Diagnozo

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Contents

Abstract

Diagnozo will hopefully be a tool to allow finding a medical diagnosis based upon a tag based filtering system.

1 Tools

1.1 list_diagnosis.rb

1.1.1 Usage

```
ruby list_diagnosis.rb
```

1.1.2 Explanation

Lists all in diagnozo.xml included diagnosesis.

2   The diagnosis database: Diagnozo.xml

The Diagnozo.xml[1] file contains the informations related to a diagnosis.

I suggest the following xml elements and attributes. Have a look at this example:

Listing 1: "First version of Diagnozo.xml"

```
<diagnozo>
        <diagnosis name="Azygos␣lobe">
                <url>http://en.wikipedia.org/wiki/
                    Azygos_lobe</url>
                <xray>small line in the upper lobe of the
                    right lung<xray/>
        </diagnosis>
        <diagnosis name="Insufficient␣inspiration">
                <xray>unsharp dens hilar vessels<xray/>
                <xray>pulmonary increased streaking<xray>
                <differentialdiagnosis>Heart failure<
                    differentialdiagnosis>
        </diagnosis>
</diagnozo>
```

2.1   Attributes

name name of the diagnosis

2.2   Elements

All elements can be used multiple times per diagnosis.

url urls

anamnesis something the patient says

pe a physical examination. That is something a physician can diagnose by examine the body of a patient

region region of the body where the disease can occure

xray how does the diagnosis look like in native x-ray images

ct how does the diagnosis look like in computed tomography scans

mri how does the diagnosis look like in computed tomography scans

dd a differential diagnosis

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[1]Diagnozo is esperanto for "diagnosis".

3 To Do

- test driven development

- XML validation

- securing unique diagnosis

- Web interface tags $\rightarrow$ diagnosis

- Web interface diagnozo.xml editor with version control

- Language check through native speaker

- Deciding which license to use

4 Possible additional features

- Learning tool "diagnosis by tags"

5 License

Not yet decided. Some copyleft like CC, GFDL.