

Patent Title: METHOD AND SYSTEM FOR PRODUCT RECOMMENDATION BASED ON USER INTERACTION

Patent Abstract: The patent discloses a method and a system for recommending products to users based on their interactions with other users and product attributes. The system creates instant communication interfaces that allow users to exchange messages with each other and with an autonomous agent. The system assigns instant communication interfaces to users based on their attributes and product attributes. The system generates recommendatory messages for each instant communication interface based on the messages exchanged and the product category associated with the interface. The system provides product recommendations based on user interaction and product attributes through the recommendatory messages.

Technical Field: The patent relates to product recommendation systems, especially to a method and a system for product recommendation based on user interaction and product attributes.

Background: The patent describes the limitations of existing product review sections in e-commerce websites, such as the possibility of biased, manipulated, or irrelevant reviews, the lack of interaction among users with similar tastes and preferences, and the inconvenience of manually reading through reviews and product descriptions. The patent also describes the limitations of existing chatbots, such as the inability to handle complex queries and the lack of variety in the information they can provide.

Objects: The patent aims to –

- ♦ Provide a method and a system for recommending products based on user interactions.
- ♦ Dynamically generate and assign instant communication interfaces to users for mutual interaction.
- ♦ Assign instant communication interfaces by clustering product attributes and tastes and preferences of users.
- ♦ Provide an autonomous agent that generates responses to queries on product attributes raised in the instant communication interface.
- ♦ Provide an autonomous agent that invokes Application Programming Interfaces based on user interaction in the instant communication interface.

Summary: The patent discloses a system for recommending products based on user interaction that includes one or more processors and memory coupled to one or more processors. The memory includes processor-executable instructions that cause one or more processors to create instant communication interfaces, assign instant communication interfaces to users, generate recommendatory messages for each instant communication interface, and provide product recommendations based on user interaction and product attributes. The patent also discloses a method for recommending products based on user interaction that includes creating instant communication interfaces, assigning instant communication interfaces to users, generating recommendatory messages for each instant communication interface, and providing product recommendations based on user interaction and product attributes.

Advantages: The patent claims that the disclosed method and system can provide the following advantages: (a) enhancing user satisfaction and engagement by providing personalized and relevant product recommendations based on user interaction and product attributes; (b) increasing user trust and confidence in the product recommendations by allowing users to interact with other users and an autonomous agent; (c) improving user convenience and efficiency by reducing the need to manually read through reviews and product descriptions; (d) enabling users to access a variety of information and services related to the products by invoking Application Programming Interfaces; and (e) facilitating user feedback and improvement of the product recommendation system by analyzing the messages exchanged through the instant communication interfaces.

Additional: Patent-related documents can be accessed here: [Patent Specification](#), [Patent Drawings](#)