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<?xml version="1.0" encoding="UTF-8" ?>
<!DOCTYPE aspect_oriented_model (View Source for full doctype...)>
- <aspect_oriented_model>
- <goal_model id="GM1" name="Manage [health service]">
  <softgoal id="G1" name="Make [health service] better"
    decomposition_label="and" />
  - <goal id="G2" name="Manage [health service]" decomposition_label="and">
    - <goal id="G3" name="Manage [complaints] and [notifications]"
      decomposition_label="and">
      - <task id="T3.1" name="Specify [complaint]"
        decomposition_label="and">
        - <task id="T3.1.1" name="Select [kind of complaint]"
          decomposition_label="and">
          <task id="T3.1.1.1" name="Select [diverse complaint]"
            decomposition_label="or" />
          <task id="T3.1.1.2" name="Select [food complaint]"
            decomposition_label="or" />
          <task id="T3.1.1.3" name="Select [animal complaint]"
            decomposition_label="or" />
          </task>
          <task id="T3.1.2" name="Register [kind], [date], [time] of the
            [complaint]" decomposition_label="and" />
          <task id="T3.1.3" name="Request [complaint information]"
            decomposition_label="and" />
          <task id="T3.1.4" name="Register [complaint information]"
            decomposition_label="and" />
          <task id="T3.1.5" name="Show [complaint code]"
            decomposition_label="and" />
          </task>
        - <task id="T3.2" name="Update [complaint]"
          decomposition_label="and">
          <task id="T3.2.1" name="Request [complaint code]"
            decomposition_label="and" />
          <task id="T3.2.2" name="Show [complaint information]"
            decomposition_label="and" />
          <task id="T3.2.3" name="Request [conclusion]"
            decomposition_label="and" />
          <task id="T3.2.4" name="Register [conclusion] and [employee]
            who gave conclusion" decomposition_label="and" />
          </task>
        </goal>
      - <goal id="G4" name="Make [information on health service] available"
        decomposition_label="and">
        - <task id="T4.1" name="Register [information]"
          decomposition_label="and">
          <task id="T4.1.1" name="Register [health unit]"
            decomposition_label="and" />
          <task id="T4.1.2" name="Register [speacialty]"
            decomposition_label="and" />
          <task id="T4.1.3" name="Register [employee]"
            decomposition_label="and" />
          <task id="T4.1.4" name="Register [disease]"
            decomposition_label="and" />
          <task id="T4.1.5" name="Register [symptom]"
            decomposition_label="and" />
          </task>
        - <task id="T4.2" name="Provide [information]"

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decomposition_label="and">
- <task id="T4.2.1" name="Provide [health guide information]"
  decomposition_label="or">
- <task id="T4.2.1.1" name="Show [health units] take care of
  a specific [specialty]" decomposition_label="or">
  <task id="T4.2.1.1.1" name="Select [specialty]"
    decomposition_label="and" />
  </task>
- <task id="T4.2.1.2" name="Show [specialties] of a [health
  unit]" decomposition_label="or">
  <task id="T4.2.1.2.1" name="Select [unit]"
    decomposition_label="and" />
  </task>
</task>
- <task id="T4.2.2" name="Provide [diverse information]"
  decomposition_label="or">
- <task id="T4.2.2.3" name="Provide [complaint
  information]" decomposition_label="and">
  <task_ref id="T3.2.1" decomposition_label="and" />
  <task_ref id="T3.2.2" decomposition_label="and" />
  </task>
- <task id="T4.2.2.2" name="Provide [diseases]"
  decomposition_label="and">
  <task id="T4.2.2.2.1" name="Select [disease]"
    decomposition_label="and" />
  <task id="T4.2.2.2.2" name="Show [disease]"
    decomposition_label="and" />
  </task>
</task>
</task>
</goal>
</goal>
- <correlation_relationship label="help">
- <source>
  <goal_ref id="G2" decomposition_label="and" />
</source>
- <target>
  <softgoal_ref id="G1" decomposition_label="and" />
</target>
</correlation_relationship>
</goal_model>
- <goal_model id="GM15" name="Persistence">
- <goal id="G15.1" name="Persistence" decomposition_label="and">
- <task id="T15.1.1" decomposition_label="and" name="Persistence in
  [DB]">
  <task id="T15.1.1.7" name="Persistence in [Microsoft Access]"
    decomposition_label="or" />
  <task id="T15.1.1.5" name="Persistence in [Oracle]"
    decomposition_label="or" />
  <task id="T15.1.1.6" name="Persistence in [MySQL]"
    decomposition_label="or" />
  <task id="T15.1.1.1" name="Verify if [DB] is connected"
    decomposition_label="and" />
  <task id="T15.1.1.2" name="Initiate [DB]"
    decomposition_label="and" />
  <task id="T15.1.1.3" name="Connect [DB]"
    decomposition_label="and" />

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- <task id="T15.1.3" decomposition_label="and" name="Make register
  operation">
  <task id="T15.1.3.1" name="Include [data]"
    decomposition_label="or" />
  <task id="T15.1.3.2" name="Select [data]"
    decomposition_label="or" />
  <task id="T15.1.3.3" name="Delete [data]"
    decomposition_label="or" />
  <task id="T15.1.3.4" name="Update [data]"
    decomposition_label="or" />
</task>
  <task id="T15.1.1.4" name="Disconnect [DB]"
    decomposition_label="and" />
</task>
</goal>
- <crosscutting_relationship>
- <source>
  <task_ref id="T15.1.1" decomposition_label="and" />
</source>
- <pointcut id="P15.1" name="make register operation">
- <pointcut_expression>
  - <operand primitive="include">
    <regular_expression text="Register.*" param="name"
      type="task" />
  </operand>
  <and />
  - <pointcut_expression>
    <not />
    - <operand primitive="include">
      <task_ref id="T4.1" decomposition_label="and" />
    </operand>
  </pointcut_expression>
</pointcut_expression>
</pointcut>
- <pointcut id="P15.2" name="set DB">
- <pointcut_expression>
  - <operand primitive="include">
    <softgoal_ref id="S3.2" decomposition_label="and" />
  </operand>
</pointcut_expression>
</pointcut>
- <intertype_declaration type="element">
- <a_it_expression>
  <pointcut_ref id="P15.2" />
</a_it_expression>
- <intertype_declaration_body>
  - <task id="T3.1.2.4" decomposition_label="make" name="Set
    [DB]">
    <task id="T3.1.2.10" name="Select [Microsoft Access]"
      decomposition_label="or" />
    <task id="T3.1.2.11" name="Select [Oracle]"
      decomposition_label="or" />
    <task id="T3.1.2.12" name="Select [MySQL]"
      decomposition_label="or" />
  </task>
</intertype_declaration_body>

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</intertype_declaration>
- <advice type="around">
  - <a_it_expression>
    <pointcut_ref id="P15.1" />
  </a_it_expression>
  - <advice_body>
    <task_ref id="T15.1.3" decomposition_label="and" />
  </advice_body>
</advice>
</crosscutting_relationship>
</goal_model>
- <goal_model id="GM5" name="Reliability">
  <softgoal id="S5.1" name="Reliability" decomposition_label="and" />
  - <goal id="G5.2" name="Handling [exception]" decomposition_label="and">
    <task id="T5.2.1" decomposition_label="and" name="Detect
      [exception]" />
    <task id="T5.2.4" decomposition_label="and" name="Apply [dealer]" />
  </goal>
  - <crosscutting_relationship>
    - <source>
      <task_ref id="T5.2.1" decomposition_label="and" />
    </source>
    - <pointcut id="PC5.3" name="persistence">
      - <pointcut_expression>
        - <operand primitive="include">
          <task_ref id="T15.1.1" decomposition_label="and" />
        </operand>
      </pointcut_expression>
    </pointcut>
    - <pointcut id="PC5.4" name="authentication">
      - <pointcut_expression>
        - <operand primitive="include">
          <task_ref id="T9.3.3" decomposition_label="and" />
        </operand>
      </pointcut_expression>
    </pointcut>
    - <pointcut id="PC5.5" name="availability">
      - <pointcut_expression>
        - <operand primitive="include">
          <softgoal_ref id="S9.3" decomposition_label="and" />
        </operand>
      </pointcut_expression>
    </pointcut>
  - <intertype_declaration type="element">
    - <a_it_expression>
      <pointcut_ref id="PC5.3" />
    </a_it_expression>
    - <intertype_declaration_body>
      <task id="T5.2.1.3" name="Detect [persistence exception]"
        decomposition_label="and" />
    </intertype_declaration_body>
  </intertype_declaration>
  - <intertype_declaration type="element">
    - <a_it_expression>
      <pointcut_ref id="PC5.4" />
    </a_it_expression>

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- <intertype_declaration_body>
  <task id="T5.2.1.1" name="Detect [authentication exception]"
    decomposition_label="and" />
</intertype_declaration_body>
</intertype_declaration>
- <intertype_declaration type="element">
  - <a_it_expression>
    <pointcut_ref id="PC5.5" />
  </a_it_expression>
  - <intertype_declaration_body>
    <task id="T5.2.1.2" name="Detect [availability exception]"
      decomposition_label="and" />
    </intertype_declaration_body>
  </intertype_declaration>
</crosscutting_relationship>
- <correlation_relationship label="help">
  - <source>
    <softgoal_ref id="S5.1" decomposition_label="and" />
  </source>
  - <target>
    <softgoal_ref id="G1" decomposition_label="and" />
  </target>
</correlation_relationship>
- <correlation_relationship label="make">
  - <source>
    <goal_ref id="G5.2" decomposition_label="and" />
  </source>
  - <target>
    <softgoal_ref id="S5.1" decomposition_label="and" />
  </target>
</correlation_relationship>
</goal_model>
- <goal_model id="GM9" name="Security">
  - <softgoal id="S9.0" name="Security" decomposition_label="and">
    <softgoal id="S9.3" name="Availability" decomposition_label="make" />
  </softgoal>
  - <goal id="G9.3" name="Authentication" decomposition_label="and">
    <task id="T9.3.3" name="Authentication by Login"
      decomposition_label="and" />
    - <task id="T9.3.4" name="Validate [data]" decomposition_label="and">
      <task id="T9.3.4.2" name="Compare [data] with [credentials]"
        decomposition_label="and" />
    </task>
    - <goal id="G9.3.5" name="Authorization" decomposition_label="and">
      <task id="T9.3.5.1" name="Select [permissions] to [data]"
        decomposition_label="and" />
      <task id="T9.3.5.2" name="Set [permissions]"
        decomposition_label="and" />
      - <task id="T9.3.5.3" name="Control [access]"
        decomposition_label="and">
        <task id="T9.3.5.3.1" name="Restrict [access] to [functions]"
          decomposition_label="and" />
        <task id="T9.3.5.3.2" name="Restrict [access] to [data]"
          decomposition_label="and" />
      </task>
    </goal>
  </goal_model>

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- <correlation_relationship label="make">
- <source>
  <softgoal_ref id="G9.3" decomposition_label="and" />
</source>
- <target>
  <softgoal_ref id="S9.0" decomposition_label="and" />
</target>
</correlation_relationship>
- <crosscutting_relationship>
- <source>
  <goal_ref id="G9.3" decomposition_label="and" />
</source>
- <pointcut id="P9.3.1" name="authentication">
- <pointcut_expression>
- <operand primitive="include">
  <task_ref id="T3.2" decomposition_label="and" />
</operand>
  <and />
- <operand primitive="include">
  <task_ref id="T4.1" decomposition_label="and" />
</operand>
</pointcut_expression>
</pointcut>
- <advice type="around">
- <a_it_expression>
  <pointcut_ref id="P9.3.1" />
</a_it_expression>
- <advice_body>
  <task_ref id="T9.3.3" decomposition_label="and" />
</advice_body>
</advice>
</crosscutting_relationship>
</goal>
- <goal id="G9.2" name="Cryptography" decomposition_label="and">
  <task id="T9.2.3" name="Asymmetric cryptography"
  decomposition_label="or" />
  <task id="T9.2.4" name="Symmetric cryptography"
  decomposition_label="or" />
- <task id="T9.2.5" name="Make [cryptography operations]"
  decomposition_label="and">
  <task id="T9.2.1" name="Encrypt [data]"
  decomposition_label="and" />
  <task id="T9.2.2" name="Decrypt [data]"
  decomposition_label="and" />
</task>
- <correlation_relationship label="help">
- <source>
  <goal_ref id="G9.2" decomposition_label="and" />
</source>
- <target>
  <softgoal_ref id="S9.0" decomposition_label="and" />
</target>
</correlation_relationship>
- <crosscutting_relationship>
- <source>
  <goal_ref id="G9.2" decomposition_label="and" />

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</source>
- <pointcut id="PC9.3.5.1" name="Symetric">
  - <pointcut_expression>
    - <operand primitive="include">
      <task_ref id="T9.3.3" decomposition_label="and" />
    </operand>
  </pointcut_expression>
</pointcut>
- <advice type="around">
  - <a_it_expression>
    <pointcut_ref id="PC9.3.5.1" />
  </a_it_expression>
  - <advice_body>
    <task_ref id="T9.2.4" decomposition_label="and" />
  </advice_body>
</advice>
</crosscutting_relationship>
</goal>
- <correlation_relationship label="help">
  - <source>
    <softgoal_ref id="S9.0" decomposition_label="and" />
  </source>
  - <target>
    <goal_ref id="G2" decomposition_label="and" />
  </target>
</correlation_relationship>
</goal_model>
- <goal_model id="GM10" name="Performance">
  <softgoal id="S10.1" name="Performance" decomposition_label="and" />
  <goal id="G10.1" name="Response time must not exceed 5 seconds"
    decomposition_label="and" />
  <goal id="G10.2" name="Capability to handle 20 simultaneous users"
    decomposition_label="and" />
- <correlation_relationship label="help">
  - <source>
    <goal_ref id="G10.1" decomposition_label="and" />
  </source>
  - <target>
    <softgoal_ref id="S10.1" decomposition_label="and" />
  </target>
</correlation_relationship>
- <correlation_relationship label="help">
  - <source>
    <goal_ref id="G10.2" decomposition_label="and" />
  </source>
  - <target>
    <softgoal_ref id="S10.1" decomposition_label="and" />
  </target>
</correlation_relationship>
- <correlation_relationship label="help">
  - <source>
    <softgoal_ref id="S10.1" decomposition_label="and" />
  </source>
  - <target>
    <softgoal_ref id="G1" decomposition_label="and" />
  </target>

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    </correlation_relationship>
  </goal_model>
- <goal_model id="GM3" name="Usability">
- <softgoal id="S3.1" name="Usability" decomposition_label="and">
  - <softgoal id="S3.1.1" decomposition_label="make" name="Usability
    [documentation]">
    <softgoal id="S3.1.1.2" decomposition_label="make" name="Usability
      [help] available on user interface" />
  </softgoal>
  - <softgoal id="S3.1.2" decomposition_label="make" name="Usability
    [user interface]">
    - <softgoal id="S3.1.2.7" decomposition_label="help"
      name="Accessibility">
      <task id="T3.1.2.2" decomposition_label="make" name="Access
        [functionality] with mouse" />
      <task id="T3.1.2.3" decomposition_label="make" name="Access
        [functionality] with keyboard" />
    </softgoal>
    <task id="T3.1.2.5" decomposition_label="make" name="Use [check
      box]" />
    <task id="T3.1.2.9" decomposition_label="make" name="Use [drop
      down box]" />
    <task id="T3.1.2.6" decomposition_label="make" name="Show [pop
      up window]" />
    <task id="T3.1.2.7" decomposition_label="make" name="Show
      [specific form]" />
    <task id="T3.1.2.8" decomposition_label="make" name="Show
      [information] friendly" />
  - <crosscutting_relationship>
    - <source>
      <softgoal_ref id="S3.1.2" decomposition_label="and" />
    </source>
  - <pointcut id="PC3.2" name="drop down box">
    - <pointcut_expression>
      - <operand primitive="include">
        <task_ref id="T3.1.1"
          decomposition_label="and" />
      </operand>
      <and />
      - <operand primitive="include">
        <task_ref id="T4.2.1.1.1"
          decomposition_label="and" />
      </operand>
    </pointcut_expression>
    <and />
    - <operand primitive="include">
      <task_ref id="T4.2.1.2.1"
        decomposition_label="and" />
    </operand>
  </pointcut_expression>
</pointcut>
- <pointcut id="PC3.3" name="specific form">
- <pointcut_expression>
- <operand primitive="include">
  <regular_expression text="Request.*" param="name"
    type="task" />
</operand>

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        </operand>
    </pointcut_expression>
</pointcut>
- <pointcut id="PC3.4" name="show information">
- <pointcut_expression>
- <operand primitive="include">
    <regular_expression text="Show.*" param="name"
        type="task" />
    </operand>
    </pointcut_expression>
</pointcut>
- <advice type="around">
- <a_it_expression>
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- <advice_body>
    <task_ref id="T3.1.2.9" decomposition_label="and" />
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</advice>
- <advice type="around">
- <a_it_expression>
    <pointcut_ref id="PC3.3" />
</a_it_expression>
- <advice_body>
    <task_ref id="T3.1.2.7" decomposition_label="and" />
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</advice>
- <advice type="around">
- <a_it_expression>
    <pointcut_ref id="PC3.4" />
</a_it_expression>
- <advice_body>
    <task_ref id="T3.1.2.8" decomposition_label="and" />
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</advice>
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</softgoal>
</softgoal>
- <softgoal id="S3.2" decomposition_label="make" name="Configurability">
- <correlation_relationship label="help">
- <source>
    <softgoal_ref id="S3.2" decomposition_label="and" />
</source>
- <target>
    <softgoal_ref id="S3.1" decomposition_label="and" />
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- <correlation_relationship label="help">
- <source>
    <softgoal_ref id="S3.1" decomposition_label="and" />
</source>
- <target>
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</correlation_relationship>

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</goal_model>  
</aspect_oriented_model>
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