SportsStalk

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SportsStalk is a web application for Sports Event Search and Recommendation whose purpose is to recommend events based on logged in user's city, preference or according to their search history.

Stubhub provides useful API, which were used in this project for Live Sports Events data [https://developer.stubhub.com/products/advanced-event-catalog].

In this Project, we recommend events based on different categories listed below.

➢ Recommend by city and preference for a game which user provide while signing up.
➢ Recommend based on user search for different categories or another city then provided while login.
➢ Recommend events for user's based on their search history

Algorithm used for Recommendation:

➢ We are using Matrix Factorization technique by Surprise Package in which Singular value Decomposition (SVD) algorithm implemented. Based on users' search history, this algorithm will create csv files and then we will collect data from csv files and show them in recommender for you section in our web application.

Class Diagram:

EVENTS
- id
- status
- locale
- name
- date
- venue
- city
- state
- postalCode
- country
- catName

HISTORY
- UserEmail
- EventID
- EventName

USER
- ID
- Email
- Password
- Firstname
- Lastname
- CIty
- Prefernce

CATEGORY
- CategoryId
- CategoryName