



- Product picked from Trending set
- Product picked from a user's like set
- Product picked from Random set
- Product could not be picked

Similarity Index Calculation

```

for elem in n_users:
    calc_val=0
    # jaccard index calculation
    calc_val+= len(n_users_lset[elem] & current_set_l)
    calc_val+= len(n_users_dset[elem] & current_set_d)
    logger.info('The agreement total for user %d is %d',elem,calc_val)

    calc_val-= len(n_users_lset[elem] & current_set_d)
    calc_val-= len(n_users_dset[elem] & current_set_l)
    logger.info('The numerator value for user %d is %d',elem,calc_val)

    logger.info('The denominator value for user %d is %d',elem,(len(current_set_d)+len(current_set_l)))
    calc_val/= (len(current_set_d)+len(current_set_l))
    logger.info('The similarity value for user %d is %.4f',elem,calc_val)
    n_users_jset[elem]=calc_val;
  
```