Bizagi Process Modeler
How we meet Business Analyst’s needs
Introduction

- More than 700,000 users
- 180 + countries
- More than 400 universities around the world
- Diagram and document
- Freeware application: www.bizagi.com
- Supports BPMN standard
Choosing the best technique is complex

- Business Analysis Planning & Monitoring
  - Plan Business Analysis approach
  - Conduct Stakeholder Analysis
  - Plan Requirements Management Process
- Elicitation
- Enterprise Analysis
- Requirements Analysis
- Solution assessment and validation
Knowledge area: Business Analysis Planning & Monitoring

- Select approach
- Identify stakeholders
Plan Business Analysis approach

- How tasks are performed
- When tasks are performed
- Techniques to be used
- Deliverables to be produced
- Stakeholders
Conduct Stakeholder Analysis

Initially identify:

- Roles
- Responsibilities
- Requirements
- Needs
Plan Requirements Management Process

Share documentation:
✓ Word
✓ PDF
✓ Web
✓ Wiki
✓ SharePoint

To approve all requirements!

www.bizagi.com
Knowledge area: Elicitation

Process exported to PDF to share with stakeholders – plus BPMN!

1.1.1 PROCESS ELEMENTS

1.1.1.1 Verify Available Vacation Days

Description
Web service that connects to the internal system to get the available vacation days for the applicant

On Enter Actions
Rule to set Requester and Request Date

WS Input
Applicant’s name

WS Output
Available vacation days number

Implementation
WebService

1.1.1.2 Register Vacation Leave Request

Description
Request a vacation leave and fill the information required

Performers
Requester

Duration
1 day

On Exit Actions
Rule to validate that the Days requested are between the minimum and the maximum allowed by the company’s policy
Knowledge area: Enterprise Analysis
Knowledge area: Requirements Analysis

Text:
Management starts with the Project Charter task. It is performed by the Project Sponsor. The Sponsor is the person who owns the process or can allocate resources to the project. The Project Charter must be completed for each project, and should include the project justification, deliverables, project objectives, etc.

Table:
<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>On Enter</td>
<td>Add the deliverables related to the phase</td>
</tr>
<tr>
<td>On Exit</td>
<td>Set the initial phase, Define</td>
</tr>
</tbody>
</table>

Image:
![Project Charter.png]

Selections:
- General Manager
- Black Belt
- Project team
- Process workers
Knowledge area: Solution assessment and validation

- Facilitate successful implementation
- Validate all components solution with all stakeholders
- Make the solution come to life
Business Process Modeling
Providing context for software requirements

Overview
May 11th, 2011
• **Blueprint Requirements Center**
  – A complete Business Analyst Workbench for the definition and management of software requirements

• **This Presentation**
  – Business Process for the purpose of providing context for software requirements
  – To help develop the ‘right’ requirements for the business need
  – To help maintain alignment throughout the development lifecycle

• **BABOK**
  – Focus on the Business Analysis Planning & Monitoring Knowledge Area
  – This presentation:
    • Process Modeling (9.21) and Structured Walkthrough (9.30)
- Light-weight, fast & easy ‘sketching’ of business process
- Supports nested sub-processes
- Visio import/export
- Fully traced
Precisely Reference external files

Reference specific information in Word Documents, PDFs, and Excel Spreadsheets.

Business Process

External Documents & Files

Relationships
Traced with Business and Application Requirements

Business Requirements, Objectives, and Rules

Business Process

External Documents & Files

Trace Relationships

Application Requirements

Use Cases

User Interface Mockups

Data Definitions
Structured Walkthrough via Generated Documents

Fully Configurable Word Format
Tables of Contents, Styles, etc.

Content from Requirements Center:
Diagrams, rich-text, tables, links …

Detailed Specification

Business Processes:

<table>
<thead>
<tr>
<th>Customer</th>
<th>Action</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Start Point</td>
</tr>
<tr>
<td>T1</td>
<td>Initiate Comparison Shopping</td>
<td>The task includes initiation of comparison of flights which includes providing credentials and selecting source.</td>
</tr>
<tr>
<td>T2</td>
<td>Provide Flight Departure, Destination, date, and other preferences</td>
<td>The task involves specifying the preferences which will identify the flights to be considered.</td>
</tr>
<tr>
<td>T9</td>
<td>Consider results and place order</td>
<td>The task involves performing analysis of the presented results and placing an order with one of the airlines.</td>
</tr>
<tr>
<td>E1</td>
<td>End Point</td>
<td></td>
</tr>
</tbody>
</table>

BP Air (Actor: )

ID | Name | Description |
---|------|-------------|
T3 | Validate Inputs and Route | The task involves validation of the input data and selected routes. |
T4 | Query BP Air flight database | The task involves querying the BP Air flight database with the flight parameters for comparison. |
Structured Walkthrough via Generated Documents

Optional redlines show changes since previous walkthrough/review – automatically!

Detailed Specification

Model: BP Air
Version: Version 2
Description: BP Air: Online Requirements Model

Overview: BP Air would like to expand its customer service from over-the-counter phone and in-the-counter in-person to include a web presence. This expansion would allow customers to book flights, make changes to existing flights, check-in and print boarding passes, as well as, book hotel and rental car reservations from a secure internet site.

Key Dependencies: This initiative is dependent on the IT modernization initiative began in January/December 2009. Planning of this project must be synchronized with the needs of the IT modernization initiative at all major milestones. Please refer to Project Management Office for details.

Scope: This project will encompass all work related to developing and provisioning the online booking system for Blueprint customers. It will not involve any modifications or updates to the airline database system but must interact with the database modernization project team to ensure compatibility.

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Flight Operations Diagram

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Ⓒ 2011 Blueprint Systems Inc. - Confidential & Proprietary
Integration with HP Quality Center

Blueprint Requirements Center

- Business Process
- Application Requirements
- Generated Tests

HP Quality Center

Completely Traced Business Process, Requirements & Tests.
Version Control & Multi-User Access

- Multi-User Access
- Security
- Version Control
- History
- Comparison

**BP Air**

<table>
<thead>
<tr>
<th>Version</th>
<th>Author</th>
<th>Date</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>89</td>
<td>user1</td>
<td>29/05/06 06:49 PM</td>
<td>Implemented comments from review meeting</td>
</tr>
<tr>
<td>88</td>
<td>user1</td>
<td>29/05/06 04:54 PM</td>
<td>Updates per the client review meeting on July 8, 2009. Portal exclusion issue addressed.</td>
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<tr>
<td>*87</td>
<td>user1</td>
<td>29/05/06 04:15 PM</td>
<td>Initial revision</td>
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<tr>
<td>86</td>
<td>user1</td>
<td>29/05/06 03:14 PM</td>
<td></td>
</tr>
<tr>
<td>83</td>
<td>user1</td>
<td>29/05/06 03:10 PM</td>
<td></td>
</tr>
</tbody>
</table>
1. AUTHOR

- Requirements Lists Editor
- UI Mockup Editor
- Business Process Diagram Editor
- Use Case Editor
- Data and Rules Editor
- Glossaries

**Blueprint Integrated Model**

2. VALIDATE

- Simulate All Requirements (UI, process, data)
- Capture Feedback into System
- Track and Incorporate Changes

3. COMMUNICATE

- Auto-generate Microsoft Office Documents
- Generate 100% of Functional Test Scenarios
- Integrated with ALM Solutions
• Blueprint
  – Requirements Center: most comprehensive RDM platform
    • www.blueprintsys.com/products
  – IIBA Certified RDM Courses
    • www.blueprintsys.com/services

• How Requirements Center supports BABOK
  – www.blueprintsys.com/iiba
Process Modeling with Enterprise Architect

Presenter: Tom O’Reilly
Chief Information Officer
Sparx Systems Pty Ltd
Our Approach to Process Modeling

- We provide an integrated tool-set:
  - Easy to use
  - Based on industry accepted, open standards
  - Helps manage business complexity
  - Simulate and execute process flows
  - Team-based modeling for the entire project
  - Repository-based & highly scalable
  - Ability to reuse and template processes
Process Modeling

Flowchart

Rich, comprehensive tool-set
No restrictions on modeling methodology
As easy as drawing with a pen on paper or whiteboard

Figure 9-8: Flowchart (BABOK (R) Guide, Version 2.0)
Process Modeling

Flowchart

Rich, comprehensive tool-set

No restrictions on modeling methodology

As easy as drawing with a pen on paper or whiteboard

Can also be converted quickly into usable formal diagrams

Figure 9-8: Flowchart (BABOK® Guide, Version 2.0)
Process Modeling

Notations
- Flowcharts
- UML Activity Diagrams
- BPMN

Frameworks
- Capability Maturity Model Integration® (CMMI®)
- Six Sigma

Figure 9-9: Activity Diagram (BABOK® Guide, Version 2.0)
Process Modeling

Notations

- Flowcharts
- UML Activity Diagrams
- BPMN

Frameworks

- Capability Maturity Model Integration® (CMMI®)
- Six Sigma
Process Modeling – Full Element Coverage

Elements
- Many elements available
- Drag and drop approach
- Context sensitive Toolbox
- Quick-linker
- Tagged Values
Process Modeling – More Detail

Elements

- Many elements available
- Drag and drop approach
- Context sensitive Toolbox
- Quick-linker
- Tagged Values
Enterprise Architect – Ease of Use

Helping to describe and visualize a process

Automatic generation from use cases to process diagrams

www.sparxsystems.com
Enterprise Architect – Managing Complexity

Process Simulation

Manage complexity by simulating process diagrams

For larger diagrams breakpoints can be used
Enterprise Architect – Managing Complexity

Diagram Filters

Diagram Filters used to highlight relevant areas of the process model dependent on their attributes

Great for phase and versioning, also identification of high priority processes
Enterprise Architect

Team Based:

- Designed to be multi-user
- Highly Scalable repository based modeling
- Share: HTML, RTF, Enterprise Architect Lite, XMI
Once a process has been optimized

- Save commonly used patterns accessible from the Toolbox
- Core process can be dragged and dropped from the Project Browser
- Update once available everywhere
Sparx Systems – About Us

Sparx Systems in Brief

Enterprise Architect was commercially released in August 2000
Over 250,000 licenses sold to date
Over 60% of the top 100 global forms have volume licenses
An Australian company based in Creswick, Victoria
Enterprise Architect was one of the first tools to introduce comprehensive UML 2 support in April 2004
Deployed in industries ranging from aerospace and automotive engineering to finance, defense, government, entertainment and telecommunication
Thank You