WSDL Service - Movie Showtimes

- Tried to find a real working web service
- Unsuccessful at finding one with OWL-S process model
- Found one with WSDL description
  - Find movie showtimes by ZIP code
Assam WSDL Annotator

- Machine learning to annotate WSDL web services in OWL-S
- Hasn’t been updated since 2004, can’t seem to get it to work
- Contains archive of a lot of annotated WSDL descriptions with their OWL-S process models
- Most of these don’t seem to work...
- Private web service to get weather information by ZIP, City/State, or IP address
- Requires a license key as a parameter to functions
Mapping to BPMN

- **Business Process Modeling Notation**
- Graphical representation for workflow process specification

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**Client**

- Send ZIP, LicenseKey
- Wait for response
- Is the message an error?
- Parse the info
- No
  - Send weather info
- Yes

**Server**

- Receive ZIP, LicenseKey
- Validate LicenseKey
- Is valid LicenseKey?
  - Yes
  - Send weather info
  - No
  - Send Error
- I don’t think there are many ambiguities with such a simple process
- BPMN not as rigorously defined
- Ambiguities in actions, data types
Follow Ups

- Find more complex services to do mapping for
- Specifically, compose services together
- Explore other languages (BPEL, PSL, IDEF3, UMLBPEL, PSL, IDEF3, UML)