users of the system. The system will have a simple interface, consistent with standard interface, to eliminate the need for user training of infrequent users.

##### **Hardware Interfaces:**

- No extra hardware interfaces are needed.
- The system will use the standard hardware and data communication resources.
- This includes, but not limited to, general network connection at the server/hosting site, network server and network management tools.

## **Application Interfaces:**

**OS:** Windows 7, Linux

**Web Browser:**

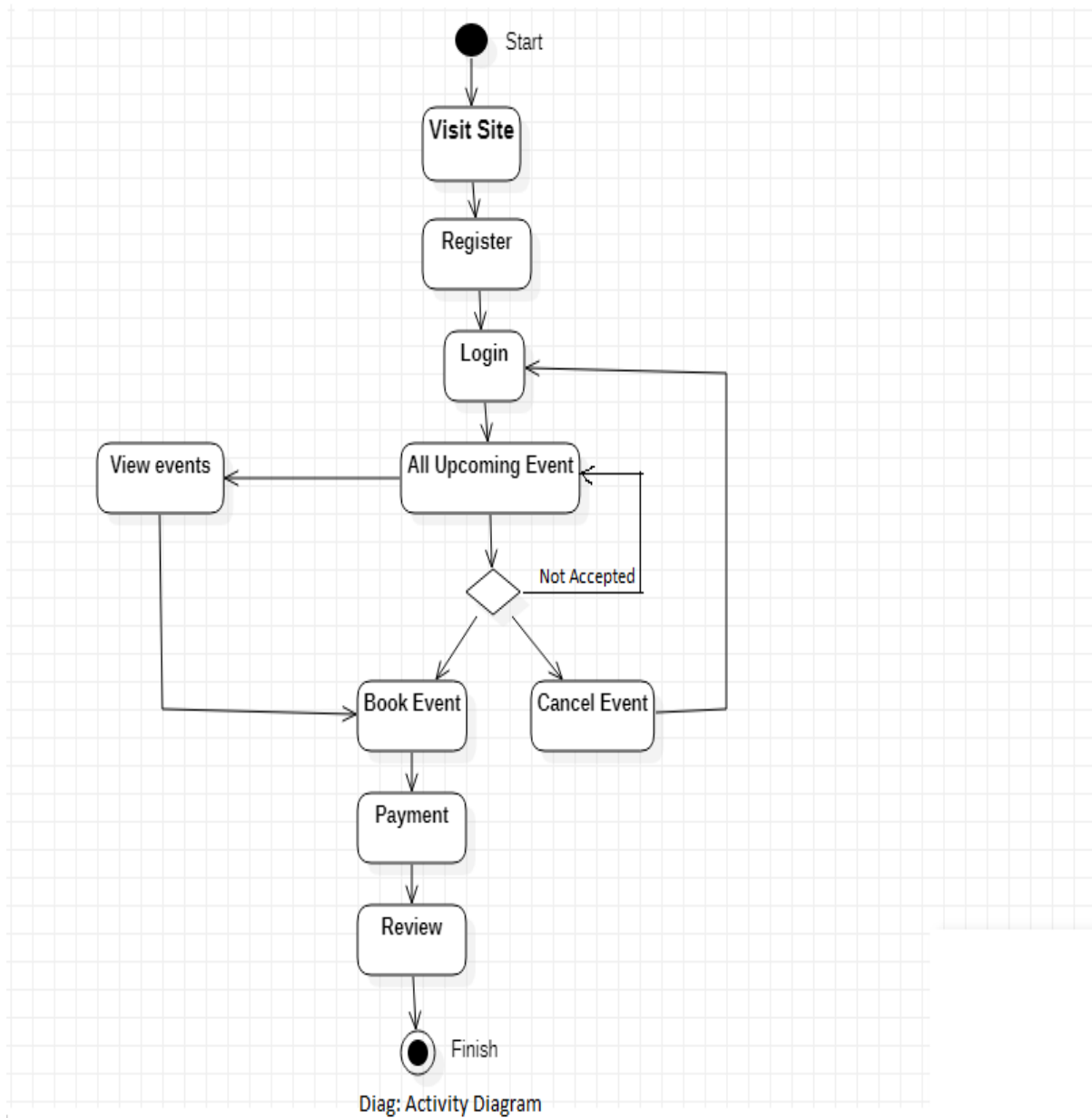
The system is a web-based application; clients need a modern web browser such as Mozilla Firebox, Internet Explorer, Opera, and Chrome. The computer must have an Internet connection in order to be able to access the system.

## **Communications Interfaces:**

This application will communicate with the database that holds all the booking information. Users can contact with server side through HTTP protocol by means of a function that is called HTTP Service. This function allows the application to use the data retrieved by server to fulfil the request fired by the user.

## **System Design:-**

### **Activity Diagram:-**



**Figure 1: Customer Activity Diagram**

## Data Flow Diagram

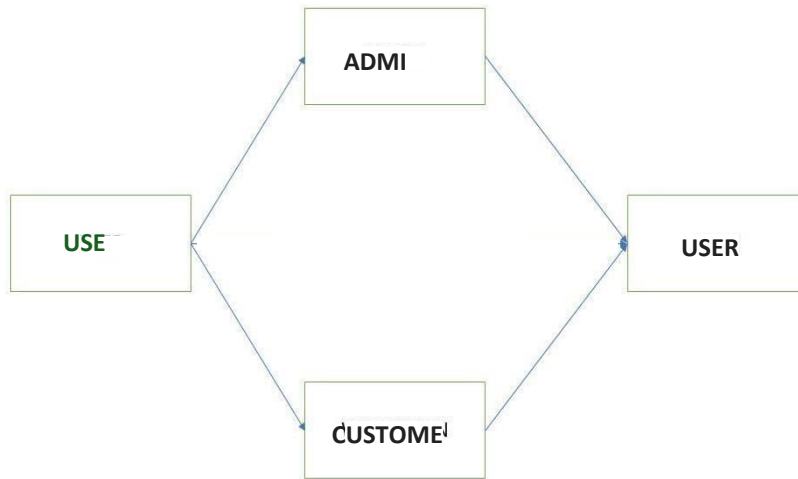


Figure 1: Level 1 Data Flow Diagram

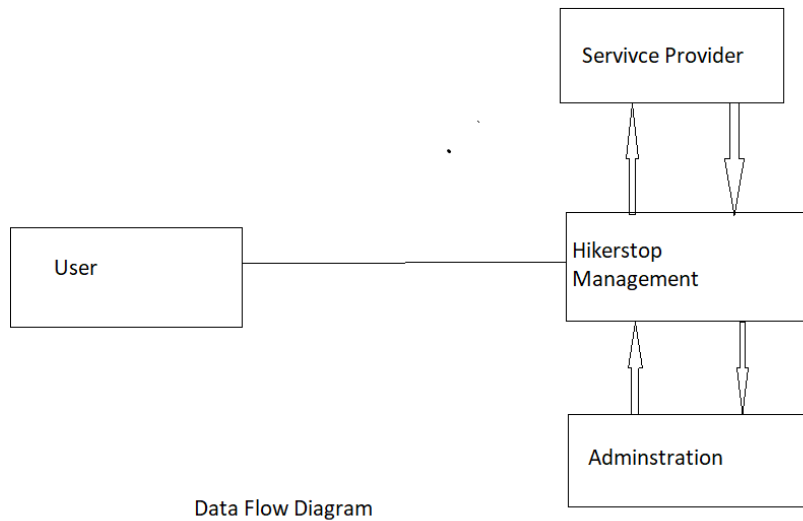
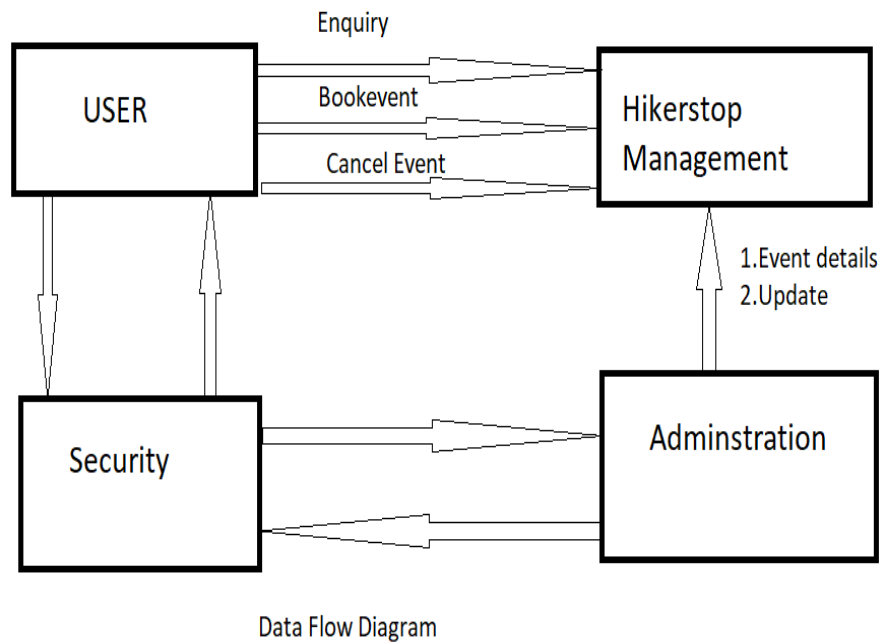
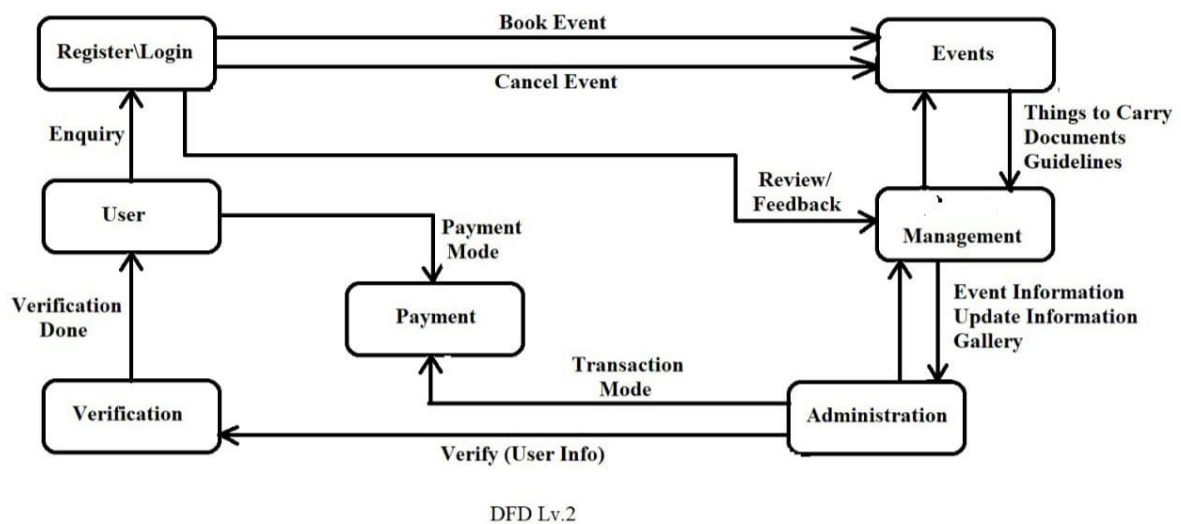


Figure 2: Level 2 Data Flow Diagram



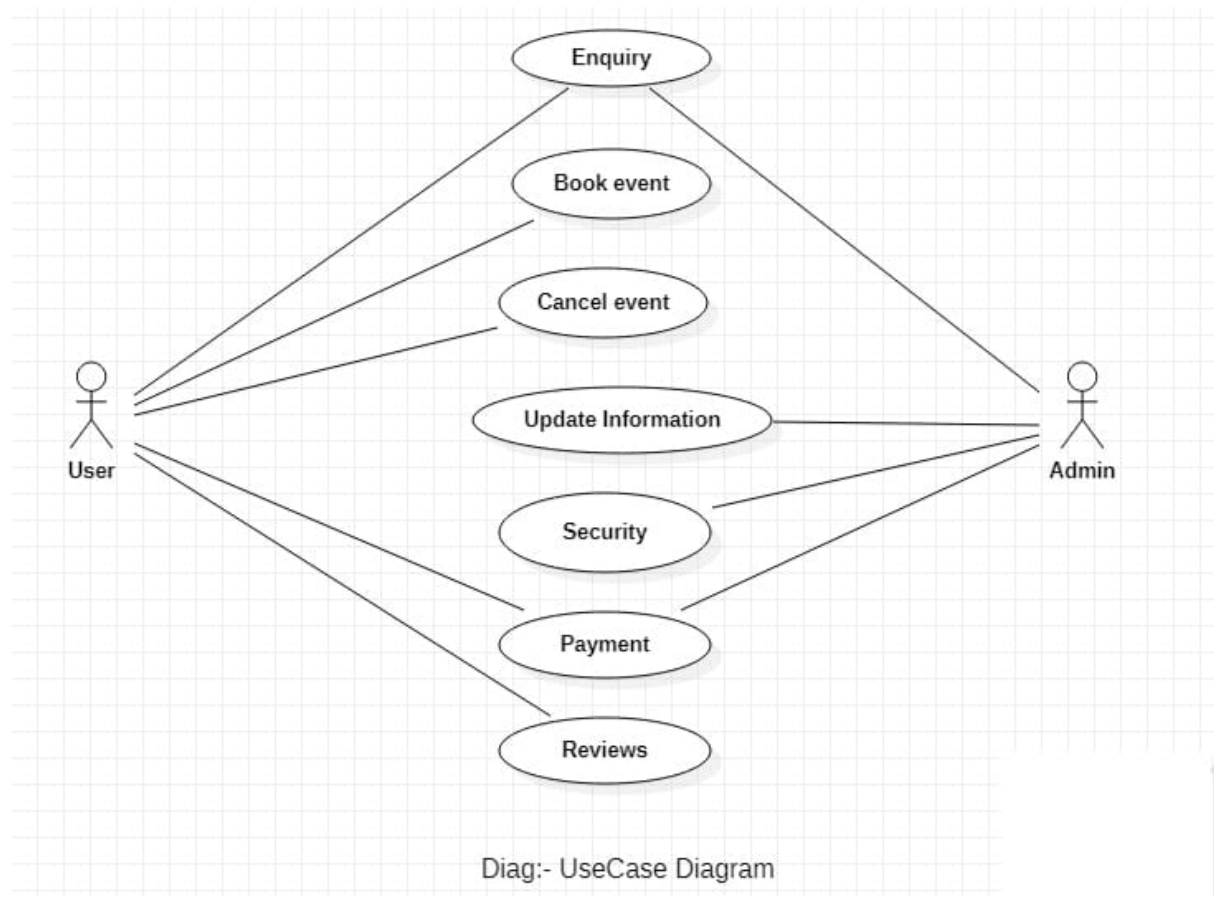

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**Figure 3: Level 3 Data Flow Diagram**



**Figure 4: Level 4 Data Flow Diagram**

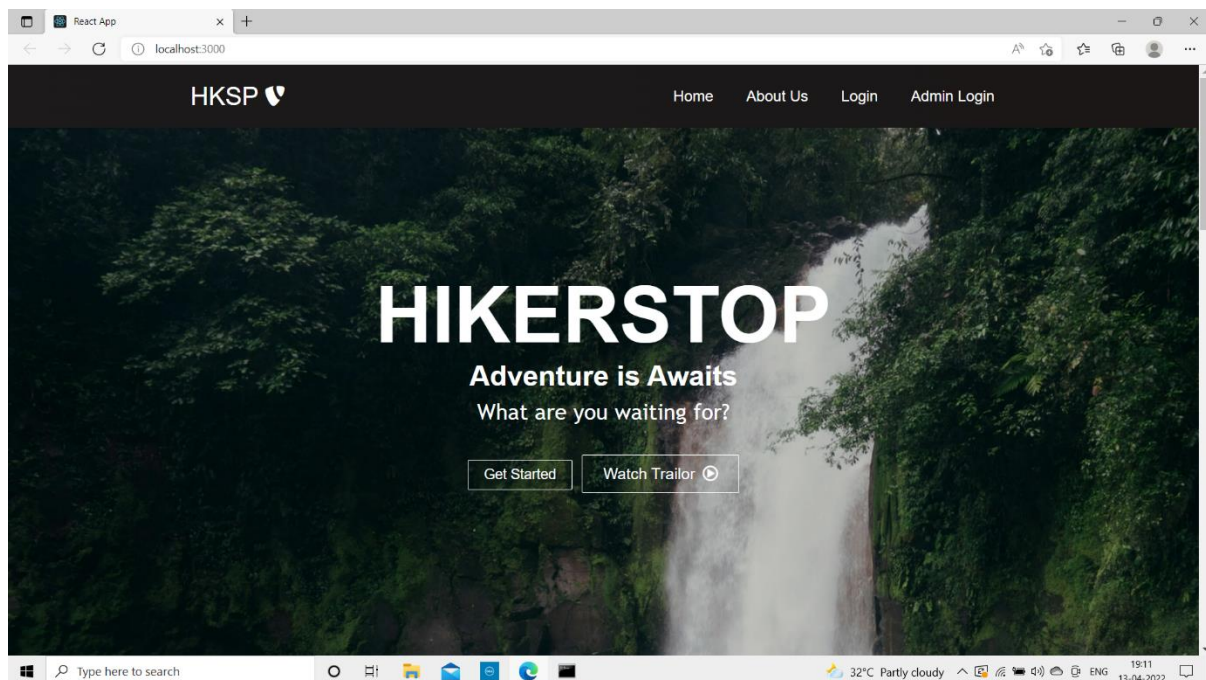
## UseCase Diagram



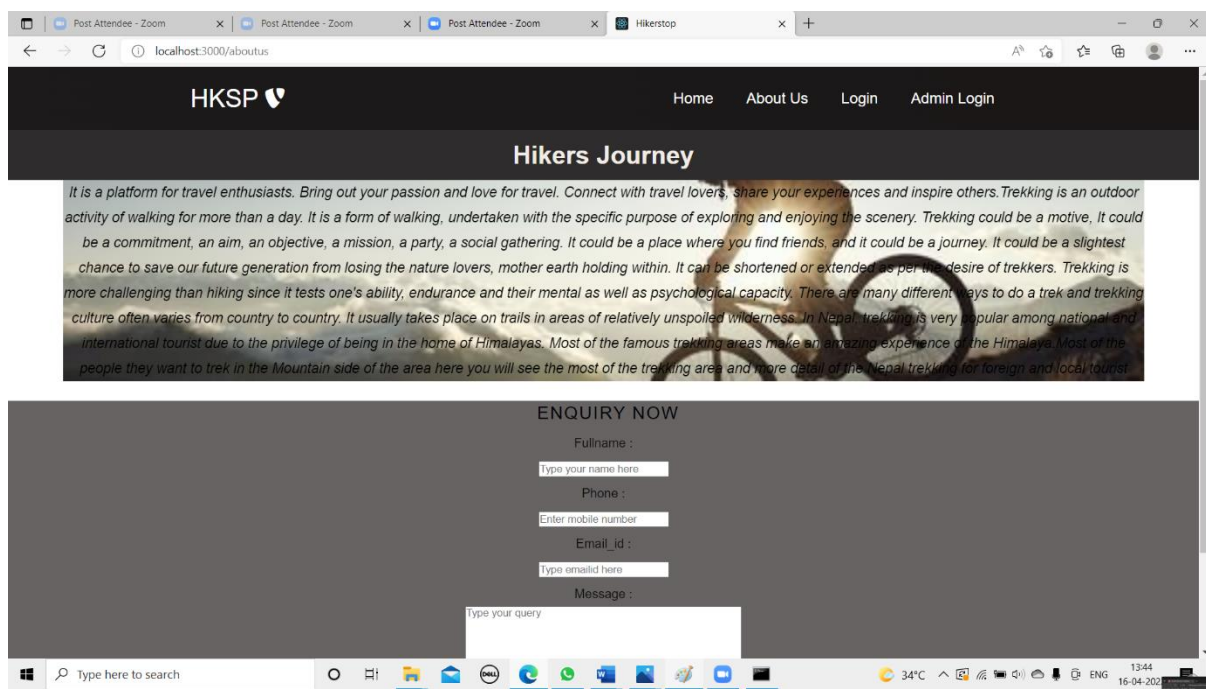
**Figure 5: UseCase Diagram**

## User Interface

### Home Page



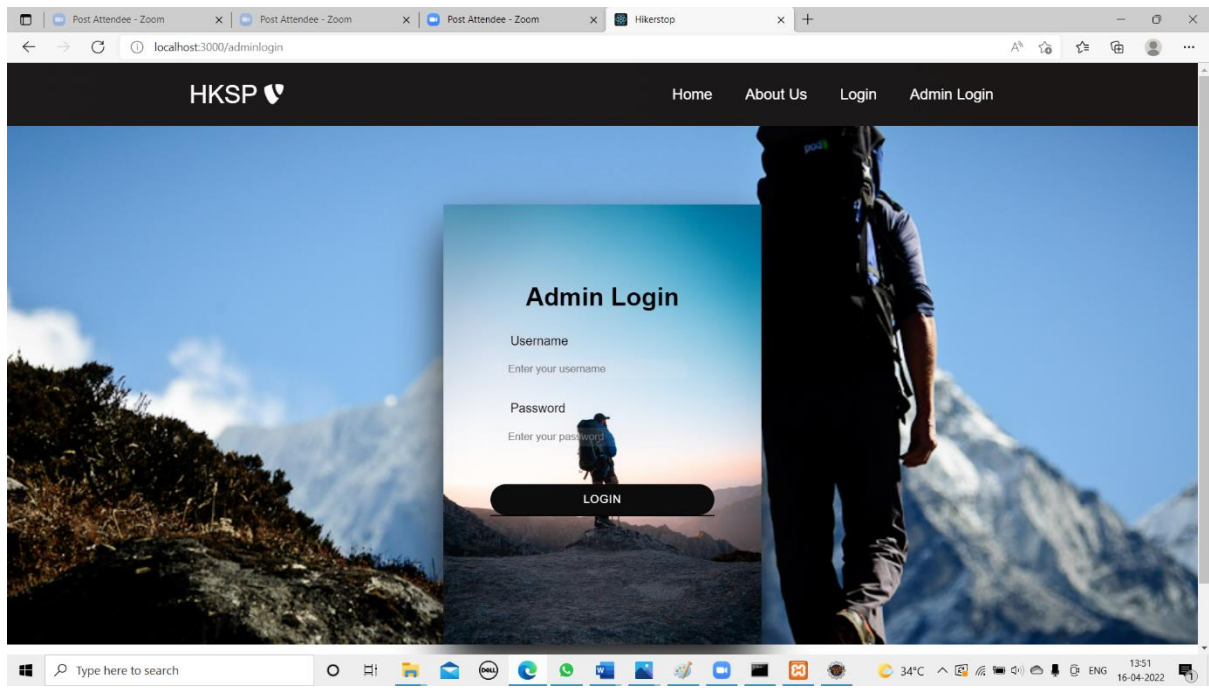
### About Us Page



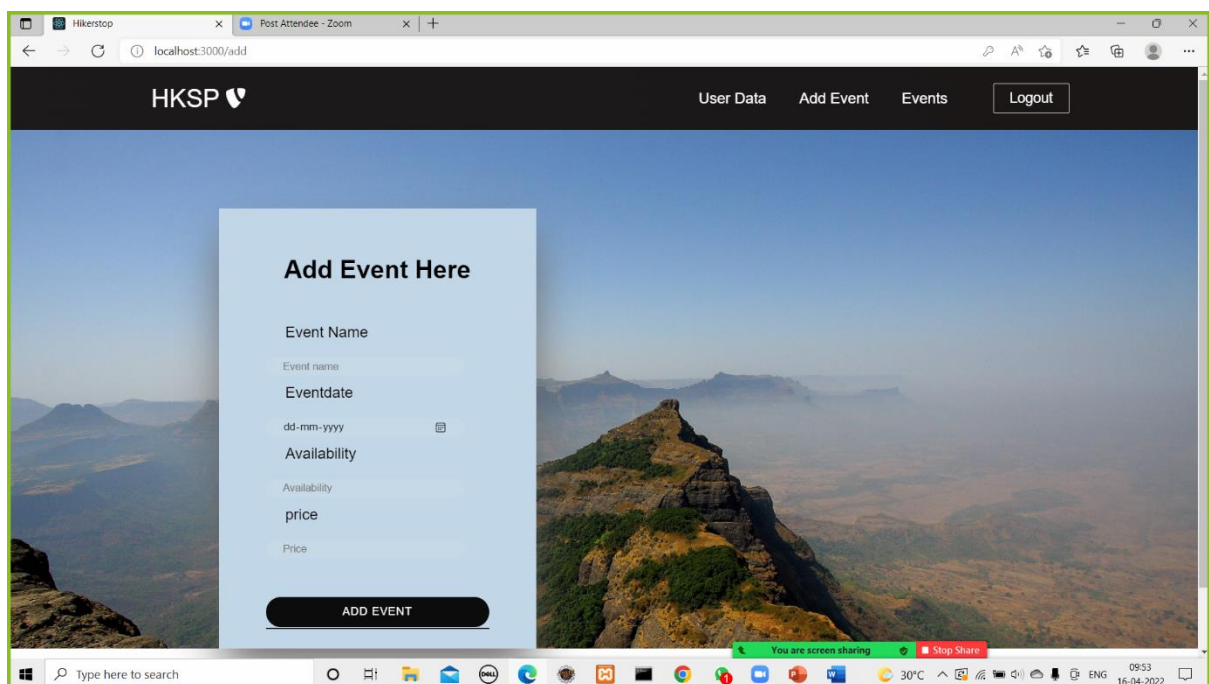


## Admin Control Page

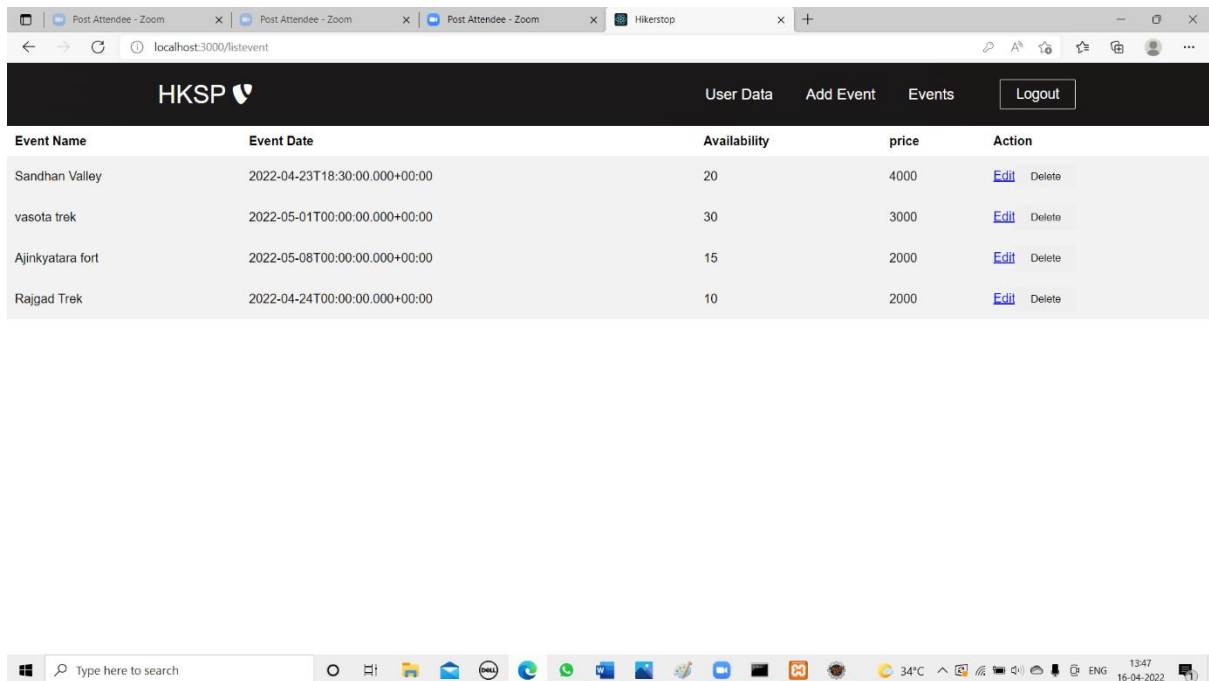
### Admin Login Page



### Add Event Page

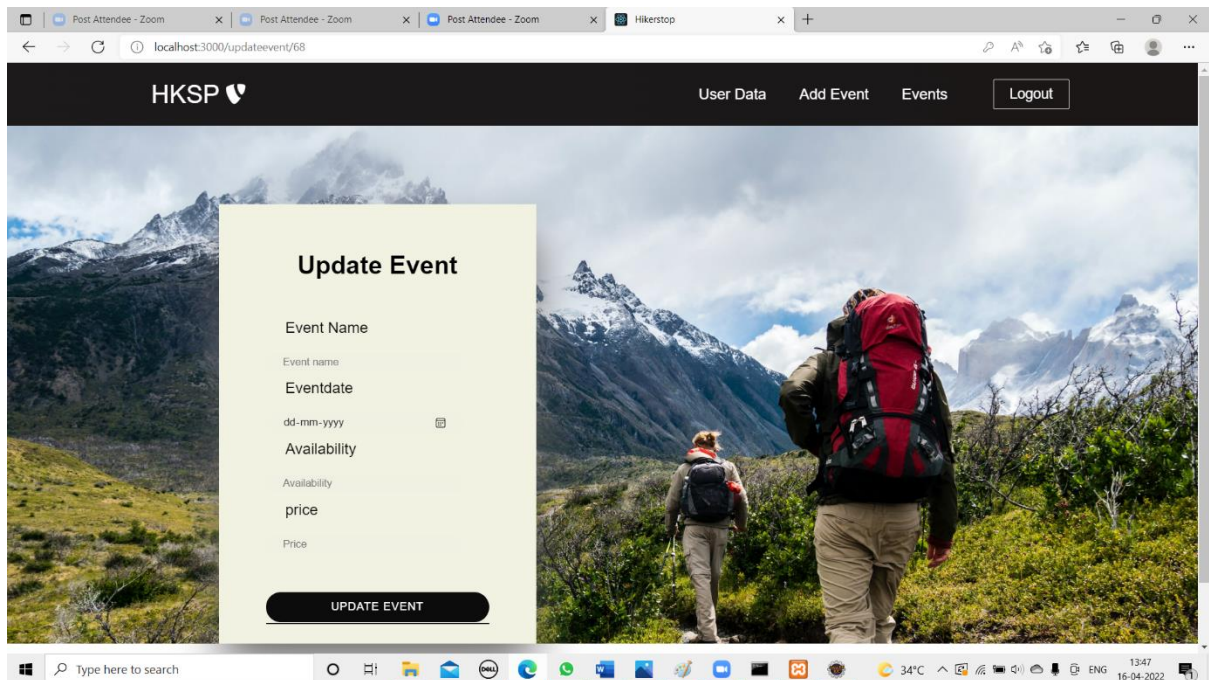


## Event List Page



Event Name	Event Date	Availability	price	Action
Sandhan Valley	2022-04-23T18:30:00.000+00:00	20	4000	<a href="#">Edit</a> <a href="#">Delete</a>
vasota trek	2022-05-01T00:00:00.000+00:00	30	3000	<a href="#">Edit</a> <a href="#">Delete</a>
Ajinkyatara fort	2022-05-08T00:00:00.000+00:00	15	2000	<a href="#">Edit</a> <a href="#">Delete</a>
Rajgad Trek	2022-04-24T00:00:00.000+00:00	10	2000	<a href="#">Edit</a> <a href="#">Delete</a>

## Update Event Page



**Update Event**

Event Name

Eventdate

dd-mm-yyyy

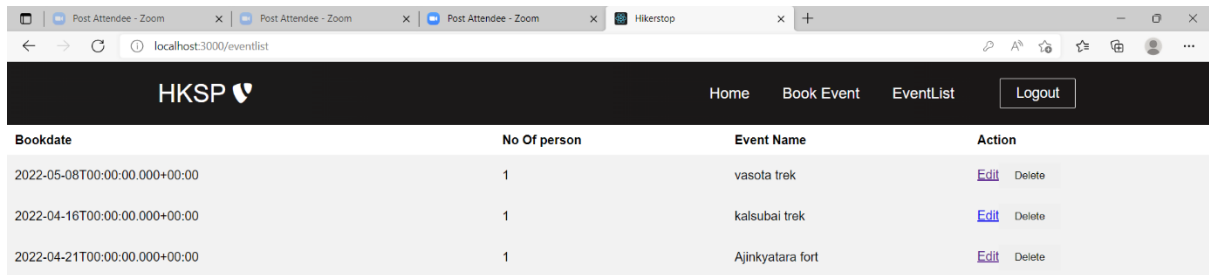
Availability

price

Price

**UPDATE EVENT**

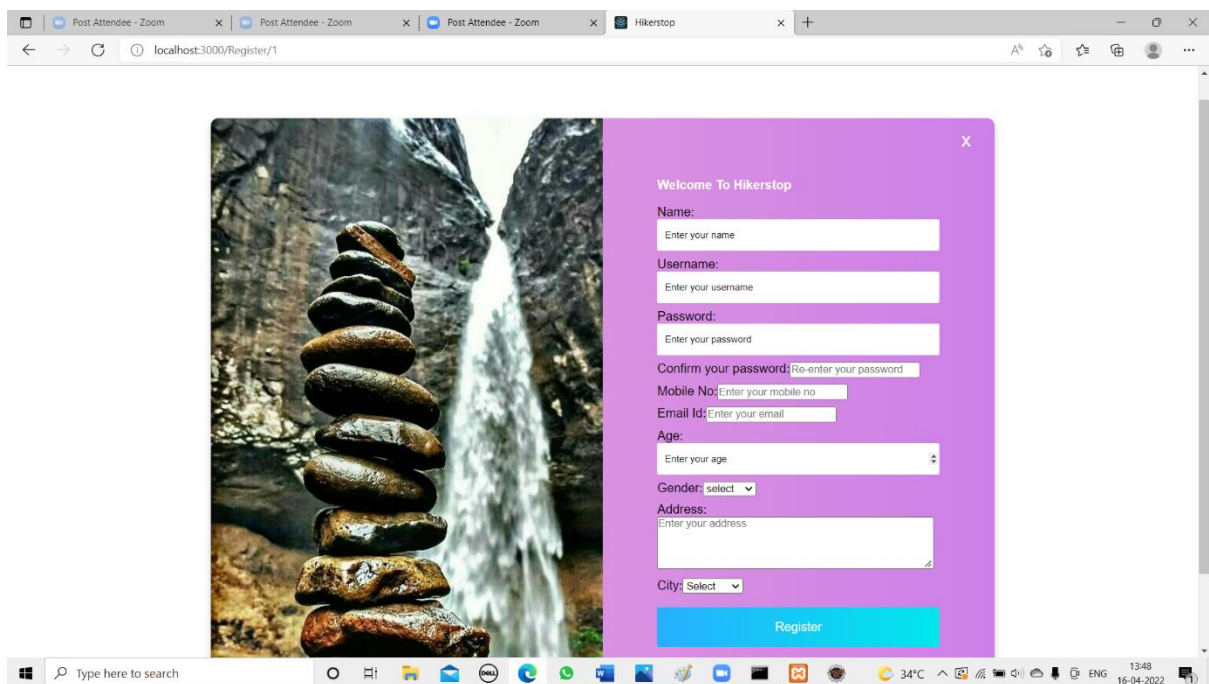
## User data



Bookdate	No Of person	Event Name	Action
2022-05-08T00:00:00.000+00:00	1	vasota trek	<a href="#">Edit</a> <a href="#">Delete</a>
2022-04-16T00:00:00.000+00:00	1	kalsubai trek	<a href="#">Edit</a> <a href="#">Delete</a>
2022-04-21T00:00:00.000+00:00	1	Ajinkyatara fort	<a href="#">Edit</a> <a href="#">Delete</a>

## Customer pages

### Customer Register page



Welcome To Hikerstop

Name:

Username:

Password:

Confirm your password:  Re-enter your password

Mobile No:

Email Id:

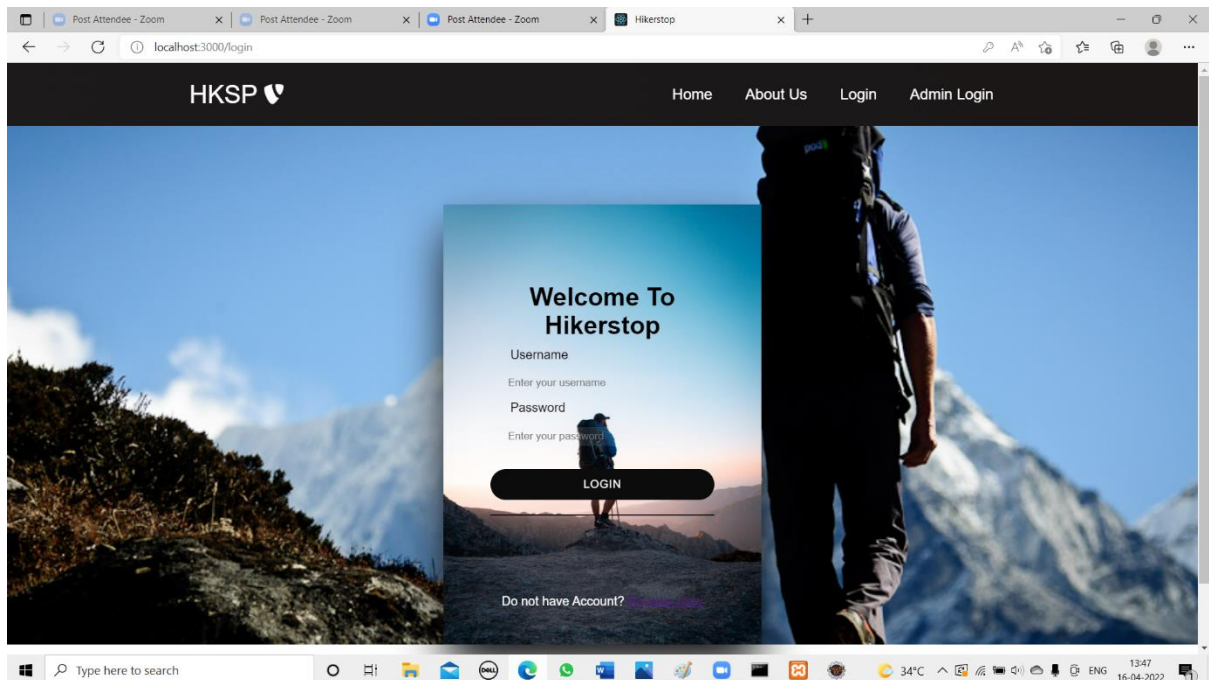
Age:

Gender:

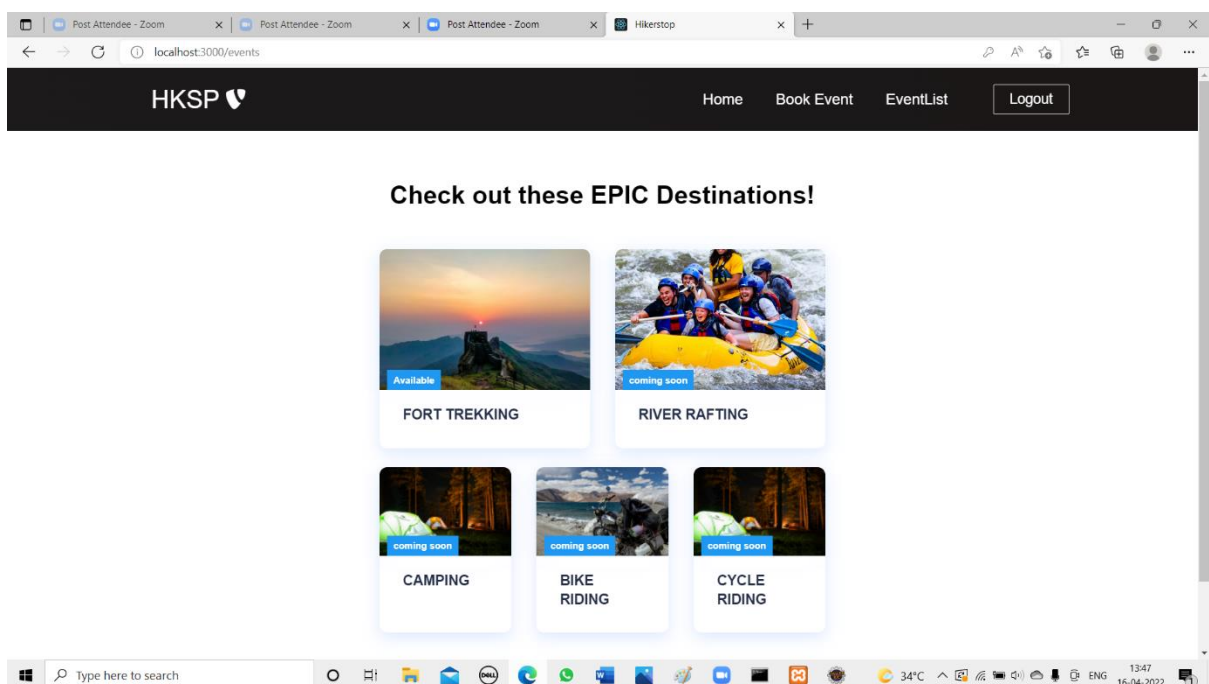
Address:

City:

## Customer Login page

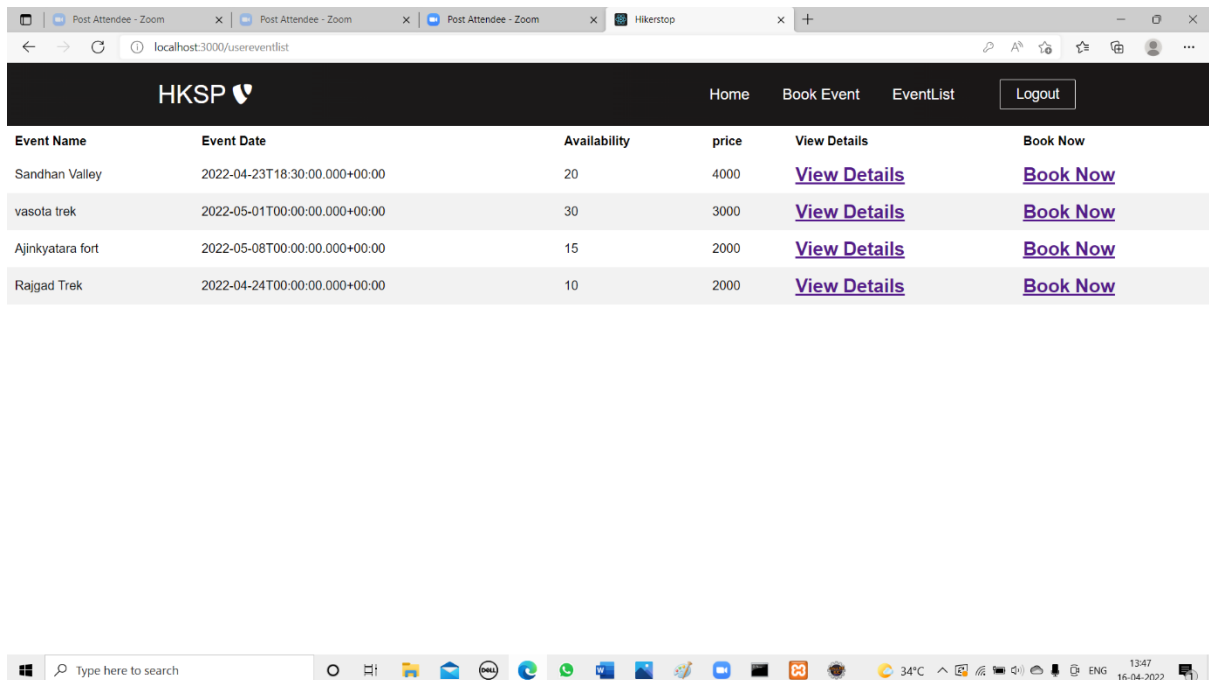


## Event page





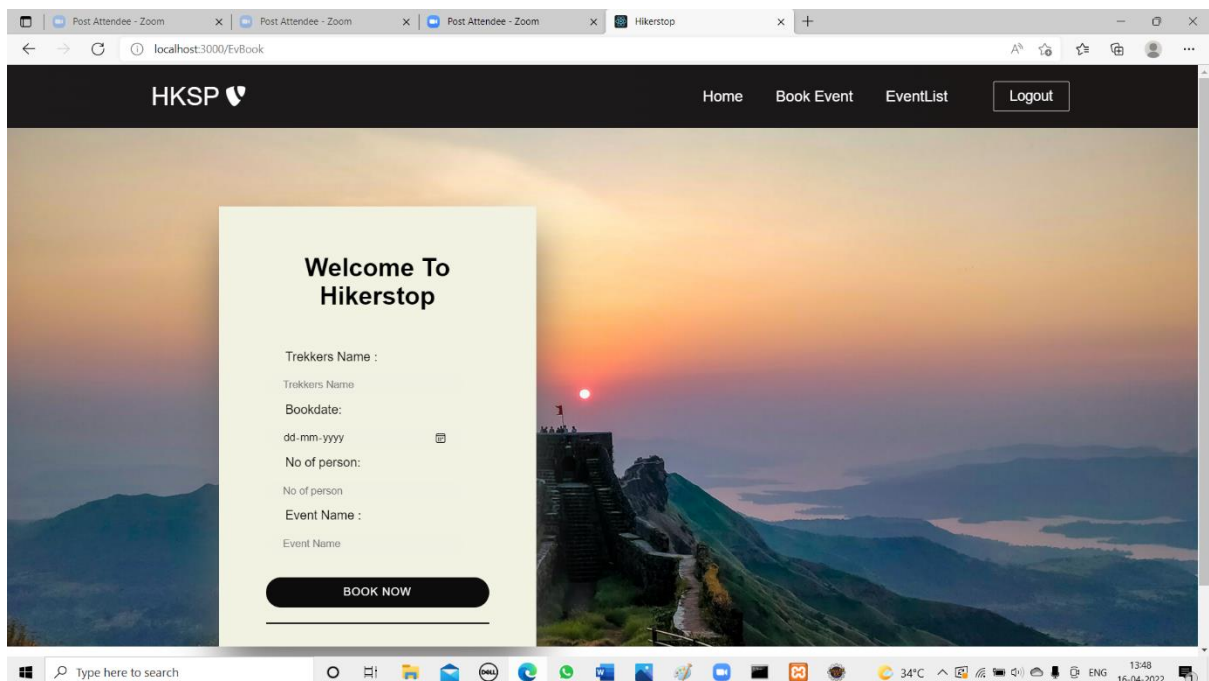
## Event Book Page



The screenshot shows a web browser window with the URL `localhost:3000/usereventlist`. The page features a dark header with the HKSP logo and navigation links: Home, Book Event, EventList, and a Logout button. Below the header is a table listing four events with columns for Event Name, Event Date, Availability, price, View Details, and Book Now.

Event Name	Event Date	Availability	price	View Details	Book Now
Sandhan Valley	2022-04-23T18:30:00.000+00:00	20	4000	<a href="#">View Details</a>	<a href="#">Book Now</a>
vasota trek	2022-05-01T00:00:00.000+00:00	30	3000	<a href="#">View Details</a>	<a href="#">Book Now</a>
Ajinkyatara fort	2022-05-08T00:00:00.000+00:00	15	2000	<a href="#">View Details</a>	<a href="#">Book Now</a>
Rajgad Trek	2022-04-24T00:00:00.000+00:00	10	2000	<a href="#">View Details</a>	<a href="#">Book Now</a>

## Book Event Page

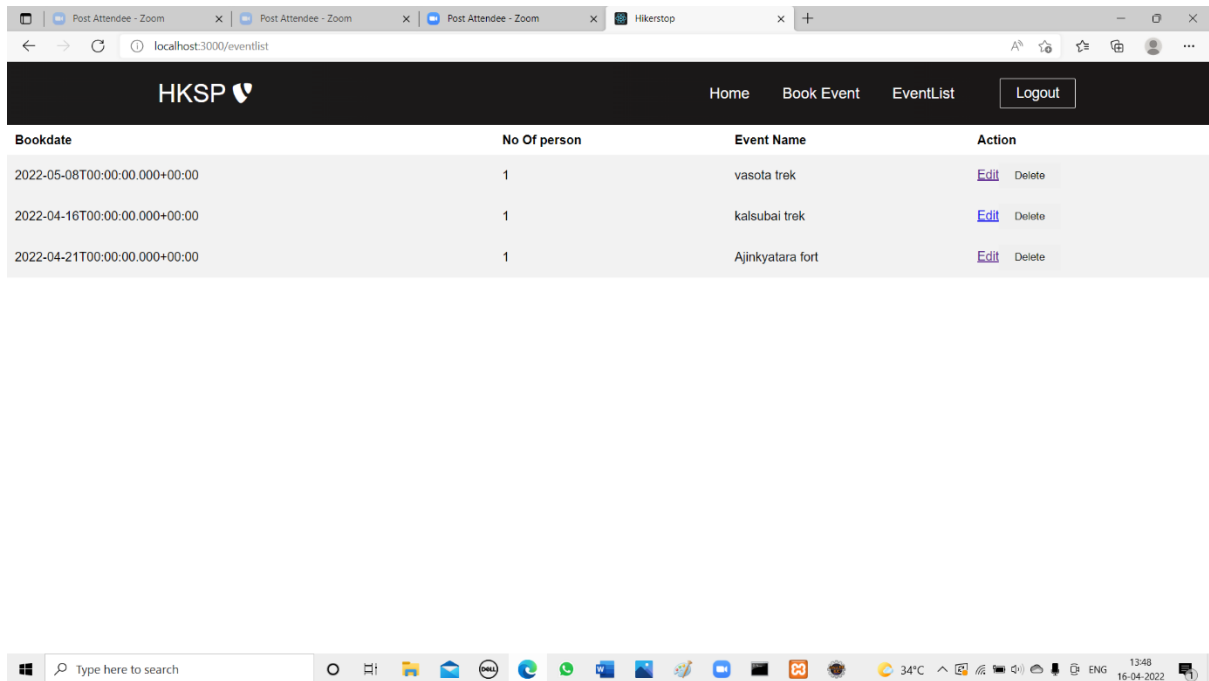


The screenshot shows a web browser window with the URL `localhost:3000/EvBook`. The page features a dark header with the HKSP logo and navigation links: Home, Book Event, EventList, and a Logout button. The main content area has a background image of a mountain landscape at sunset. A white form overlay is centered on the page, titled "Welcome To Hikerstop". The form contains the following fields:

- Trekkers Name :
- Trekkers Name
- Bookdate:
- dd-mm-yyyy
- No of person:
- No of person
- Event Name :
- Event Name

At the bottom of the form is a black button labeled "BOOK NOW".

## Book Event Details



Bookdate	No Of person	Event Name	Action
2022-05-08T00:00:00.000+00:00	1	vasota trek	<a href="#">Edit</a> <a href="#">Delete</a>
2022-04-16T00:00:00.000+00:00	1	kalsubai trek	<a href="#">Edit</a> <a href="#">Delete</a>
2022-04-21T00:00:00.000+00:00	1	Ajinkyatara fort	<a href="#">Edit</a> <a href="#">Delete</a>

# Table Structure

## Admin Table

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	a_id	int(11)		No	None			Change  Drop  More
<input type="checkbox"/>	2	password	varchar(255) utf8mb4_general_ci		Yes	NULL			Change  Drop  More
<input type="checkbox"/>	3	username	varchar(255) utf8mb4_general_ci		Yes	NULL			Change  Drop  More

☐ Check all With selected: Browse Change Drop Primary Unique Index Spatial Fulltext

## Customer Table

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	c_id	int(11)		No	None			Change  Drop  More
<input type="checkbox"/>	2	address	varchar(255) utf8mb4_general_ci		Yes	NULL			Change  Drop  More
<input type="checkbox"/>	3	age	int(11)		No	None			Change  Drop  More
<input type="checkbox"/>	4	city	varchar(255) utf8mb4_general_ci		Yes	NULL			Change  Drop  More
<input type="checkbox"/>	5	cname	varchar(255) utf8mb4_general_ci		Yes	NULL			Change  Drop  More
<input type="checkbox"/>	6	email_id	varchar(255) utf8mb4_general_ci		Yes	NULL			Change  Drop  More
<input type="checkbox"/>	7	gender	varchar(255) utf8mb4_general_ci		Yes	NULL			Change  Drop  More
<input type="checkbox"/>	8	mob_no	varchar(255) utf8mb4_general_ci		Yes	NULL			Change  Drop  More
<input type="checkbox"/>	9	password	varchar(255) utf8mb4_general_ci		Yes	NULL			Change  Drop  More
<input type="checkbox"/>	10	password1	varchar(255) utf8mb4_general_ci		Yes	NULL			Change  Drop  More
<input type="checkbox"/>	11	username	varchar(255) utf8mb4_general_ci		Yes	NULL			Change  Drop  More
<input type="checkbox"/>	12	event_fk	int(11)		Yes	NULL			Change  Drop  More

☐ Check all With selected: Browse Change Drop Primary Unique Index Spatial Fulltext

## Book Event

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	bookid	int(11)		No	None			Change  Drop  More
<input type="checkbox"/>	2	trekkersname	varchar(255) utf8mb4_general_ci		Yes	NULL			Change  Drop  More
<input type="checkbox"/>	3	bookdate	datetime(6)		Yes	NULL			Change  Drop  More
<input type="checkbox"/>	4	eventname	varchar(255) utf8mb4_general_ci		Yes	NULL			Change  Drop  More
<input type="checkbox"/>	5	noofperson	int(11)		Yes	NULL			Change  Drop  More

☐ Check all With selected: Browse Change Drop Primary Unique Index Spatial Fulltext

Event details

Table structure

Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 eventid	int(11)			No	None			Change  Drop  More
<input type="checkbox"/>	2 availability	int(11)			No	None			Change  Drop  More
<input type="checkbox"/>	3 eventdate	varchar(255)	utf8mb4_general_ci		No	None			Change  Drop  More
<input type="checkbox"/>	4 eventname	varchar(255)	utf8mb4_general_ci		No	None			Change  Drop  More
<input type="checkbox"/>	5 price	double			No	None			Change  Drop  More

☐ Check all

With selected:

Browse

Change

Drop

Primary

Unique

Index

Spatial

Fulltext

Feedback

Table structure

Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 fid	int(11)			No	None			Change  Drop  More
<input type="checkbox"/>	2 comment	varchar(255)	utf8mb4_general_ci		Yes	NULL			Change  Drop  More
<input type="checkbox"/>	3 name	varchar(255)	utf8mb4_general_ci		Yes	NULL			Change  Drop  More
<input type="checkbox"/>	4 rating	int(11)			No	None			Change  Drop  More

☐ Check all

With selected:

Browse

Change

Drop

Primary

Unique

Index

Spatial

Fulltext

Enquiry Table

Table structure

Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 enquiryid	int(11)			No	None			Change  Drop  More
<input type="checkbox"/>	2 phone	varchar(255)	utf8mb4_general_ci		Yes	NULL			Change  Drop  More
<input type="checkbox"/>	3 emailid	varchar(255)	utf8mb4_general_ci		Yes	NULL			Change  Drop  More
<input type="checkbox"/>	4 fullname	varchar(255)	utf8mb4_general_ci		Yes	NULL			Change  Drop  More
<input type="checkbox"/>	5 message	varchar(255)	utf8mb4_general_ci		Yes	NULL			Change  Drop  More

☐ Check all

With selected:

Browse

Change

Drop

Primary

Unique

Index

Spatial

Fulltext



## Future Scope

1. This Project can be further extended to role where different guide can add their own and also add extra information regarding to site.
2. Travelling for foreigners, Trekkers, their dream lifes events can be managed by Our Project Hikerstop.
3. Online payment and verification facility can be added to user.

## Conclusion

Trekking event management system puts forth the actual working of a trekking in traditional way. Guides at online mode for customers and management is main key feature for project. Customers and can online products and admin can manage orders at ease through this project using this website anywhere and anytime for their own comfort.

## **References**

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- **<https://react-bootstrap.github.io/>**
- **<https://reactjs.org/docs>**
- **<https://react-redux.js.org/>**
- **<https://www.baeldung.com/>**
- **<http://www.webdevelopersjournal.com/>**
- **<http://www.w3.org>**
- **<http://www.wikipedia.org>**