

Title: "DATA607_W12_Discussion_Recommender_Systems"

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Health Recommender Systems: Concepts, Requirements, Technical Basics and Challenges

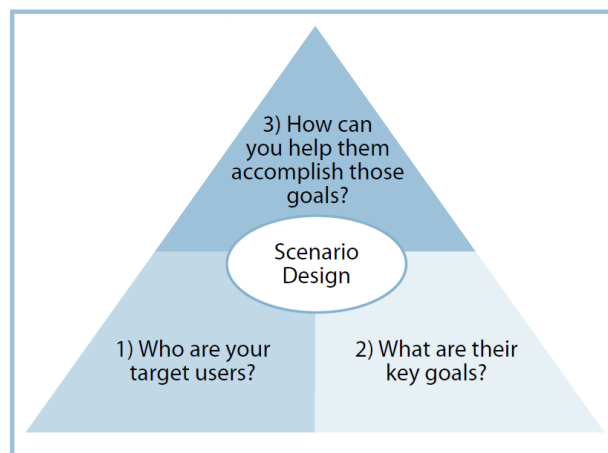
Health is the most important thing in the life according to many people. Nowadays people eager to find the information about health issues and they have enough resources all over the world.

People use the Internet and look for health information regarding diseases, diagnoses and different treatments. Such effects influence the patient-physician relationship as educated patients raise questions or discuss treatment options. Therefor patients tend to become active participants in the decision-making process.

However, information overload and irrelevant information are major obstacles for drawing conclusions on the personal health status and taking adequate actions.

Recommender systems suggest items of interest to users of information systems or e-business systems and have evolved in recent decades. A typical and well known example is Amazon's suggest service for products. The idea behind recommender systems can be adapted to cope with the special requirements of the health domain.

According to below pyramid I am identifying below



1. Target Users
 - a. End Users seeking health related information or medical information.
 - b. Health professional who share non-personal information.
 - c. Patient who seek and share information.
2. What are their key goals?

Find and share accurate, important, high quality information with each other.
3. How can you help them to accomplish goals ?

Below article published by **National Center for Biotechnology Information**, National Library of Medicine has decent guideline to design a Health Recommender System

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3968965/>