Web Search Engine course project:

Recommender Systems for events based online social networks

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**Summary:** Complete two elementary Recommender System engines. They could be used to provide basic recommending service such as recommending users for new events, and recommending events for users for events based online social network such as Meetup, Douban and etc.

**1, Project basically achieved proposal technical specifications:**

1. Recommending some local event activities to users in some specific group.
2. Recommending some potential interested users to some new events in some specific group.

**Specific output of the program:**

1. Return top k (specified by input parameter) users based on ranking algorithm to some events in the groups according to events description similarity.
2. Return top k event ranked recommendations for the all users in groups according to their events attendance history.

**2, Data storage**

**Data source:** from meetup website.

**Format:** Jason files.

**Fields:** lots of information like group id, group name, group members, event time, event attended users, event id, event organizer, event description.

**Size of data:** about 2-3G (compressed in zip file) for the Meetup data.

**Stored at** local, laptop.

**3, User interaction:**

The user could put some RSVTs for some events, and afterward, they will get some recommendations about which events that they will probably like to attend in future.

**4, Error Handling**

Notification of unacceptable input and usage etc.

**5, Limitations:**

1, Could to do more work, such as group recommendation, and more advanced ranking algorithm. But due to limited time, …

2, Could add web based frond end.