Assessment & Evaluation through Museum User Trials

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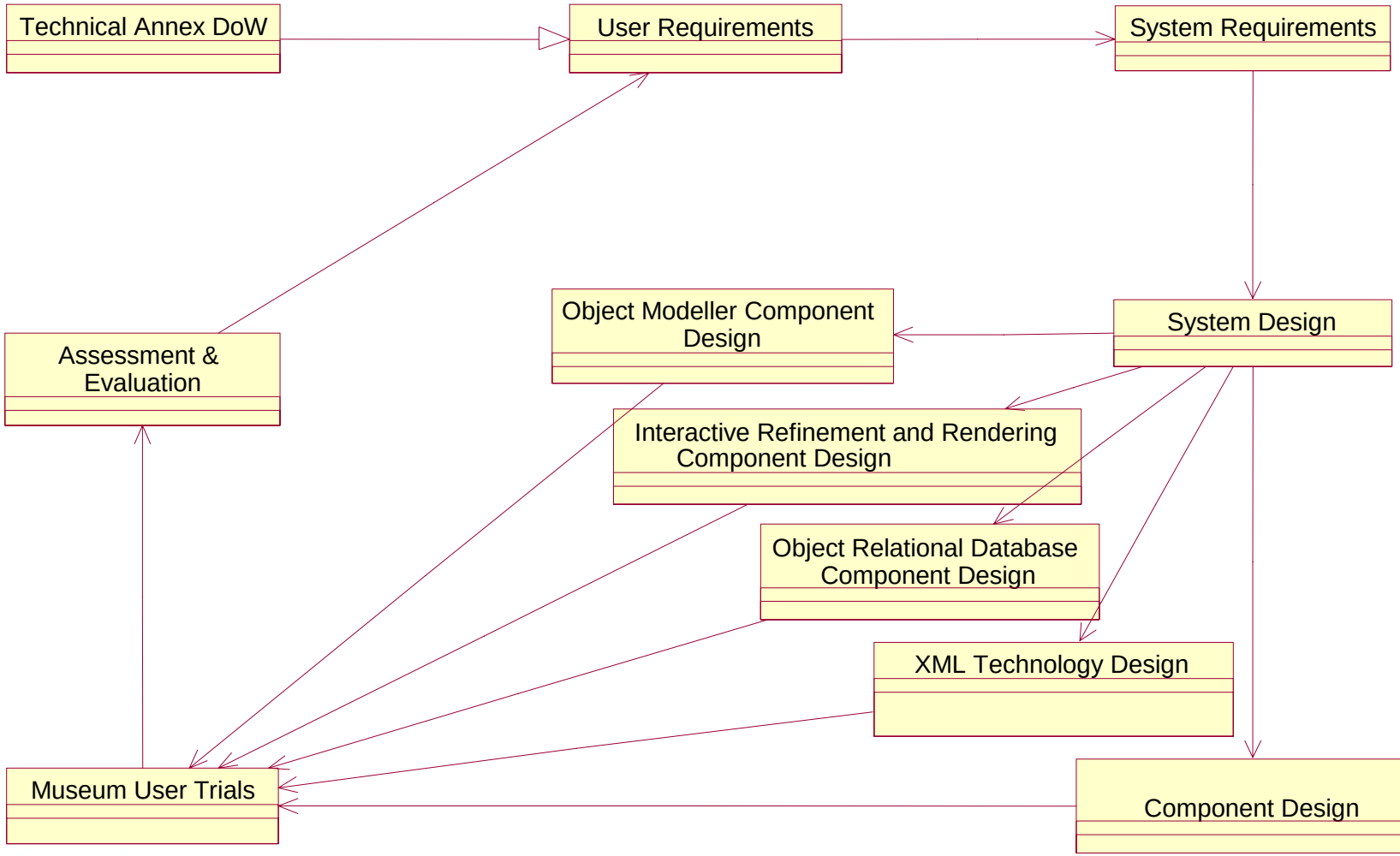
Overview

- Definition: Assessment & Evaluation through Museum User Trials
- Quality Assurance Methodology
  - User Requirements
  - System Requirements
  - System Design
  - Components Design
  - Museum User Trials
  - Assessment and Evaluation
- Conclusion

At a Glance

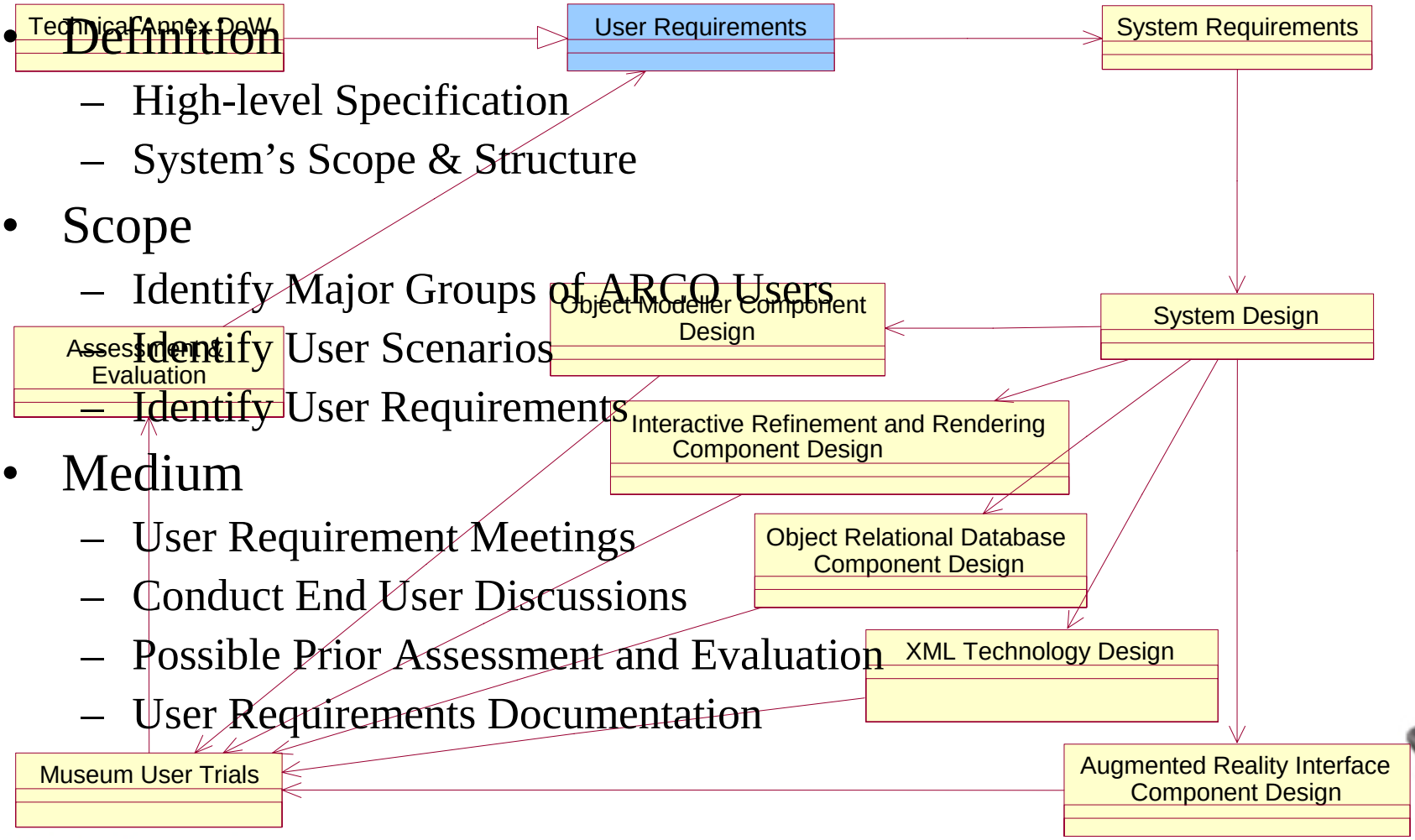
- Definition
  - Iterative Process
    - User Requirements → Technology Development → MUTs → Assessment and Evaluation
  - Occurs every ARCO prototype
- Objectives
  - Ensure Requirements Achievement
  - Measure Quality
- Medium
  - Interact with the End User
  - Software Engineering Analysis
  - Museum User Trials
  - Assessment and Evaluation

Quality Assurance Methodology



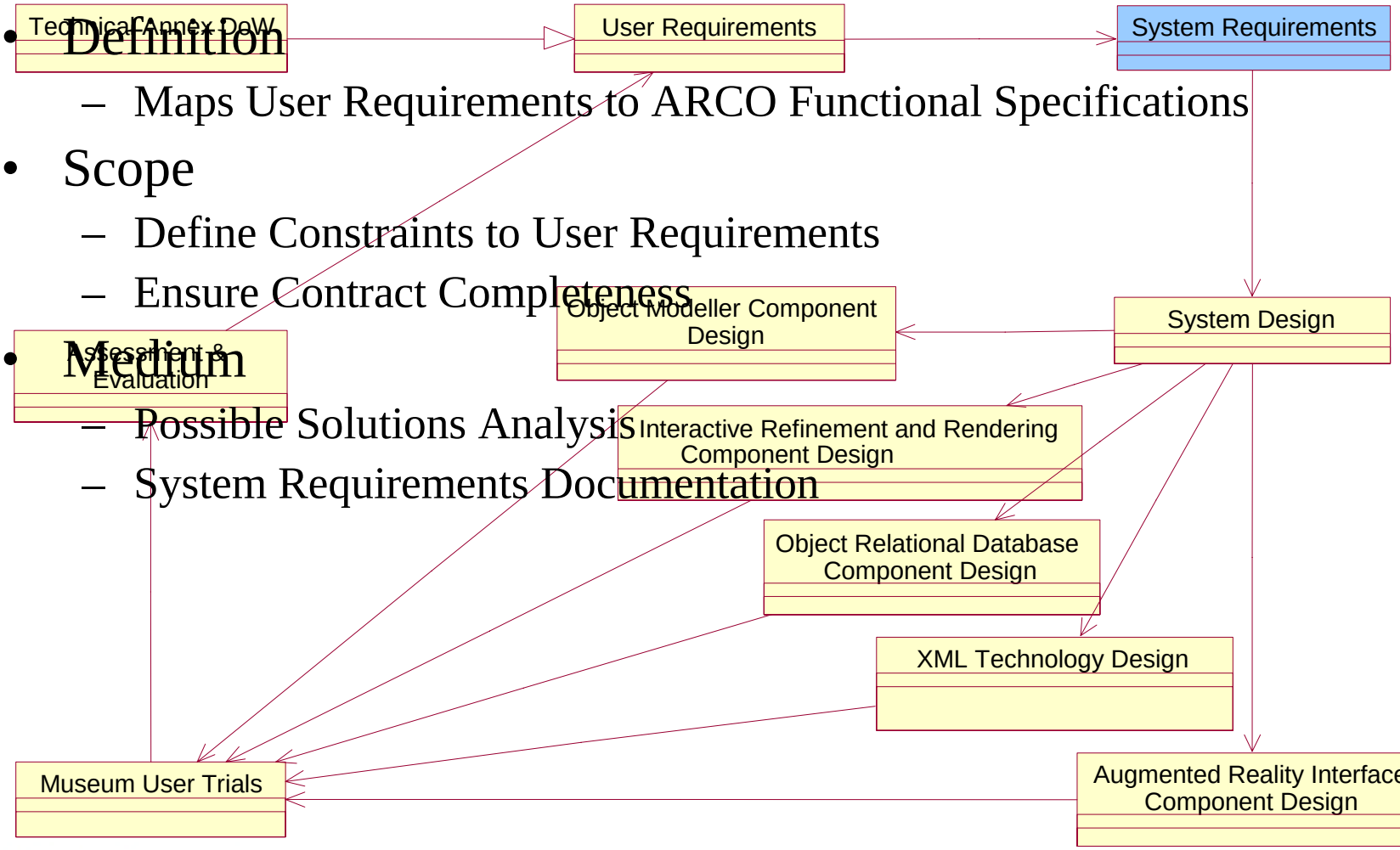
User Requirements

- Definition
  - High-level Specification
  - System's Scope & Structure
- Scope
  - Identify Major Groups of ARCO Users
  - Identify User Scenarios
  - Identify User Requirements
- Medium
  - User Requirement Meetings
  - Conduct End User Discussions
  - Possible Prior Assessment and Evaluation
  - User Requirements Documentation



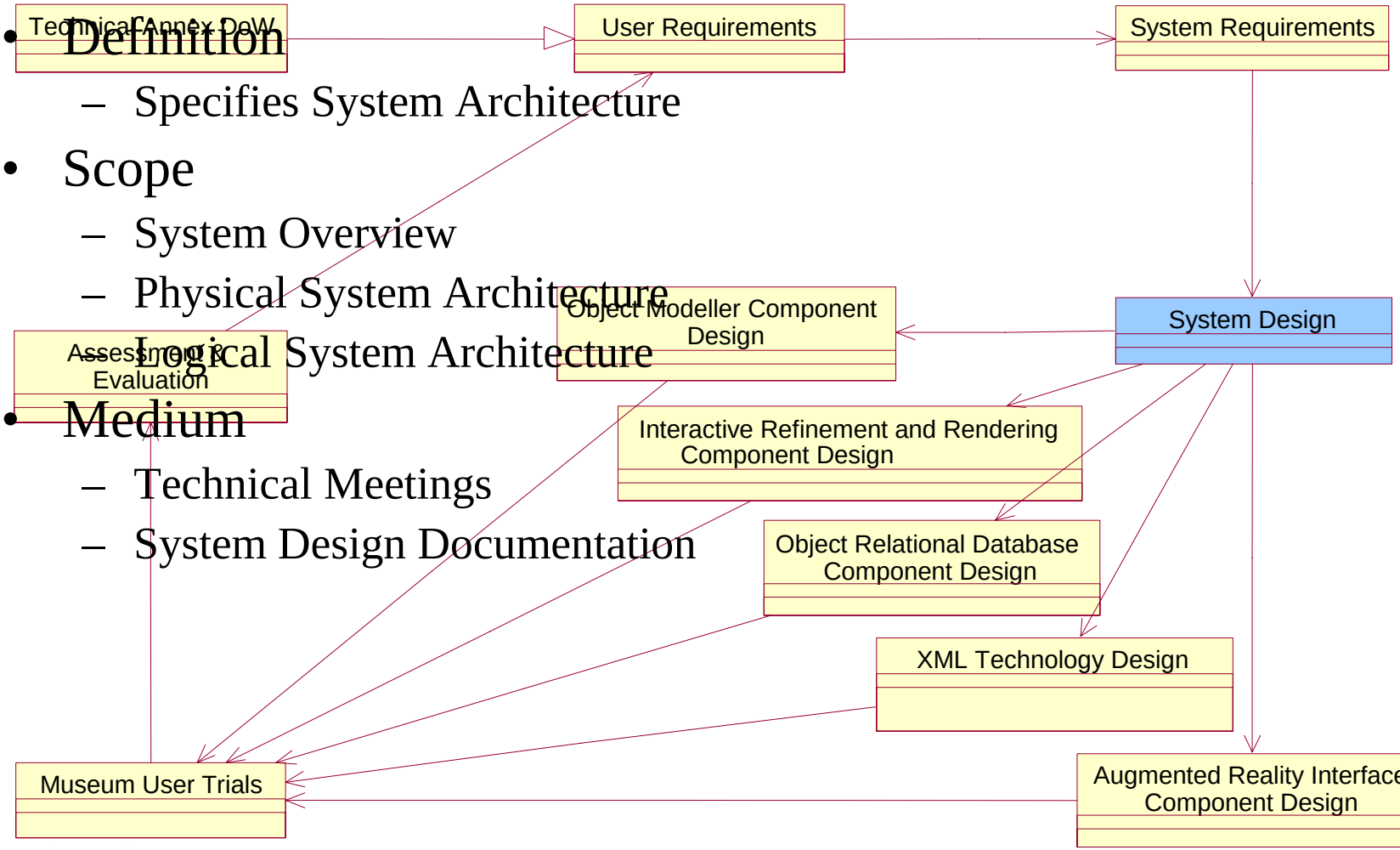
System Requirements

- Definition
  - Maps User Requirements to ARCO Functional Specifications
- Scope
  - Define Constraints to User Requirements
  - Ensure Contract Completeness
- Medium
  - Possible Solutions Analysis
  - System Requirements Documentation



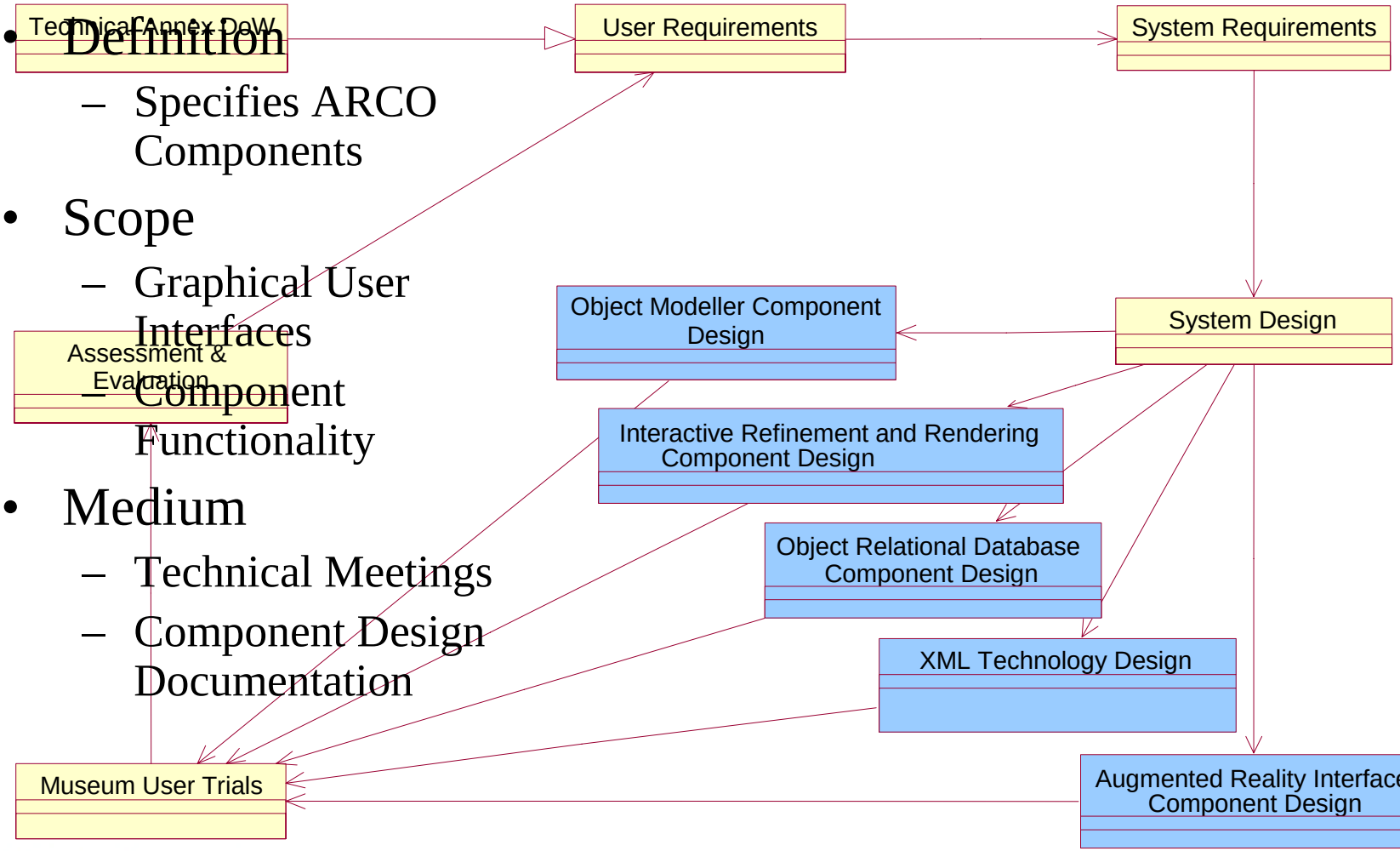
System Design

- Definition
  - Specifies System Architecture
- Scope
  - System Overview
  - Physical System Architecture
  - Logical System Architecture
- Medium
  - Technical Meetings
  - System Design Documentation



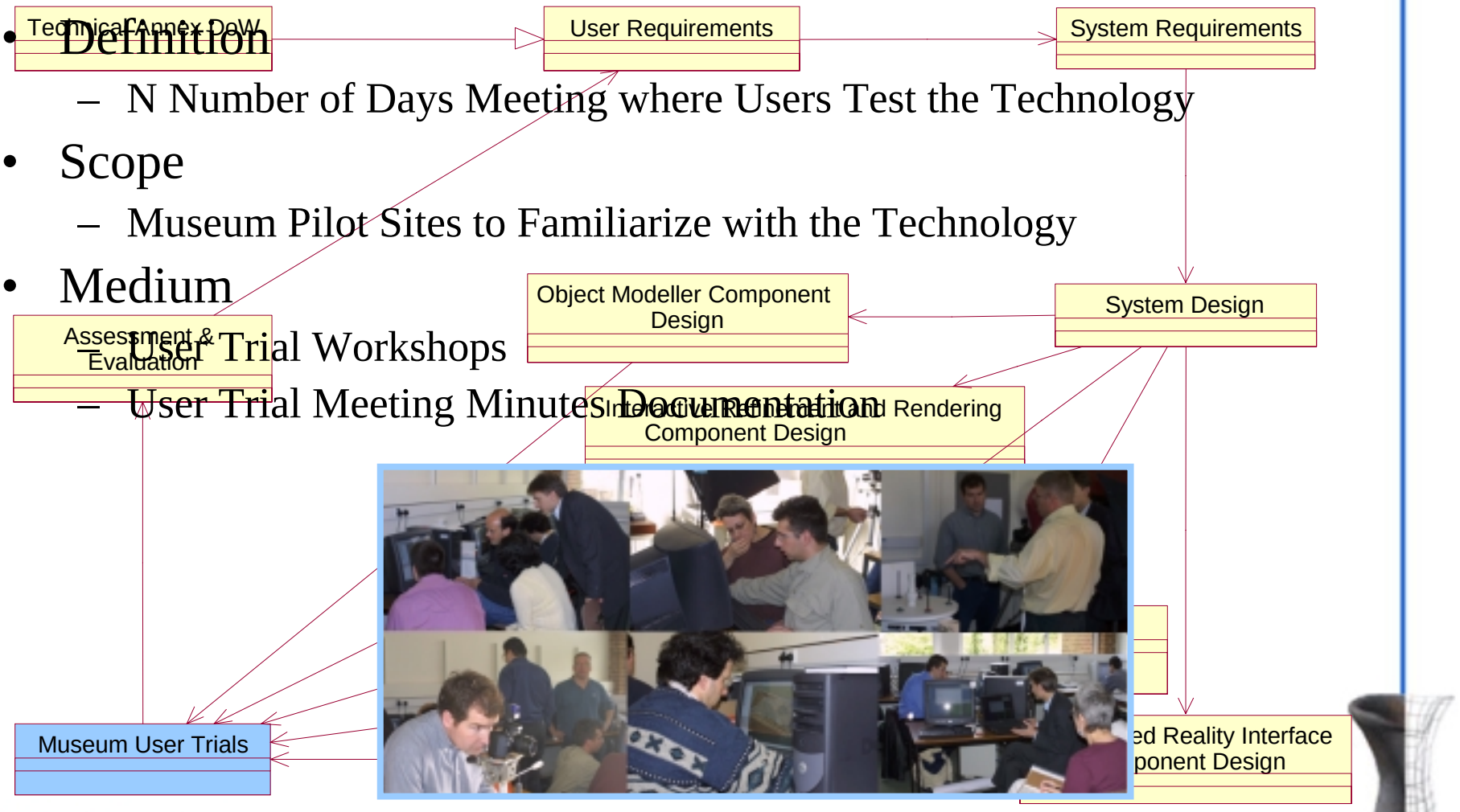
Components Design

- Definition
  - Specifies ARCO Components
- Scope
  - Graphical User Interfaces
  - Component Functionality
- Medium
  - Technical Meetings
  - Component Design Documentation



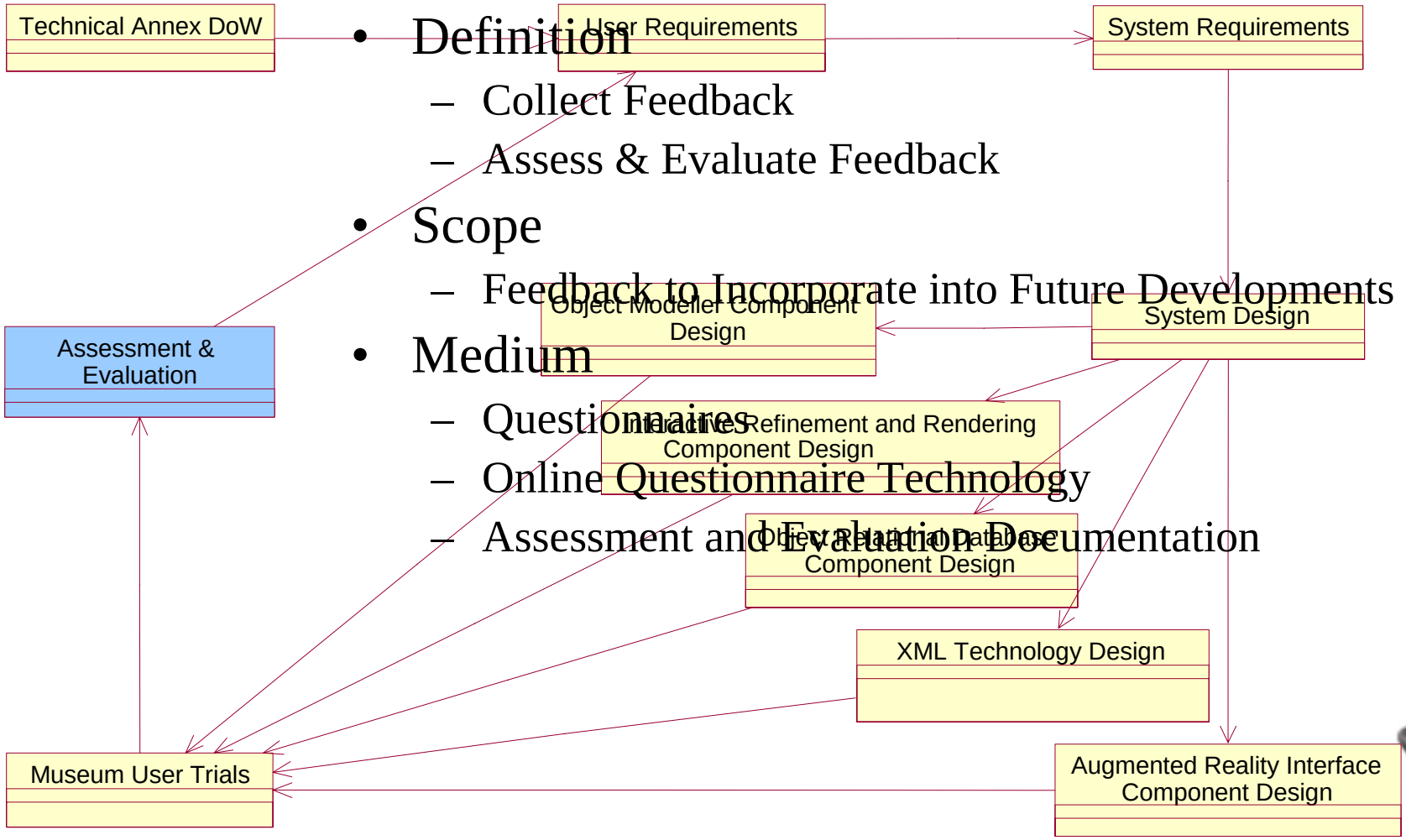
Museum User Trials

- Definition
  - N Number of Days Meeting where Users Test the Technology
- Scope
  - Museum Pilot Sites to Familiarize with the Technology
- Medium
  - User Trial Workshops
  - User Trial Meeting Minutes Documentation



Assessment and Evaluation

- Definition
  - Collect Feedback
  - Assess & Evaluate Feedback
- Scope
  - Feedback to Incorporate into Future Developments
- Medium
  - Questionnaires
  - Online Questionnaire Technology
  - Assessment and Evaluation Documentation



Conclusion

- User Requirements a Key Factor to Avoid Project Side-Track
- Thorough System Analysis & Design
- Museum Feedback Drives the Progress of the Project

➔ ARCO meets Quality Assurance Requirements