Abstract

The purpose of the application view is described. A number of methods or models is given to use in this view: stakeholder and concerns, context diagram, static entity relationship models and dynamic flow models.
Application view overview

Customer objectives

Application

Functional

Conceptual

Realisation

Stakeholders and concerns

Context diagrams

Entity relationship models

Dynamic models

The application view

Gerrit Muller

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AVoverview
## Stakeholders and concerns MRI scanner

<table>
<thead>
<tr>
<th>Stakeholder</th>
<th>Concerns</th>
</tr>
</thead>
<tbody>
<tr>
<td>Government</td>
<td>Cost of care</td>
</tr>
<tr>
<td>Financial dir.</td>
<td>Cash flow, cost of op.</td>
</tr>
<tr>
<td>Insurance</td>
<td>Cost of care</td>
</tr>
<tr>
<td>Administration</td>
<td>Patient id, invoice</td>
</tr>
<tr>
<td>General practitioner</td>
<td>Patient, diagnosis, treatment</td>
</tr>
<tr>
<td>Ref. physician</td>
<td>Diagnosis, reimbursement</td>
</tr>
<tr>
<td>Radiologist</td>
<td>Diagnosis, reimbursement</td>
</tr>
<tr>
<td>Nurse</td>
<td>Patient, ease of work</td>
</tr>
<tr>
<td>Patient</td>
<td>Comfort, health</td>
</tr>
<tr>
<td>Family</td>
<td>Support</td>
</tr>
<tr>
<td>IT dep.</td>
<td>Conformance, security</td>
</tr>
<tr>
<td>Facility man.</td>
<td>Space, service supp.</td>
</tr>
<tr>
<td>Maintainer</td>
<td>Accessibility, safety</td>
</tr>
<tr>
<td>Cleaner</td>
<td>Accessibility, safety</td>
</tr>
</tbody>
</table>

### Legend
- Administrative
- Clinical
- Patient
- Support
Context of motorway management system

- Maintenance contractors
- Environmental monitoring
- Third party
- Other concerns
- Special applications
- Bus lanes
- Lorry lanes
- Restaurants
- Gas stations
- Toll tunnel
- Toll
- Specialized segments
- Special destinations
- Administrative
- Competing or cooperating?
- Advanced vehicle control
- Urban traffic control
- Fleet management
- Taxes
- Car administration
- Government
- Airports
- Railways
- Car repair
- Towing service
- "Add-ons"
- Needed for contingencies

The application view

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AVcontextMotorwayManagement
Example of simple TV application model

The application view

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AVsimpleTVmodel
Examples of dynamic models

flow models

state diagrams

time line

The application view

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AVdynamicModels
Productivity and Cost models

Typical use, events, configuration, working conditions lead to productivity model, which influences production rate.

Cost Of Ownership model

- Radiologist
- Nurse
- Security
- Administration
- Operator
- Personnel
- Consumables
- Service
- Facilities
- Financing
Dynamics of an URF examination room

8:30
9:00
9:30
10:00
10:30

patient 1, intestinal investigation
patient 2, simple X-ray
patient 3, intestinal investigation
patient 4, intestinal investigation
patient 5, intestinal investigation

changing room
waiting room
URF examination room