



Medical Diagnosis and Artificial Prescription Giving Expert System



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Introduction

- What is medical diagnosis ?
- What is Dengue, Common cold, Influenza, Measles, Paratyphoid?
- How our system will help in medical diagnosis?
- Goal of this project

Why this system?

- To solve a real life problem
- To reduce the health hazard of our people
- Ensure treatment for everyone
- Use AI in health sector

Application Feature

- **Functional**
- **Non functional**

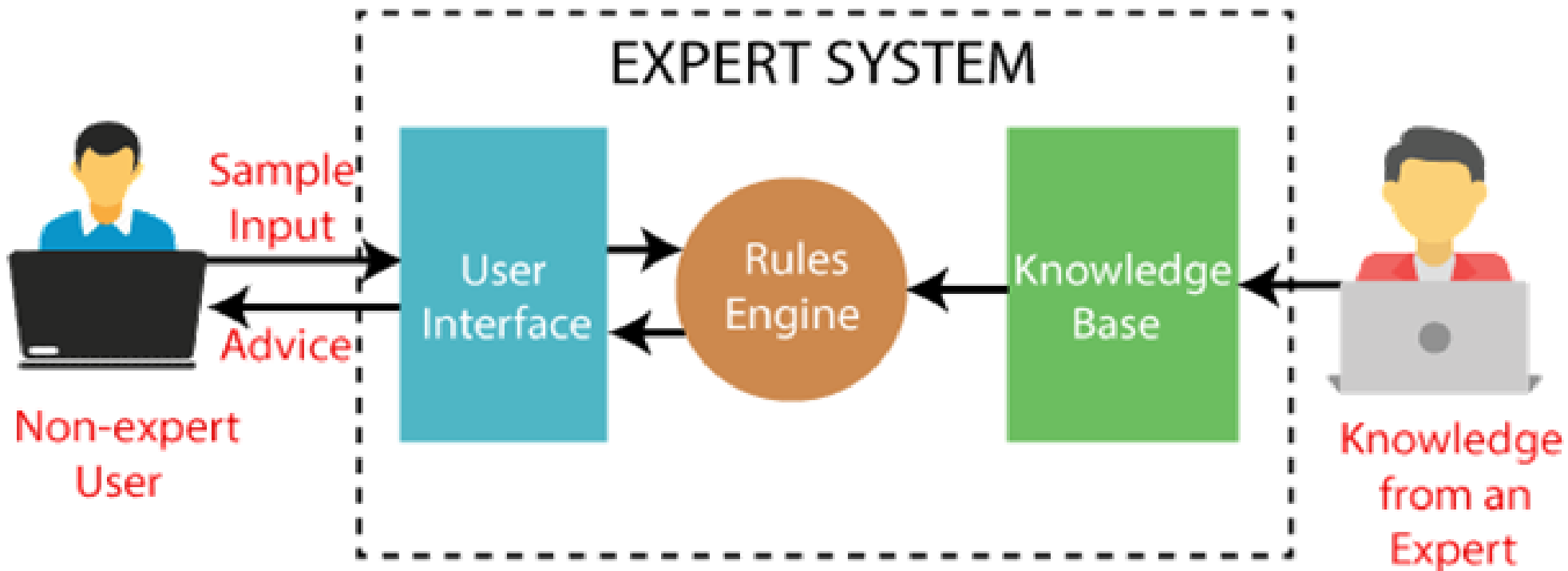
Functional Features

- System will take input from the user
- System will produce output as a prescription
- System interacts with its knowledge base

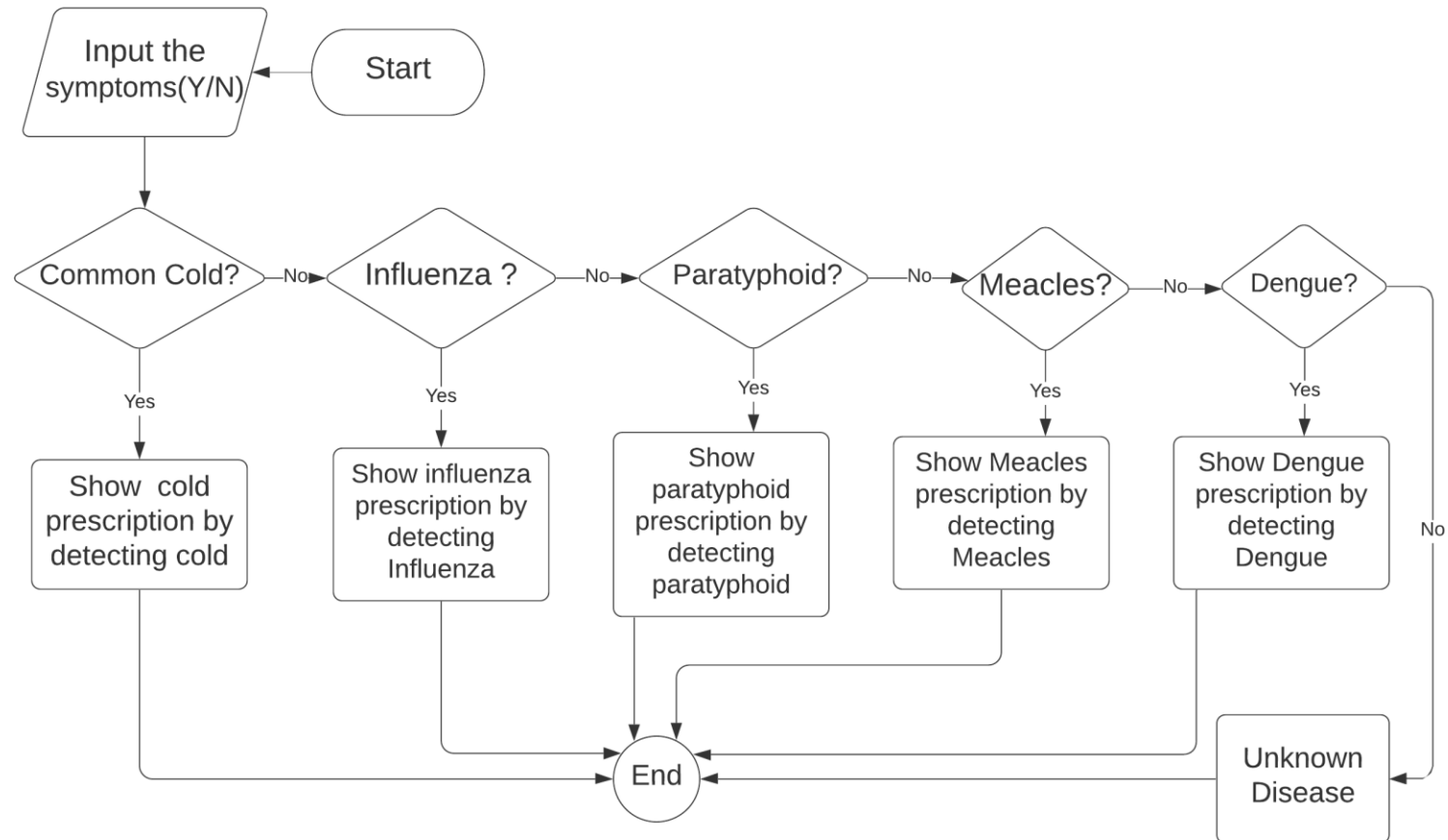
Non Functional features

- The system is secured
- The system is fast
- System responses quickly
- Our system is reliable
- Our system is well maintainable
- We can increase the capacity of our system by adding more features
- The serviceability of our system is good
- All data of the system are integrated properly

Architecture of our system



Design of our system



Snapshot of the system

```
?- go.  
Does the patient have following symptom:headache? y.  
Does the patient have following symptom:runny_nose? |: y.  
Does the patient have following symptom:sneezing? |: y.  
Does the patient have following symptom:sore_throat? |: n.  
Does the patient have following symptom:fever? |: y.  
Does the patient have following symptom:chills? |: y.  
Does the patient have following symptom:body_ache? |: y.
```

Advices and Sugestions:

1: Tamiflu/tab

2: panadol/tab

3: Zanamivir/tab

Please take a warm bath and do salt gargling Because

I believe that the patient haveinfluenza

TAKE CARE

true.

```
?-
```

Limitations

- ▶ Our system detect only five diseases
- ▶ We can improve the UI of this system
- ▶ This app only runs offline
- ▶ This app only runs in Personal computers
- ▶ User cannot store or calculate BMI or body weights
- ▶ User might not be aware of the unit(mg/dl) that the app is using to store diabetes entries
- ▶ This app is not integrated with the IoT devices

Future work

- ▶ I will enrich the knowledge base of this system
- ▶ This system will detect more disease in future
- ▶ This system will help in other health sector

Conclusion

- ▶ Using this system our poor and rural people will be more benefited
- ▶ Work pressure of doctors will be reduced
- ▶ We can automate the medical sector



Thank You Everyone