**RELATED WORK**

Traditionally, recommender systems are usually classified into the following three categories:

1. **User-based Collaborative Filtering Systems[Reference 1篇]:**

The user will be recommended items similar to the ones the user preferred in the past.

1. **Item-based Collaborative Filtering Systems[Reference 3篇]:**

The user will be recommended items that people with similar tastes and preferences liked in the past.

1. **Hybrid Recommender Systems[Reference 2篇]:**

These methods combine the above two methods.

They usually suggest books, music albums, from a set of input parameters, possibly including user profiles, purchase history, etc.

In recent years, many researchers use novel technology to recommend, e.g. Edward use Commonsense to recommend clothing[ ]. Furthermore, some researchers use recommender system in interesting domains, e.g. Cosley’s Movie Recommendation[ ], and Koutrika’s Course Recommendation[ ]. Moreover, the display style of Top 10 is popular again recently []. We follow the latest trend, and use the novel technology in interesting domain. In short, we are the first one that combine traditional recommendations and Commonsense, and apply them in Gift Recommendation

In recent years, many researchers 以新穎的技術來做推薦，像是Edward學者利用Commonsense做衣服推薦[Reference What am I]。此外，也有學者將Recommender System用在有趣的領域上，像是Cosley學者的Movie Recommendation[Reference SuggestBot], Koutrika學者的Course Recommendation[Reference FlexRecs:

], and so on. 此外, Top 10 呈現方式最近又重新流行起來[Goal-oriented web-site navigation for on-line shoppers]。我們follow最新的流行趨勢，將新穎的技術用在有趣的domain上。In short, 我們是第一個結合傳統推薦、commonsense，並且應用在禮物推薦上的研究。

1. What am I gonna wear?: Scenario-Oriented recommendation

2. Personal Choice Point: Helping users visualize what it means to buy a BMW

3. Beating Common Sense into Interactive Applications

4. A goal-oriented interface to consumer electronics using planning and commonsense reasoning

5. User Interface Goals, AI Opportunities

6. An Algorithmic Framework for Performing Collaborative Filtering

7. Amazon.com Recommendations: Item-to-Item Collaborative Filtering

8. Hybrid Systems for Personalized Recommendations

9. Evaluating Recommender Systems: An Evaluation Framework to Predict User Satisfaction for Recommender Systems in an Electronic Programme Guide Context

10. A new approach to evaluating novel recommendations

11. SuggestBot: Using Intelligent Task Routing to Help People Find Work in Wikipedia

12. Expressing and Combining Flexible Recommendations

13. Goal-oriented web-site navigation for on-line shoppers

14. Item-based collaborative filtering recommendation algorithms