What will their children look like?
Mobile Clouds – Is it Possible to Use Mobile Devices as Cloud Service Providers?

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Problem Description

- The number of reasonably powerful mobile devices is steadily increasing
- Strong heterogeneity among mobile devices:
  - Operating system
  - Display size
  - ...

Gartner 2010
Mobile Clouds

• On top of a mobile Web Service approach the deployment of mobile clouds can be achieved.
Mobile Clouds

- Cloud Computing taxonomy
  - IaaS – Infrastructure as a Service
  - **PaaS – Platform as a Service**
  - SaaS – Software as a Service
- Provision of an environment that allows to deploy algorithms / solutions in a Cloud Computing scenario that consists of mobile devices.
- Implementation of the algorithms in JavaScript
Mobile Clouds – Is it Possible to Use Mobile Devices as Cloud Service Providers?
Thanks a lot…

… for your attention!

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CHALLENGES WEB-SELF SERVICES
CHALLENGES OF WEB-SELF SERVICES

OBJECTIVES:

- Getting the customer to service themselves rather than involving into costly manual processes.
- Provide electronic support to access information and perform routine tasks over the Internet.

CHALLENGES:

- Content Management
- Context Management.
- Knowledge Management.
DEALING WITH CONTENT MANAGEMENT

User centered Ranking & Rating

Up to date

Multi-language

Multi-interface

Content Management
Another important challenge is the proper integration of emerging technologies:

- semantic Web,
- social Web,
- mobile Web,
- advances in intelligent algorithms and methods for the automated delivery of content according with dynamic contexts and user needs.
CONTEXT MANAGEMENT

- Mobile Web
- Social Web
- Intelligent Content Delivery
ORGANIZATIONAL KNOWLEDGE MANAGEMENT

- Experience
- Learning

- Knowledge bases
- Data bases
- Ontologies

- Publication
- Dissemination

Generation
Integration
Sharing & reuse
Ontology-based Knowledge Management

- Modular Ontology Design
- Rule-based Maintainability
- Axiom-based Consistency
- Ontology Reuse
- Self Learning Knowledge Bases