AOT Lab
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Adaptive Web Portals

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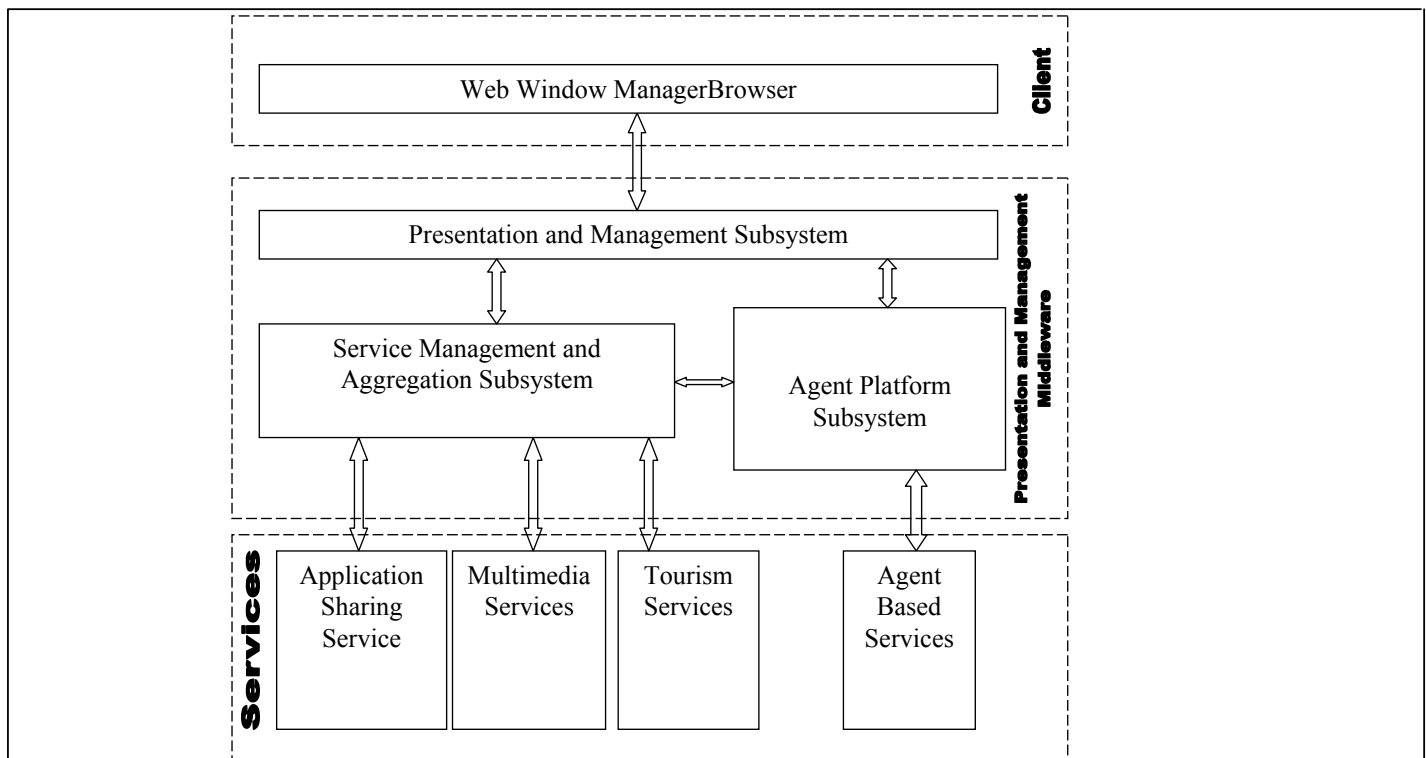
Competences

- The main competences of the AOT Lab team are:
  - Agent specification and design methodologies
  - Agent, Web and distributed systems on heterogeneous network and devices
  - Middleware and development tools for realizing multi agent systems (JADE and LEAP)
  - Systems and tools for collaborative work
- These competences derive from the collaboration with national and international partners inside several research projects.
- In particular, from some IST research project in which AOT Lab took and takes part (CoMMA, LEAP, Agentcities.RTD, Collaborator, @LIS TechNET).

Goal

- Development of tools for the realization of adaptive Web portals:
  - Device profile
  - User profile
  - Events

- Providing to all kinds of people:
  - Knowledge
  - Services
  - Knowledge and service composition

- Experimentation on CSCW and tourism services

Architecture

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┌─────────────────────────────────────────────────────┐
│  Web Window ManagerBrowser                    Client  │
└─────────────────────────────────────────────────────┘
                      ⇅
┌─────────────────────────────────────────────────────┐
│  Presentation and Management Subsystem                │
│         ⇅                          ⇅                   │
│  ┌──────────────────┐      ┌──────────────────┐       │
│  │ Service Management│ ⟷    │  Agent Platform  │       │
│  │ and Aggregation   │      │    Subsystem     │       │
│  │   Subsystem       │      │                  │       │
│  └──────────────────┘      └──────────────────┘       │
│    ⇅    ⇅    ⇅                      ⇅                   │
└─────────────────────────────────────────────────────┘
┌─────────────────────────────────────────────────────┐
│ Services                                              │
│ ┌────────┐ ┌────────┐ ┌────────┐   ┌────────┐         │
│ │Applica-│ │Multi-  │ │Tourism │   │ Agent  │         │
│ │tion    │ │media   │ │Services│   │ Based  │         │
│ │Sharing │ │Services│ │        │   │Services│         │
│ │Service │ │        │ │        │   │        │         │
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- ◆ Web and agent technologies integration

- ◆ Use of open source Java software:
  - ◆ Tomcat
  - ◆ Jetspeed
  - ◆ JADE/LEAP