Exercise

Model definition

• What are objects?
  – … and their attributes
  – What are operations that changes values of the attributes?
• What are roles?
• What are security actions?
• What are users?
• What are **objects**?
  – … and their **attributes**
    • Cave and Food stored in it
  – What are **operations** that changes values of the attributes?

• What are **roles**?

• What are **security actions**?

• Who are **users**?
• What are objects?
  – … and their attributes
    • Cave and Food stored in it
  – What are operations that changes values of the attributes?
    • Store food, Remove food, Give foods image, Change food

• What are roles?
  – Cavemen, Good friend

• What are security actions?

• Who are users?
Model definition: (toy)

Example

- What are **objects**?
  - … and their **attributes**
    - Cave and Food stored in it
  - What are **operations** that changes values of the attributes?
    - Store food, Remove food, Give foods image, Change food

- What are **roles**?
  - Cavemen, Good friend

- What are **security actions**?
  - Add, Remove, View, Change

- Who are **users**?
Demo

Scenario

- Increasing number of documents
- Need to secure the document content
- Display part of document to different stakeholders

<table>
<thead>
<tr>
<th>Patient</th>
<th>Name: Alexander Starkov</th>
<th>Legal code: 5521512311521</th>
</tr>
</thead>
<tbody>
<tr>
<td>Age</td>
<td>50 years</td>
<td></td>
</tr>
<tr>
<td>Complaints</td>
<td>Headache on forehead during last 2 days. Striking pain to left arm and elbow. Slept 5-6 hours for the last three weeks period</td>
<td></td>
</tr>
<tr>
<td>Primary diagnosis</td>
<td>P.33.83 - Exhaustion, exhaustive/physical NEC</td>
<td></td>
</tr>
<tr>
<td>Opinion</td>
<td>Blood pressure high and slept too little. Should go on a regular 8-hour sleeping mode. 1 week in home regime.</td>
<td></td>
</tr>
<tr>
<td>Observations</td>
<td>1 x massage 45min; 1 x term 30min</td>
<td></td>
</tr>
</tbody>
</table>

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Doctor's signature and date
Scenario

- Increasing number of documents
- Need to secure the document content
- Display part of document to different stakeholders

{role=(Eve, Receptionist)}
{protected=(addPatientData)}
{right=(Receptionist, addPatientData)}
{role=(Ann, Nurse)}
{protected=(addComplainsObservations)}
{right=(Nurse, addComplainsObservations)}

{role=(John, Doctor)}
{protected=(displayRecord)}
{right=(Doctor, displayRecord)}
{right=(Doctor, addDiagnosis)}
Demo