Traditional business/system modeling practices are rife with miscommunication, vague definitions, and needless complexity. BPMN is the standard that overcomes these challenges, from executive stakeholders to deep technical engineers.

Most business and technical stakeholders are vividly aware that, in order to come up with good solutions, we need to be able to describe, understand, and communicate our organizations' business processes, end-to-end and top-to-bottom. Yet, despite decades of flowcharting-talk and uncounted number of Visio diagrams, we are still struggling with this challenge. Without doubt, this is a major contributor to projects that fail to deliver (e.g. cancelled, over schedule and/or budget, products of poor quality or that include either only a fraction of the required functionality or functionality that nobody ever uses).

In the last couple of years, more and more organizations have adopted a new standard: Business Process Model and Notation (BPMN). By now, a de-facto standard for business process modeling, BPMN enables bridging the communication gap between business and technical people by providing an effective, efficient, and flexible way to capture, model, analyze, and design business processes, in a way that is easily understood by all interested parties.

What You’ll Learn

This course is based on BPMN 2.0 and will teach you how to use BPMN effectively and correctly and arm you with techniques and tools to make sure that you are doing BPMN the right way. Learn how to create descriptive models, analytical models, and more the right way with BPMN.

- Bridge the communication gap between business and IT
- Enable process collaboration and accountability
- Create high-level (whole-picture) models that describe an organization's end-to-end processes
- Design and optimize processes, by progressively elaborating high-level models (Descriptive level) into hierarchical and more detailed process models (Analytical level)
- Streamline process and requirements documentation by using the same notation and syntax to capture processes at all stages of the SDLC
- Enhance knowledge management (creating, sharing, training, reuse, etc.) by
eliminating the need to duplicate and/or translate process definitions
• Increase productivity by enabling process engineers to elaborate Analytical models into Executable models (rather than starting from scratch each time)
• Enable scope management and prioritization
• Facilitate adoption/customization of BPM/BPMN/BPMS tools
• Enable process simulations to validate and optimize business processes (e.g. process & cycle times, costs, resource utilization, etc.)

Who Needs to Attend

Primary audience:
• Business Analysts
• Process Analysts
• Process Owners
• Process Engineers

Secondary audience:
• Business customers/end users
• Product Owners, Project Managers, End users
• Testers
• Anybody interested to understand, capture, analyze, design, and/or optimize processes
PROCESS MODELING USING BPMN

Course Code: 0214

Classroom Live Outline

1. Introduction and Core Concepts
   • Models and Modeling Goals
   • Processes/Process Types
   • Process Modeling
   • BPMN in Context: BPM and BPMS
   • Historical Background
   • Comparison with Alternative Modeling Methods

2. BPMN Notation and Element Types
   • BPMN Standard: Notation/Symbols, Syntax, and Semantics
   • Modeling Levels/Palettes: Descriptive, Analytical, Execution
   • Work-Performing Elements: Processes, Activities (Tasks/Sub-Tasks)
   • Work-Routing Elements: Sequence and Message Flow, Gateways
   • Work-Partitioning Elements: Pools and Lanes
   • Events
   • Data Objects
   • Artifacts

3. Descriptive Models (Level 1 Palette)
   • Purpose and Target Audience
   • Core Elements
   • Method and Style
   • Examples

4. Analytical Models (Level 2 Palette)
   • Purpose and Target Audience
   • Additional Elements
   • Method and Style
   • Examples

5. BPMN Practices
• Common Pitfalls and How to Avoid Them
• Best Practices

6. Process Analysis and Design Using BPMN
• BPMN Syntax Validation
• BPMN Method and Style Validation
• Tokens and Workflow Patterns
• Optimizing Processes: Analysis and Design

7. Advanced Topics
• Process Simulations
• BPMN Processes and Business Rules/Decisions
• Event Sub-Processes
• Choreography Diagrams
• Executable Models

8. BPM/BPMN Career and Resources
• IIBA® and Process Modeling
• OMG Certified Expert in BPM (OCEB)
• Other Certifications
• Resources

9. BPMN Tools
• Whiteboards and Sticky-Notes,
• Diagramming Tools vs. Modeling Tools
• BPMN vs. BPMS
• Commercial and Open-Source Tools

10. Case Study and Hands-On Exercises
Virtual Classroom Live Outline

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Aug 3 - 5, 2020 | 12:00 - 4:30 PM EST
Sep 1 - 3, 2020 | 12:00 - 4:30 PM EST
Nov 2 - 4, 2020 | 12:00 - 4:30 PM EST
Dec 15 - 17, 2020 | 12:00 - 4:30 PM EST
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PRIVATE GROUP TRAINING 2 days

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