OOR at Northeastern

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OOR Development Meeting
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OOR Activities

- OOR sandbox
- Use cases and other artifacts
- Gatekeeping and provenance
- Experiences
- Prototype development
- Projects that will use OOR
OOR Sandbox

- Installation of OOR sandbox
- System administration of the sandbox
  - Tejas Parikh
  - Sumit Purohit
- Updates to the sandbox
  - Move to new software versions
  - Move to new machine
- Local OOR instances
Software Engineering Artifacts

• Students have produced over 400 use case scenarios
  • Categorization in progress.
  • Specific scenarios will be published with permission

• They also produced over 100 use cases
  • These will be examined next

• Other software engineering artifacts
  • Sequence diagrams
  • Data models
  • Subsystem decompositions
KEEPER

• OOR gatekeeping and provenance component
• Related standards
  • ISO 11179
  • WS-BPEL
• Projects
  • Course projects (12 teams)
  • Sponsored projects (NIH)
  • Other projects
Experiences and Prototypes

- One student team is using KEEPER as the basis for their software development.
- Prototype systems are being developed by two teams.
- Sponsored projects will be using at least one of the prototypes in the context of OOR.
Disease Knowledge Using Biological Taxonomy, and Environmental Ontologies

• NIH project that will be curating ontologies, metadata and structured data.

• Ontologies
  - Species taxonomies
  - Environment ontology
  - Geolocation ontologies

• Heterogeneous data sources
  - Citation databases
  - Health reports