

Chittagong University of Engineering &

Technology

Chattogram - 4349

Software Engineering (Sessional)

CSE-434

Report On

**Design Model using Component Diagram**

# Name of the Students:

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**Structure of our Doctor Recommending System :**

A **recommender system**, or a **recommendation system** (sometimes replacing 'system' with a synonym such as platform or engine), is a subclass of [information filtering system](https://en.wikipedia.org/wiki/Information_filtering_system" \o "Information filtering system) that seeks to predict the "rating" or "preference" a user would give to an item.They are primarily used in commercial applications.[1]

Our goal is to make a recommender system that takes input symptoms from patients and recommends us suitable doctor according to doctors’ information.

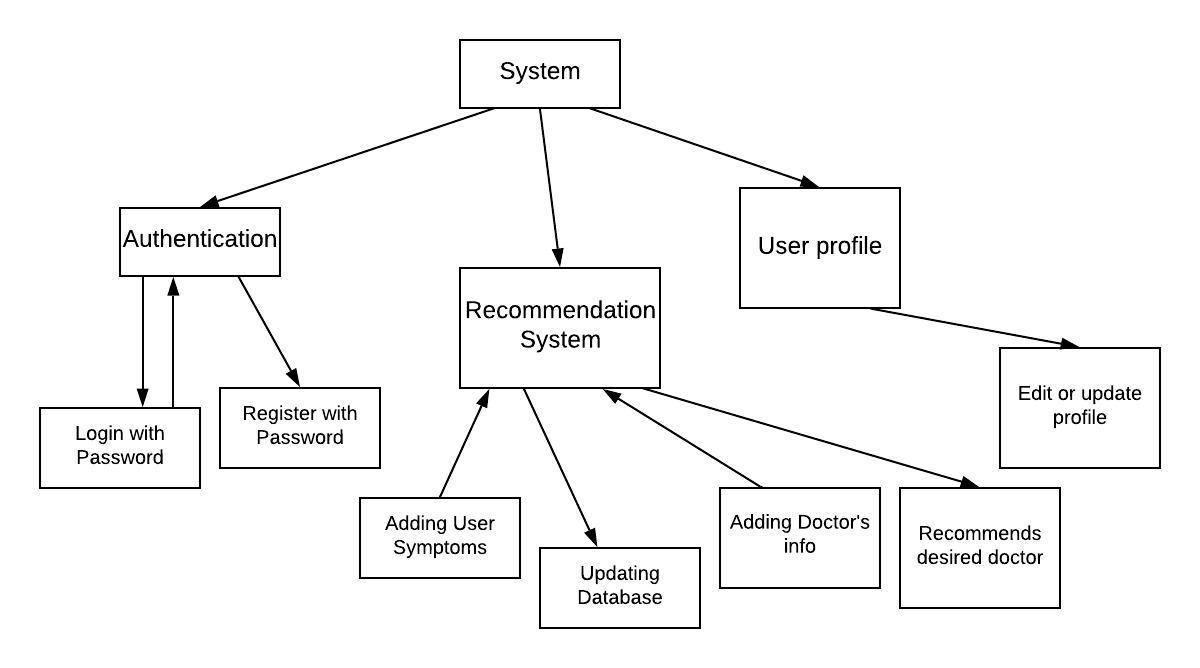


Figure 1 : Structure of our System

**Component Level design of our System :**

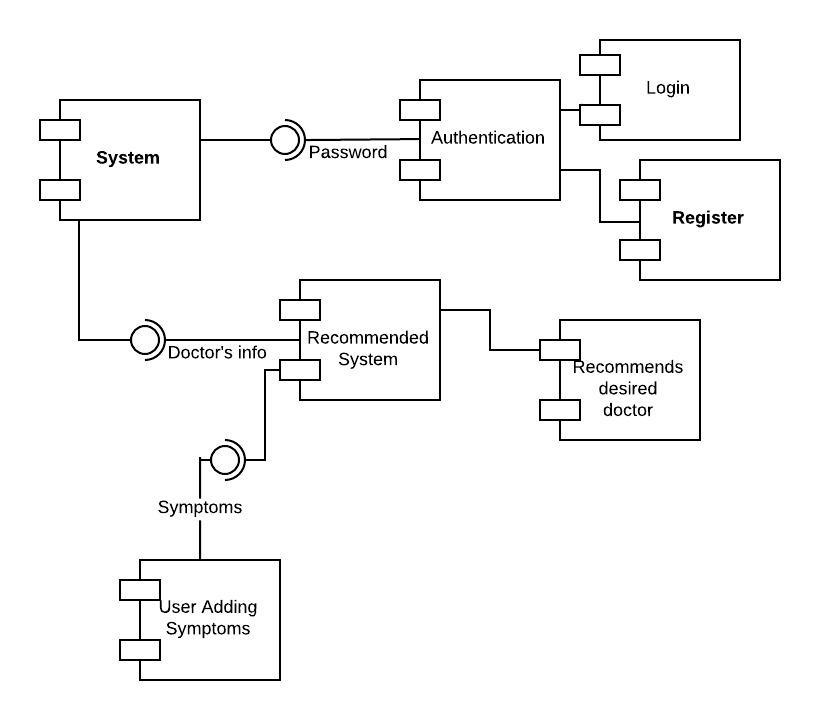


Figure 2 : Component level design of our system

**Object Oriented View :**

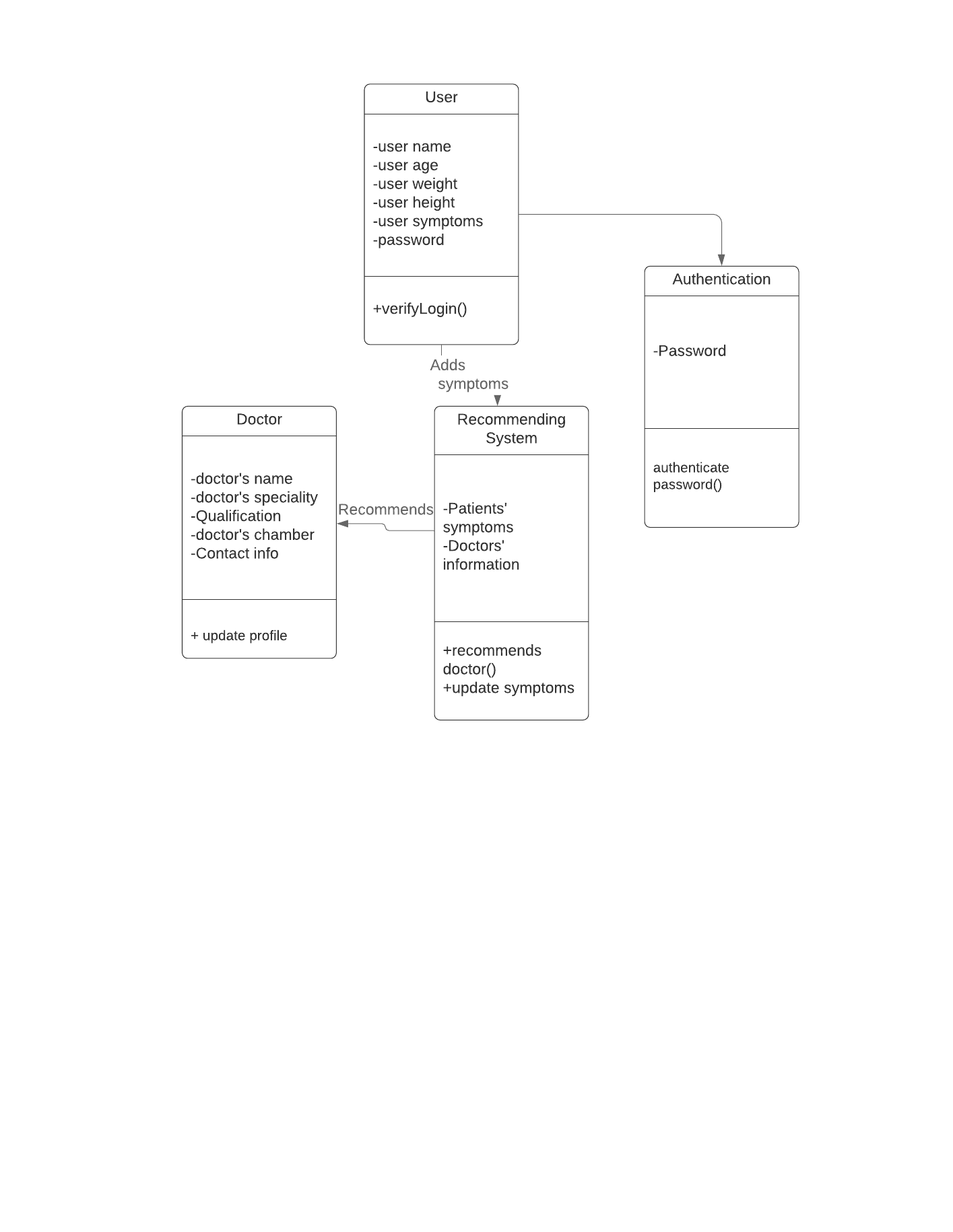
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Figure 3 : Class diagram of our system

**Reference :**

1. <https://en.wikipedia.org/wiki/Recommender_system>
2. Y. Cai, Y. Su, L. Zhao and Z. Cui, "Algorithm Design of Push Service for Telemedicine System," 2018 International Conference on Robots & Intelligent System (ICRIS), Changsha, 2018, pp. 250-252.
3. L. Guo, B. Jin, R. Yu, C. Yao, C. Sun and D. Huang, "Multi-label classification methods for green computing and application for mobile medical recommendations," in IEEE Access, vol. 4, pp. 3201-3209, 2016.
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[7] Yong-Feng Huang, Peng Liu, Qiao Pan and Jing-Sheng Lin, "A doctor recommendation algorithm based on doctor performances and patient preferences," 2012 International Conference on Wavelet Active Media Technology and Information Processing (ICWAMTIP), Chengdu, 2012, pp. 92-95.