

visualization course outline

Our Requirements Visualization course explores the advanced application of models. This course is an excellent extension of the Requirements 101 course, diving deeper into requirements models and usage techniques. Over 12 different requirements models (ex. Use Cases, Context Diagrams, etc.) are covered in this insightful course. The training covers relationships between models and provides guidance on which models to apply in example project situations.

Topic	Learning Objective
introduction	
Pre-test	
Course Goals	
Models - what are they, why we use them	Student shall be able to describe why we use models
People Systems Data categorization	Student shall be able to describe a method to categorize models for ease of use
overview of models	
People (Org charts, Actor profiles, Use cases, Decision trees, Use case diagrams and Activity diagrams)	
Systems (Context diagrams, Click-action-response tables, Process flow diagrams, Cross functional process flow diagrams, Sequence diagrams, Requirements categories and Wireframes)	
Data (Entity relationship diagrams, Data dictionaries, Data flow diagrams, State tables, State diagram, Report tables and Formula tables)	
detail each model	
Describe the model	Student shall be able to explain what each model is
Example	Student shall be able to recognize each model
When to use it	Student shall be able to describe when to use each model
When to not use it	Student shall be able to describe when not to use each model
Template	Student shall be able to sketch the template for each model with no data in it
Scenario with example	
Scenario as an exercise	Student shall be able to complete each model for a given to complete each model for a given scenario
relationships between models	
How the models fit together	Student shall be able to describe how models work together
Relationships between obvious models	Student shall be able to identify commonly related models
Where to start on a project with models	Student shall be able to identify which models to start with for a specific type of project
Scenario exercises to pick the right models	Student shall be able to identify and complete correct models for specific scenarios