s and Artificial Intelligence Cairo University.

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- intro to logic
- Under
  Supervision Dr.
- projct: Number 1
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Diagnosis expert system

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1- Project-Name : A Diagnosis expert system

2- I got the information using search on google

&Resources(are mentioned in last page)

3- Diagnosis Expert System: the system is used to Detect 3-types of diseases which have nearly the same <mark>symptoms</mark> , So, The System gives you the highest chance of your illness according to some listed question which the (user) have to answer them ,

As, We all know that **it's helpful to** detect diseases at early stage so it can enable us to overcome and treat them appropriately. So A Diagnosis expert system (DExS) can help a great deal in identifying those diseases with a listed percentage % of occurrence of each disease (in screenshot)

Diseases are:

1. **Arthritis**

2. **Rush**

3. **Malaria**

1. Arthritis

Arthritis caused by an infection is called 'reactive arthritis'. It's very difficult to diagnose and can develop at any age, but is more commonly seen in younger people. Reactive arthritis can last between a few weeks to 6 months.

Arthritis is not one disease alone, but an umbrella term for many conditions that affect the joints of the body. But we choose the most known&urgrnt symptoms

Most known symptoms of Arthisit are:

- Muscular pain(High, 'main-symptoms')
- Joint swelling
- **shortness of breath(medium-high)**
- **crack on skin (low-medium)**
- **High muscular pain(high)**
- **Headache(medium-high)**
- **Joint-pain(low-medium)**
- Skin sensitivity "itch" (high)

2.Rash(Skin)

A rash is defined as a widespread eruption of skin lesions. It is a very broad medical term. Rashes can vary in appearance greatly, and there are many potential causes.

Most known symptoms of Rash are:

- Fever
- Muscular pain
- Joint pain
- Joint swelling
- Headache
- Shortness of breath
- Neurological problems
- Crack on skin
- Fever (rare chance of occur)

3.Malaria

Malaria is a potentially life-threatening disease caused by infection with Plasmodium protozoa transmitted by an infective female Anopheles mosquito. Infection caused by a particular specie of the protozoa called Plasmodium falciparum caries a poor prognosis with high mortality if untreated, but it has an excellent prognosis if diagnosed early and treated appropriately

Most known symptoms of malaria are:

- Fever(high)
- Headache
- High Fever (High chance of occur)
- Deep breathing and respiratory distress (Shortness of Breath) (medium)
- Muscle pain(rare-low)
- Joint pain(medium)
- Skin sensitivity(high)
- Crack on skin(medium)

Resources

https://en.wikipedia.org/wiki/Arthritis https://en.wikipedia.org/wiki/Rash

https://en.wikipedia.org/wiki/Malaria

https://apps.apple.com/us/app/ويب-طب-الطب-والصحة/id898633889

https://www.webteb.com/orthopedics-and-rheumatology/التها ب-المفاصل

https://www.webteb.com/dermatology/diseases/الطفح-الجلد ى

https://mawdoo3.com/مرض_الملاريا