

# SPORTECH

Recommenders for Sports events based  
on the user profile, locations, posts,  
search histories

## TEAM MEMBERS

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*CSP584-Enterprise Web Application*

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# Requirement Specification

## 1.0 Introduction

Sportech provides the users to view their favorite sport events around the world and also get Recommendations on the basis of their location and similar user search history. Users can also view latest sports news and recent match fixtures.

## 1.1 Goals and objectives

The main goal of this web application is that the users would be able to view and get recommendations of the sports events. The objective of this project is to create an online enterprise web application which we named as 'Sportech'. The intent is to build an application that will allow user to view and search sports event and also get latest sport news and real time sports event information. The users will also have the functionality to view recommendations on the basis of various parameters.

# Functional Requirements

1. The system shall check the validity of Username and password for existing users.

**Input:** User specifies username, password and current city name and clicks on 'submit'.

**Processing:** The system refers to its backend database to check if the username - password combination is valid.

**Output:** If credentials are invalid, display error and return to login screen or else display the home page.

2. The system shall enable user to register using username, password and sports preferences

**Input:** User inputs username, password and current city.

**Processing:** The system does the following validation checks:

Does the username exist?

Is the city name legal?

**Output:** If the above validation returns true then register user.

3. The system shall enable user to look up for sports event by inputting into the search bar

**Input:** User chooses to lookup the sports events. No other inputs.

**Processing:** Fetch the list of events for the user from the backend database

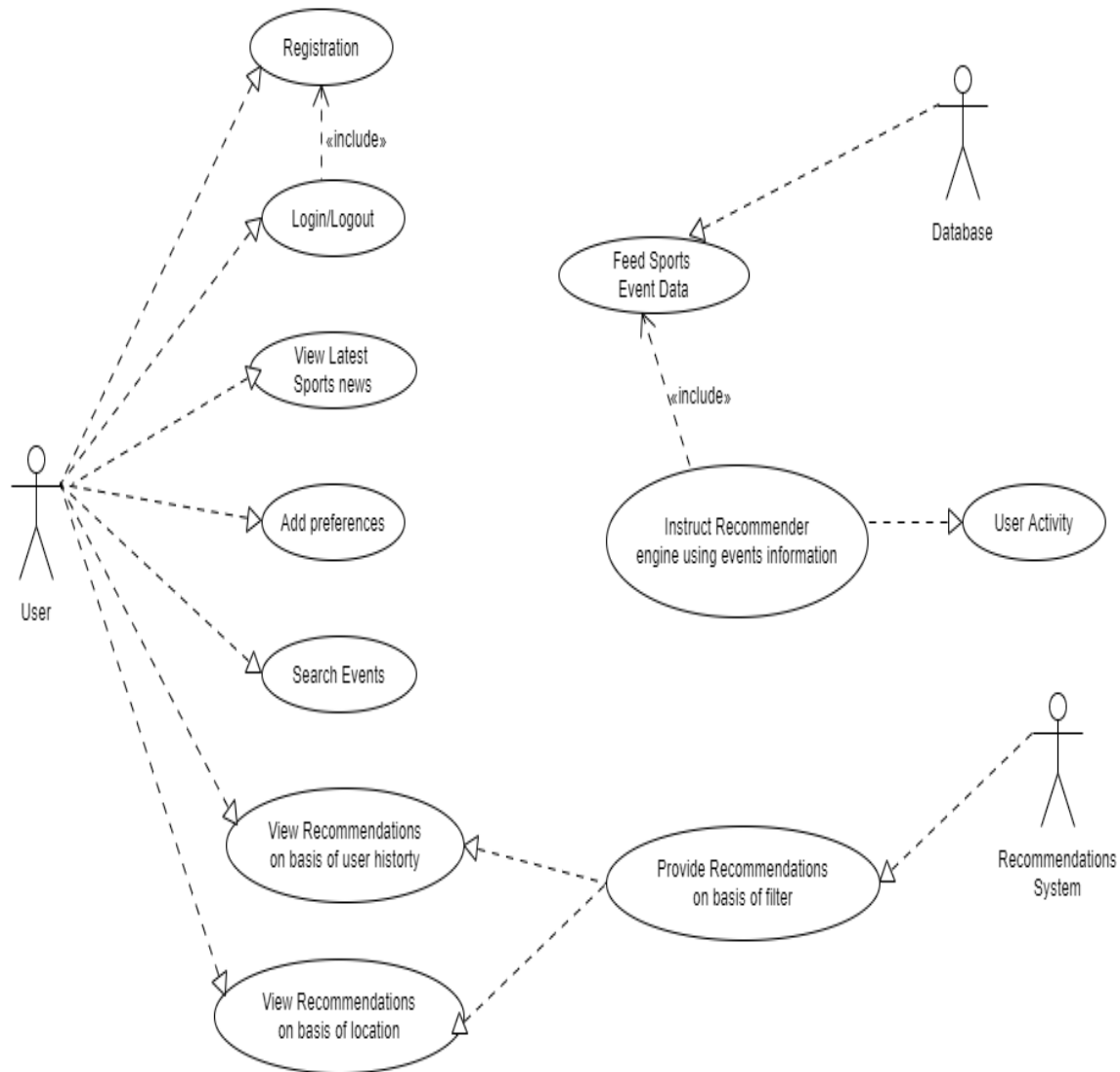
**Output:** Display the list of Hotels

4. The system shall enable user to view recommendations on the basis of location, search history and user preferences.

**Input:** User selects the recommend tab and selects the filters.

**Output:** The user is prompted with recommended sports event.

# Use Case Diagram



# Domain Dictionary

Name	Type	Description
User	Role	<ul style="list-style-type: none"><li>- Create/Register account.</li><li>- Search sports event.</li><li>- View Latest Sports news.</li><li>-View Sports event.</li><li>- View Recommendations on basis of various filters</li></ul>
View Events	Object	<ul style="list-style-type: none"><li>- List of sports according to specified category name.</li></ul>
Search Bar	Object	<ul style="list-style-type: none"><li>- List of events using the Ajax autocomplete feature</li></ul>
SportList	Process	<ul style="list-style-type: none"><li>- Get real time sports data using Curl command from the Stubhub API</li></ul>
View Recommendations	Process	<ul style="list-style-type: none"><li>-Get Recommendations on the basis of various filters .</li></ul>

# Getting Started with StubHub API

1. Creating a developer Account and generating secret access keys for the Sportech web application.

App Name \*

Sportech

Tell us about your app

It is a Sports Recommender System for sports events (basketball , baseball, etc.) based on the user profile ,location,posts,search histories.  
As a part of coursework we are using it for getting real-time data from the Event Catalog API.

Contact Info \*

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Support Contact Info \*

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Application version \*

version 1 . It is new application which we

# Search Event API

The Search Catalog Events API v3 retrieves information about the events that are defined in the StubHub catalog. An event is a concert, sporting match, festival, or other occasion for which tickets can be sold and purchased through StubHub.

## Resource URL

<https://api.stubhub.com/sellers/search/events/v3>

## Query Parameters

**q-** A query parameter string describing the event for a fuzzy logic search. Example: q=ufc

**Id-** The event id to search on.

**Name-** Search by name of the event

**Date-** Search by date of the event. This is string describing the event date in UTC time zone.

**Venue-** The name of the venue at which the event occurs.

**City-** The name of the city in which the event occurs.

**State-** The name of the state in which the event occurs.

**Category Name-** The name of the category to which the event belongs.



# Response Parameters from the Event API in form of json format

search/events/v2

nl...

## Response Parameters

Parameter	Type	Description
numFound	integer	Total number of events found based on parameters passed.
events	array	
events.id	integer	The StubHub's event ID
events.status	string	The status of the event on Stubhub
events.locale	string	Native language environment variable used for the localized fields.
events.name	string	The name of the event
events.description	string	The description of the event
events.webURI	string	webURI to event information
events.eventDateLocal	string	The day and time of the event, expressed in the venue's local time

5:34 PM

# Generating Access Bearer from Access key and using OAuth method

Header Parameters

Name	Values	Description
<b>Authorization</b> <i>(required)</i>	<u>Bearer UGE6FGLedRgWsGl</u>	To generate an access token, use the generateToken API. Note that you will need to add a 'Bearer ' prefix to your access token. Otherwise, you'll get an 'Invalid Access Token' error
<b>Accept</b> <i>(required)</i>	<u>application/json</u>	application/json

[Send this request](#)  
using the values above [Reset](#)

[Request](#) [Response](#) [cURL](#)

**HTTP/1.1 200 OK**

Access-Control-Allow-Headers: \*  
Access-Control-Allow-Methods: GET  
Access-Control-Allow-Origin: https://developer.stubhub.com  
Access-Control-Max-Age: 3628800