

RAPPORT PROJET SYSTÈME EXPERT N2

Members:

Slamani Abdelmalek

Teffahi Salaheddine

Theme: An Expert System for helping users to choose which programming language to learn.

Introduction:

This Prolog expert system is a good starting point for helping users choose a programming language based on their preferences. It demonstrates effective use of Prolog for rule-based decision-making and interaction with users.

Functionality:

- The system guides users through a series of questions to understand their goals, preferences, and background in programming.
- Based on user responses, the system recommends a suitable programming language.
- The system offers descriptions of each recommended language, highlighting its strengths and weaknesses.
- The system stores user progress and answers to questions, allowing for a more personalized experience.

Knowledge Base:

- The system contains rules for recommending languages based on various factors, such as:
 - Purpose of learning (e.g., making money, just for fun, improving oneself)
 - Preferred platform (e.g., web, mobile, enterprise)
 - Desired difficulty level (e.g., easy, hard, hardest)
 - Previous experience and interests
- The system also includes descriptions of various programming languages, including:
 - Python
 - Java
 - C
 - C++
 - JavaScript
 - C#
 - Ruby
 - PHP
 - Objective-C

Evaluation:

- The system demonstrates strong potential for helping users choose a suitable programming language to learn.
- The use of a comprehensive knowledge base and personalized questions ensures accurate recommendations.
- The clear descriptions of each language provide users with valuable information to make informed decisions.
- However, the system is limited by its reliance on user input and could potentially recommend inaccurate languages for users who provide incomplete or misleading information.