



# **Veterinary Diagnosis Expert system**

## **Overview**

This expert system helps users find out what might be wrong with their cat or dog by asking simple yes/no questions about the animal's symptoms. Based on the answers, the system gives a possible diagnosis. It is made using CLIPS and is meant to be a basic veterinary tool for learning purposes.

## **Requirements**

To run the system, you will need:

- CLIPS 6.3 or any compatible version

## **Installation and Setup Instructions**

- 1- Open the CLIPS.
2. Click on "File" > "Load..."
3. Locate and select the file named  
"Veterinary\_Diagnosis\_Expert\_System\_Group2. clp"
4. In the CLIPS command prompt, type the following:  
> (reset)  
> (run)

## Scenario 1:

- The system will ask about pet type.

```
Welcome to the Veterinary Diagnosis Expert System
This system will help you diagnose your pet based on symptoms
Please answer the following questions by yes/no

Is your pet a cat? (yes/no): y
```

- If the user's input is incorrect, the system will ask the user to type again.

```
Is your pet a cat? (yes/no): y
Invalid input. Please type yes or no only:
Is your pet a cat? (yes/no): yes
```

- The system will ask the user about their pet's symptoms.

```
Does your cat have fever? (yes/no): no
Does your cat have vomiting? (yes/no): yes
Does your cat have diarrhea? (yes/no): yes
```

- When the system finds a matching diagnosis, it will display it to the user.

```
Does your cat have fever? (yes/no): no
Does your cat have vomiting? (yes/no): yes
Does your cat have diarrhea? (yes/no): yes

Diagnosis: Gastroenteritis.
CUPS> █
```

## Scenario 2:

- The system will ask about pet type.

```
Welcome to the Veterinary Diagnosis Expert System
This system will help you diagnose your pet based on symptoms
Please answer the following questions by yes/no
```

```
Is your pet a cat? (yes/no): no
```

- If the user's input was “no”, the system will ask the user if the pet is dog.

```
Is your pet a cat? (yes/no): no
Is your pet a dog? (yes/no): yes
```

- When the system finds a matching diagnosis, it will display it to the user.

```
Does your dog have fever? (yes/no): yes
Does your dog have coughing? (yes/no): yes
```

```
Diagnosis: Respiratory Infection.
```

## Scenario 3:

- The system will ask about pet type.

```
Welcome to the Veterinary Diagnosis Expert System
This system will help you diagnose your pet based on symptoms
Please answer the following questions by yes/no
```

```
Is your pet a cat? (yes/no): no
Is your pet a dog? (yes/no): no
```

- If both answers were “no” system will halt

```
Is your pet a cat? (yes/no): no
Is your pet a dog? (yes/no): no
```

```
No pet selected, Thank you.
```