VXML Metalanguages

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Motivation

- VXML *applications* are more than just VXML.
- Multiple VXML pages are generated.
- Pages incorporate dynamic data.
- Applications execute backend functions such as database access, financial transactions, and computation.
Problems Addressed

• Primary
  – Application portability between servers
  – Support for common voice abstractions

• Secondary
  – Modularity
  – Application portability between tool sets
Committee Activities

• Several companies have submitted proposals for metalanguages.
• Several generic components for a metalanguage have been proposed.
Generic Components

• Model/View/Controller components.
• The view is VXML with *extension tags* to represent common abstractions and reference dynamic data.
• The model is represented in some interface description language.
Specific Proposals

• Extension tags
  – Implementation-independent version of Reusable Dialog Components
  – Oracle Voice Dialog Objects

• SCXML for controller component
Current Activities

- Developing a collection of motivating examples
- Specifying examples in candidate metalanguages
- Looking at longer-term extensions for more complex dialog structures
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