Development of a Prolog-Based Expert System for Disease Diagnosis

Artificial Intelligence Lab: CSE 714

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Outline

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Problem Statement

Due to ignorance and lack of understanding, the affected individual cannot recognize all of the signs that indicate that he seems to have a chronic and inflammatory condition.

Health checkups are getting expensive day by day.

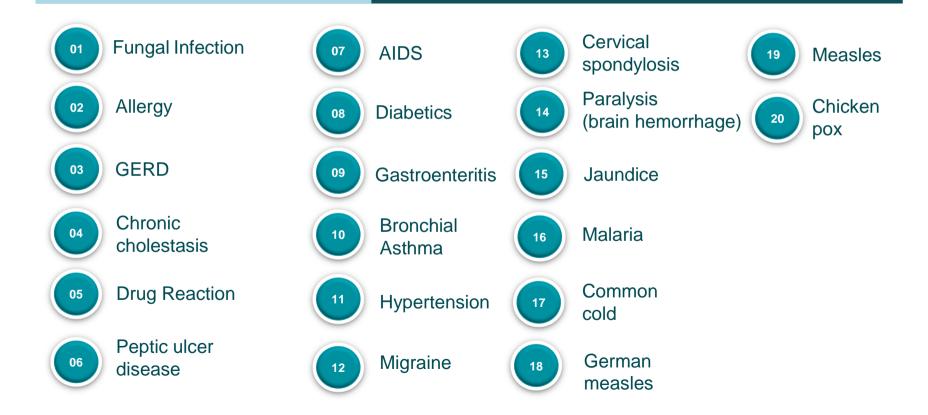
Ignorance about the health.

Carelessness in eating.

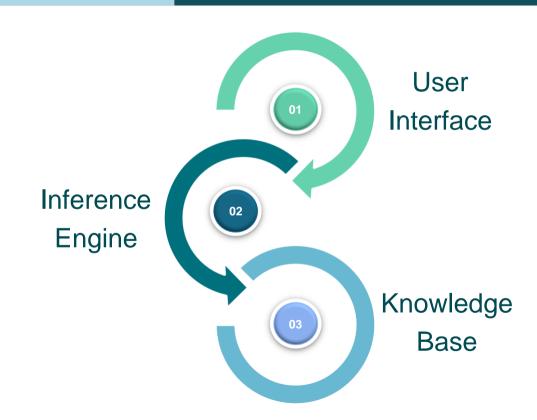
Aims and Objective



Queries we've considered



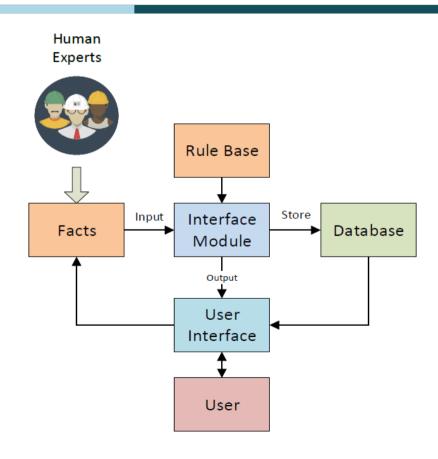
Core components



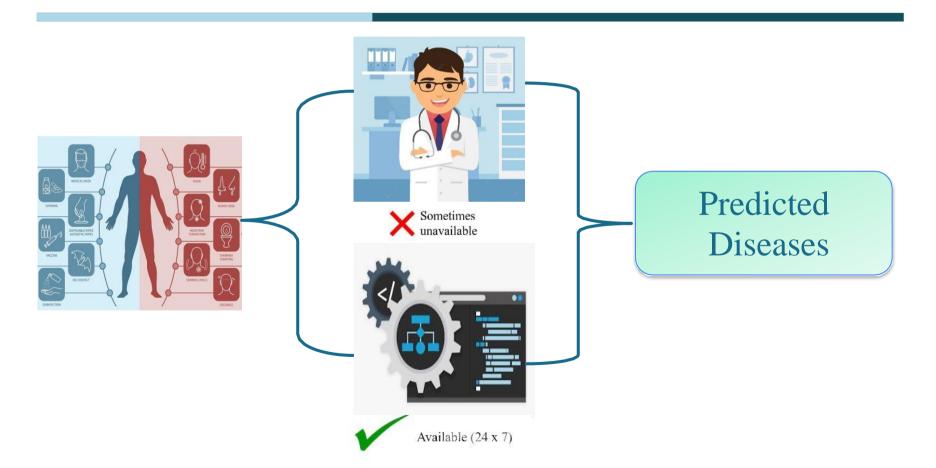
Query Table

Symptom	Jaundice	Malaria
Itching	Y	
Vomiting	Y	Y
Fatigue	Y	
Weight loss	Y	
High fever	Y	Y
Dark urine	Y	
Yellowish skin	Y	
Chills		Y
Sweating		Y
nausea		Υ

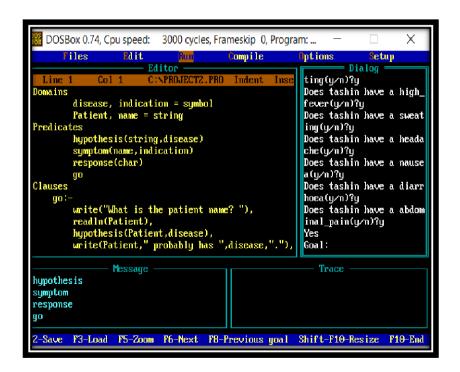
Architecture

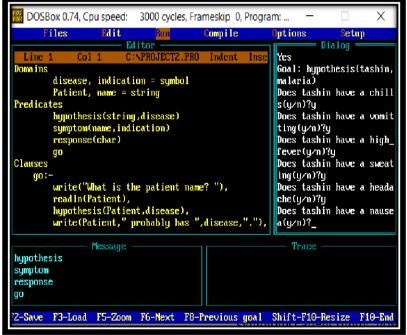


Methodology



Snapshots





Future Work





Including recommendations for diet and medications



Adding more precise rules and information



Changing the prolog based expert system to ML based system

