**RELATED WORK**

Survey the most important recommendation system, we have a few conclusions.

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, such as 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。