Agents in Personal Mobility

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MATA'99

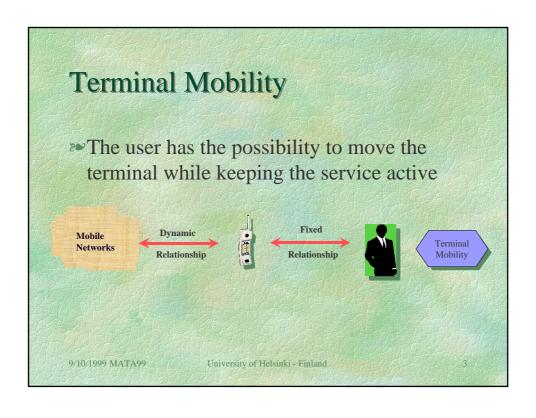
We Will Talk About:

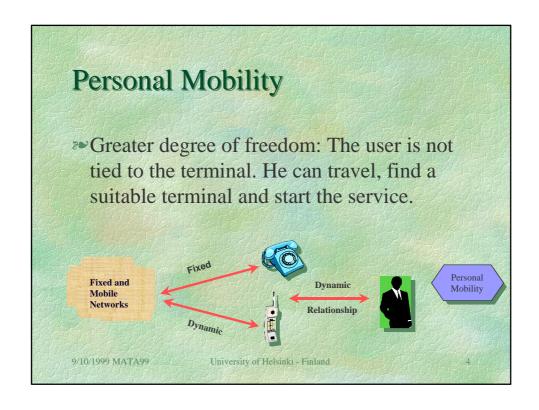
- Definitions of Terminal and Personal Mobility
- Architecture for Agents in Personal Mobility
- Examples of implementation of this architecture
- Refinements of the architecture

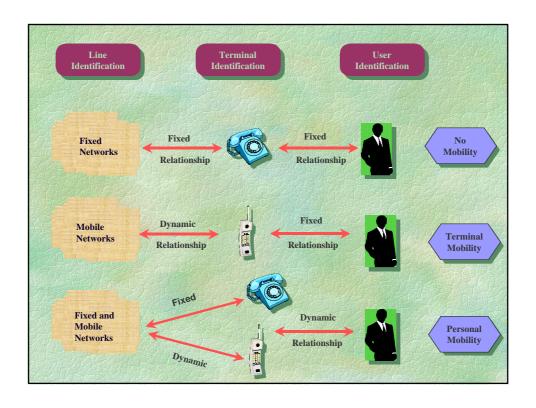
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Basic Elements

- The User the one who wants to start a service session
- The Service Provider that is the stageholder that offers services
- The Connectivity Provider that is the stageholder that takes care of physical connections

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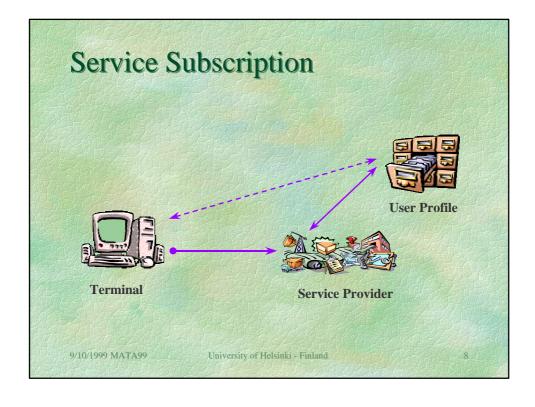
Basic Elements

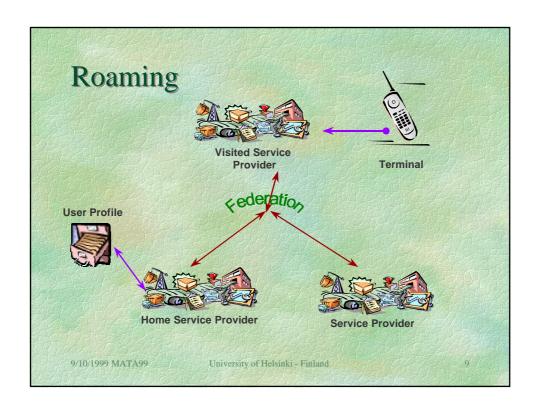
- The Terminal that connects the user with the Service Provider
- Mobil agents the software objects that act on behalf of the user
- **User profile that contains useful information about the behavior or preferences of the Users

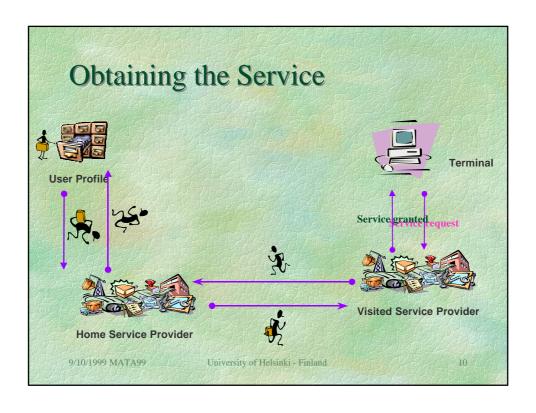
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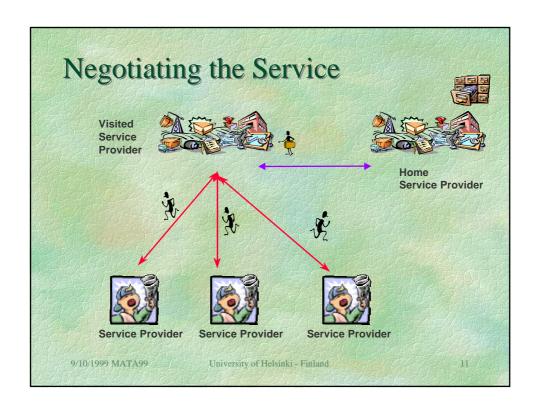
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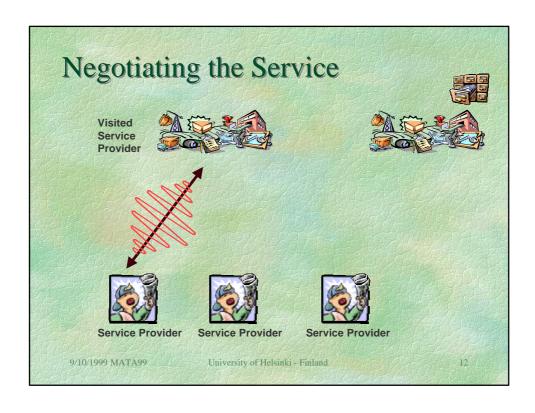
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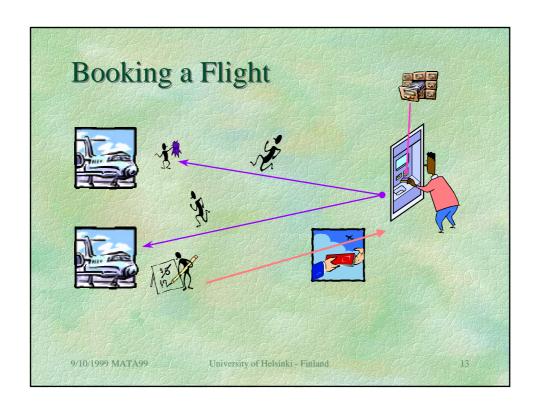


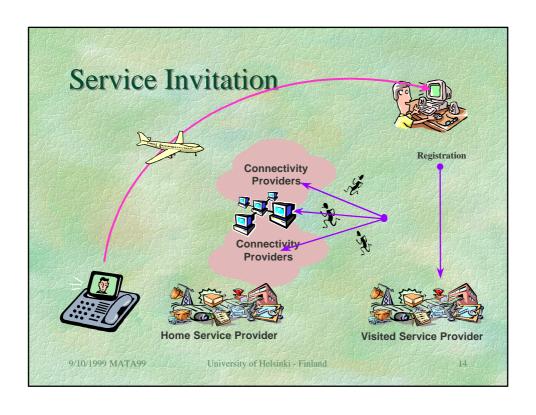


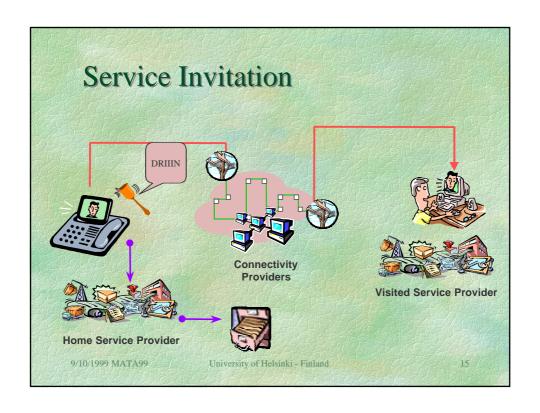












Conclusions

- The user is the entity that requests the service, but from the architectural point of view it is represented by the User Profile
- The terminal is just the mean to connect the User and the Service Provider. It can be a laptop, a GSM phone or just a cash dispenser. It is independent from the User.

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Conclusions

The User Profile is the core of the architecture. It contains the information needed to a Services: an exhaustive database or just a prepaid smart card. It can be mobile so to follow the User movements.

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Conclusions

- The Service Provider is the stageholder that offers services. The Home SP is the SP that has the User Profile
- The Mobile Agents are the communication means between other components. They can contain intelligence and information for the benefits of agents' principals

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