

Laptop Recommendation Expert System

GROUP 8

Overview

- Introduction
- Knowledge Sources & Acquisition
- Knowledge Design & Engineering
- Implementation



Introduction

- Laptops have become indispensable part of every people these days.
- With a large number of options and the associated technical jargon can be overwhelming for a layman .
- A Laptop recommendation expert system aims to suggest the best laptop available according to the requirements of the user and satisfying the budget constraints.

- One may get fooled by shopkeeper's words or exciting offers from online sites.
- With this expert system , one wouldn't have to take a step out of his door for
- market.

Knowledge Source and Acquisition

- Knowledge source is taken from amazon.in as a reference.
- We took laptops from different companies comprising of different models.

Knowledge Design and Engineering

- The laptops are first classified into four main categories - Gaming, Clerical, Development, Home based on hardware specifications and operating system present.
- The resultant list obtained is checked for price constraints.
- Laptops having price greater than the budget provided by the user are removed from the list.
- the list is sorted using a custom made comparator function such that the best laptop is at the head of the list, which is then recommended to the user.

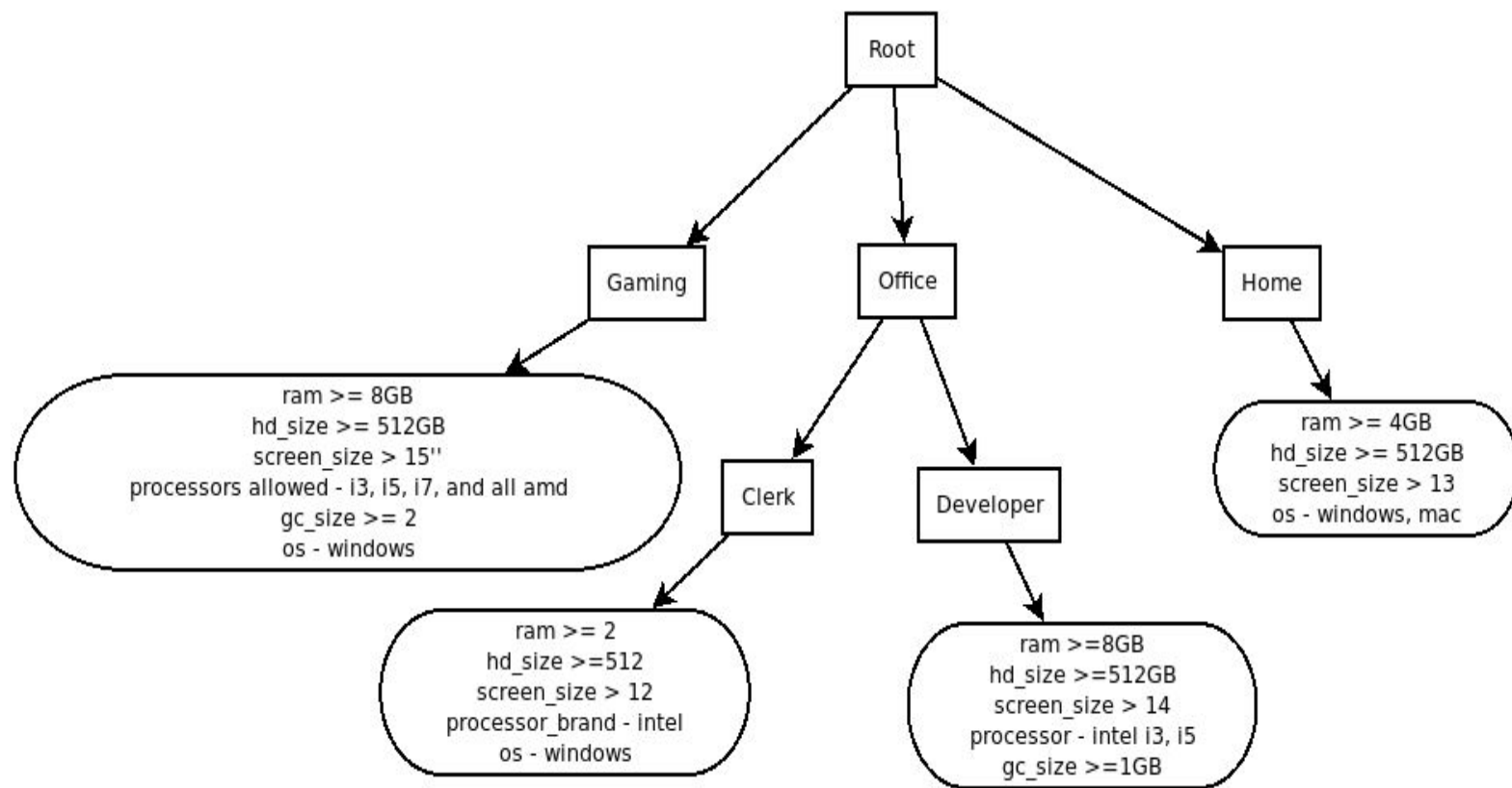


Fig : Classification of Laptops into Categories based on Specification.

Implementation

- The whole expert system is made in Prolog.
- The console is used to ask questions from the user and a final recommendation is given.
- Given Question is check against facts defined in knowledge base by the help of rules declared.

DEMONSTRATION

Thank you!

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