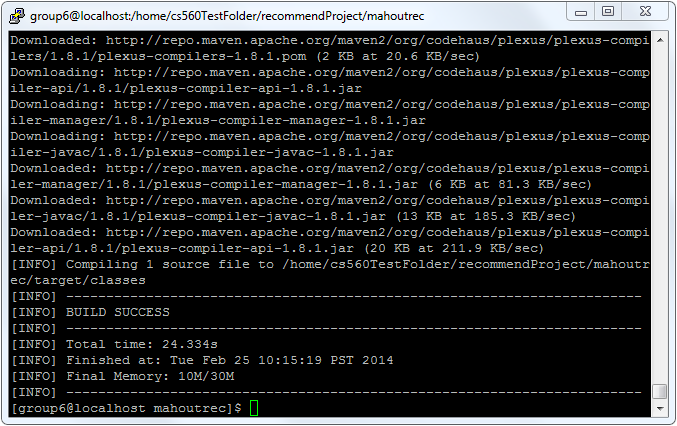
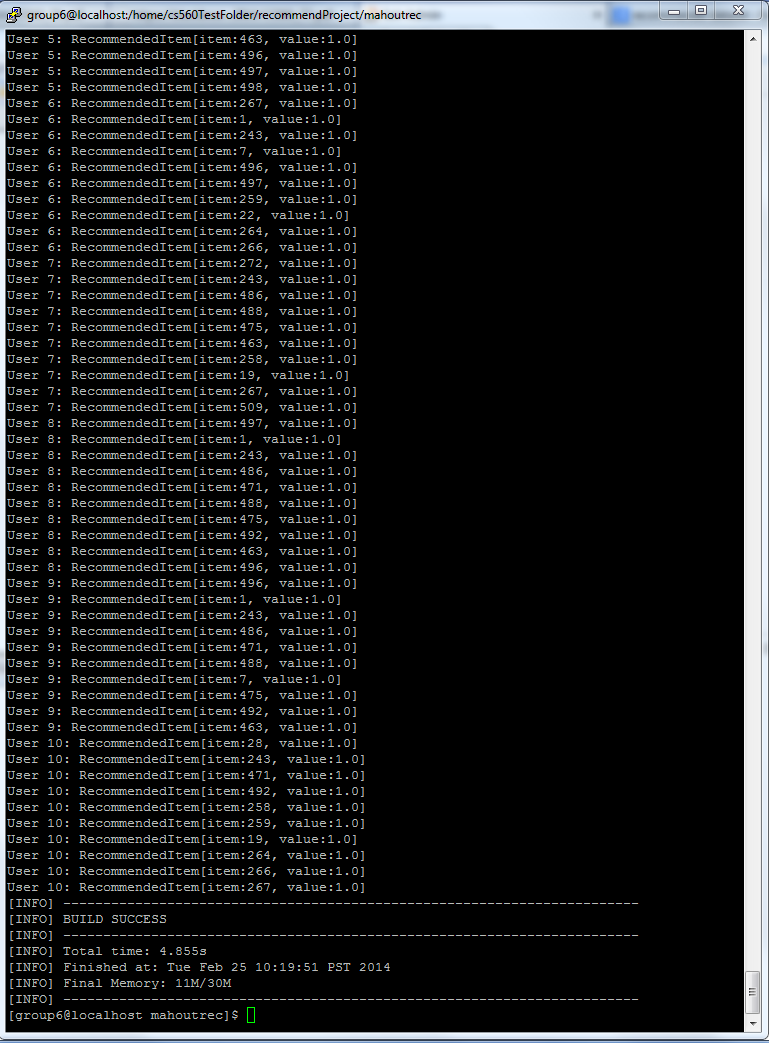
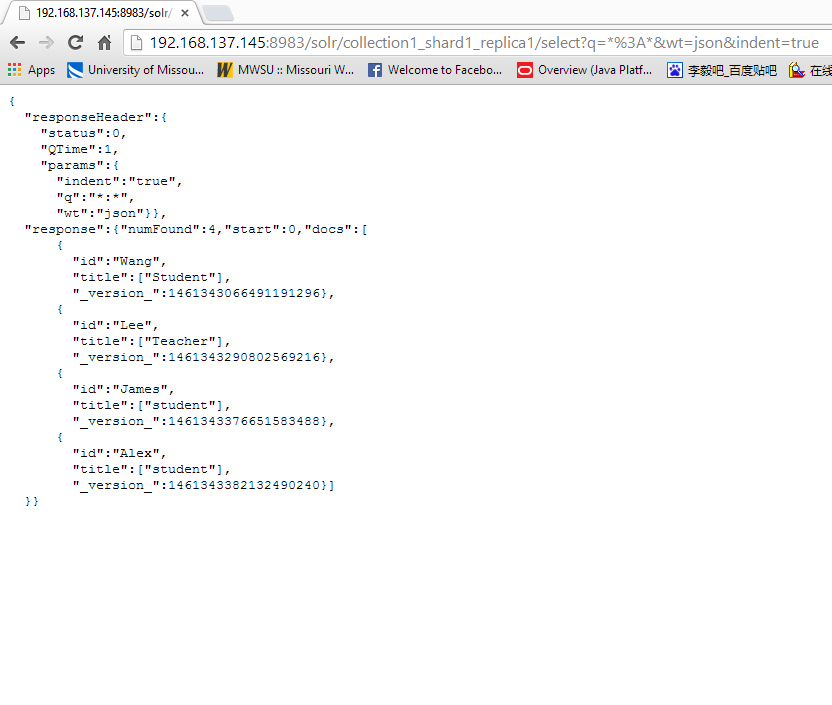
**Lab 4 report**

**1. For the assignment part 1, I used recommendation systems. I upload the dataset, here is screenshot for output:**

****

****

****

**Output from solr**