INDIAN CUISINE FOOD RECOMMENDATION SYSTEM

Applied Artificial Intelligence Project – 1

Codename: Vegeta

Abstract

Indian Food Recommender is an expert system built on Jess that provides recommendation of food based on the type of meal, cuisine, diet orientation, calories of user.

Features

The system takes the following four parameter as input from the user to recommend the food:

- Type of meal: Breakfast, Lunch, Dinner and Snacks.
- Type of cuisine: North Indian or South Indian
- Diet Orientation: Vegetarian or Non Vegetarian
- Calorie Count: High or Low

Rules and Description

Rules	Description
to-print	To print the welcome message
ask-question-by-id	To ask a question and assert the answer to match with the answer template
request-food-meal	To ask t for the choice of meal the user wants to select i.e. Breakfast, Lunch, Dinner or Snacks
request-food-cuisine	To ask for the choice of cuisine the user wants to select i.e. North or South Indian cuisine
request-veg-nonveg	To ask for the choice of diet orientation the user wants to select i.e. Vegetarian or Non Vegetarian
request-food-calories	To ask for the choice of range of calories the user wants to select i.e. High or Low
food-not-found	To print the message that there is no food to recommend for the given criteria
food-recommendation	To check for the given input and recommend the food that matches with the set of rules defined in the "food-data" facts.
food-data (deffacts)	Defines 25 rules of different combinations of the 4 input parameters.
questions (deffacts)	Defines 4 rules of different questions the user is being asked to input.

Usage manual

Instructions for Execution:

Place the file **vegeta_proj1.clp** in the bin folder of JESS.
Then run the command "**jess vegeta_proj1.clp**"

Sample Inputs:

1.
- Lunch
- North
- Veg
- High

2.
- Dinner
- South
- Non Veg
- Low

Sample Outputs :

1)

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********************************************************************
FOOD RECOMMENDATION SYSTEM
********************************************************************

Welcome to the Indian Food Recommendation System.
Please answer the below questions.
We will recommend you the food.


********************************************************************
********************************************************************

Please select a meal(enter the name):
         1. Breakfast
         2. Lunch
         3. Snacks
         4. Dinner
Lunch
Please select a cuisine from below (enter the name):
         1. North
         2. South
          North
Please select your food preference from below:
         1. Veg
         2. Nonveg
          Veg
Please enter the calorie count:
         1. High
         2. Low
          High
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Food Name: Kadai Paneer and Naan/ Pulav
Meal: Lunch
Cuisine: North
Veg/Nonveg: Veg
Calories: High
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2)

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**********************************************************************
FOOD RECOMMENDATION SYSTEM
**********************************************************************


Welcome to the Indian Food Recommendation System.
Please answer the below questions.
We will recommend you the food.


**********************************************************************
**********************************************************************


Please select a meal(enter the name):
            1. Breakfast
            2. Lunch
            3. Snacks
            4. Dinner
            Dinner
Please select a cuisine from below (enter the name):
            1. North
            2. South
            South
Please select your food preference from below:
            1. Veg
            2. Nonveg
            Nonveg
Please enter the calorie count:
            1. High
            2. Low
            Low
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Food Name: Chicken Salna and Rice
Meal: Dinner
Cuisine: South
Veg/Nonveg: Nonveg
Calories: Low
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