CoreTech presents CoreAccess
CoreTech

Project Title: CoreAccess
Project Topic: Mobile GIS Application
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• Problem Definition
• Current Solutions
• CoreTech Approach
• CoreAccess Features
• Requirements
• What makes CoreAccess different?
Problem Definition

Accessing Information

- Quickly
- Anytime Anywhere
Social Life
Current Solutions - I

Orange Guide - Orange Telecom (Switzerland)

- Wide Coverage Area
- Huge Database

However;

- No Visual Support
- No Transportation Support
Current Solutions - II

NeNerede – Turkcell (Turkey)

- Nearest place via SMS
- Short Response Time

However;

- Only one response
- Cell ID Positioning method
CoreTech Approach

- Quick
- Mobile
- Available 7/24
- Most appropriate results
- Alternative suggestions
- Transportation guidance
- Visually improved
CoreTech Solution: **CoreAccess**

- Quick
- Mobile
- Available 7/24
- Most appropriate results
- Alternative suggestions
- Transportation guidance
- Visually improved
CoreAccess – User Side Positioning Methods

- Via GPS Receiver
- Via Browsing Map
- Manually
# CoreAccess – User Side

## Search Options

<table>
<thead>
<tr>
<th>Search by Category Name</th>
<th>Search by Attributes</th>
<th>Search on Map</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cinema</td>
<td>Activity Name</td>
<td><img src="image_url" alt="Map Image" /></td>
</tr>
<tr>
<td>Theatre</td>
<td>Activity Category</td>
<td></td>
</tr>
<tr>
<td>Sport Center</td>
<td>Activity Place</td>
<td></td>
</tr>
<tr>
<td>Concert Hall</td>
<td>Activity Date</td>
<td></td>
</tr>
</tbody>
</table>
Core Access – User Side

Result List

Written Details

• Activity Name
• Activity Place
• Activity Date & Time
• Place Address
• Place Phone Number
• Link to Transportation Options
CoreAccess – User Side
Transportation Guidance

- Vehicle Name
- Vehicle Info
- Vehicle Cost
- Travelling Time
- Distance to Destination
Core Access – Admin Side

- Managing Maps
  - Managing Nodes
- Managing Vehicles
- Defining Ontology
- Managing Activity Places
- Keeping Track of Logs
- Managing Content Managers
CoreAccess – Content Manager

- Managing Activities
- Adding Activity Descriptions
- Managing Specific Properties of Activity Places
  - Address
  - Phone Number, etc.
Requirements

- **Software Requirements**
  - Intergraph
  - .NET 2003 or Java for Server
  - .NET 2003 for PDA
  - Oracle DBMS
  - Protege and Jena

- **Hardware Requirements**
  - GPS Receiver
  - PDA
  - Server with high RAM
What makes Core Access Different?

- Web Services
- Ontology
- Transportation
- Multilingual
Thanks for Your Attention

Any Questions?

Web page:
www.cclub.metu.edu.tr/~mustafa/coretech