**SportX – The online sports equipment assistant**

The Idea is to develop a fully functional online virtual assistant that would assist new and registered user to buy Sports equipment and recommend new equipment based on their interest, and eventually help them decide how to train and how to follow a particular sport.

The database for now is hard coded with recommendations based on the order history of the users.

Also, new users do not get stored in the current system

The price, rating and warranty are based on fuzzy rules, the values for the items are hard coded, which eventually can be integrated with actual data from the real world to give exact values for the attributes.

For now, the assistant helps with following question :

* Create new user account
* Change current order
* order cancellation
* quick-buy option
* provides recommendations
* redirects to customer service representatives
* tells “price”, “rating” and “warranty” based on fuzzy matches.

The templates used to store the data in the knowledge base are

* user
* order
* items
* question
* answer
* cost-range
* ratings
* item-durability

Major functions in the KB include

* start-assistant
* ask-question-by-id
* is-of-type
* ask-user
* selecting

Modules are

* initialize
* rules – containing fuzzy rule match conditions

The facts and rules in the KB are used to interact with the users, to ask questions and to process the answers. The questions are triggered based on the user answers.