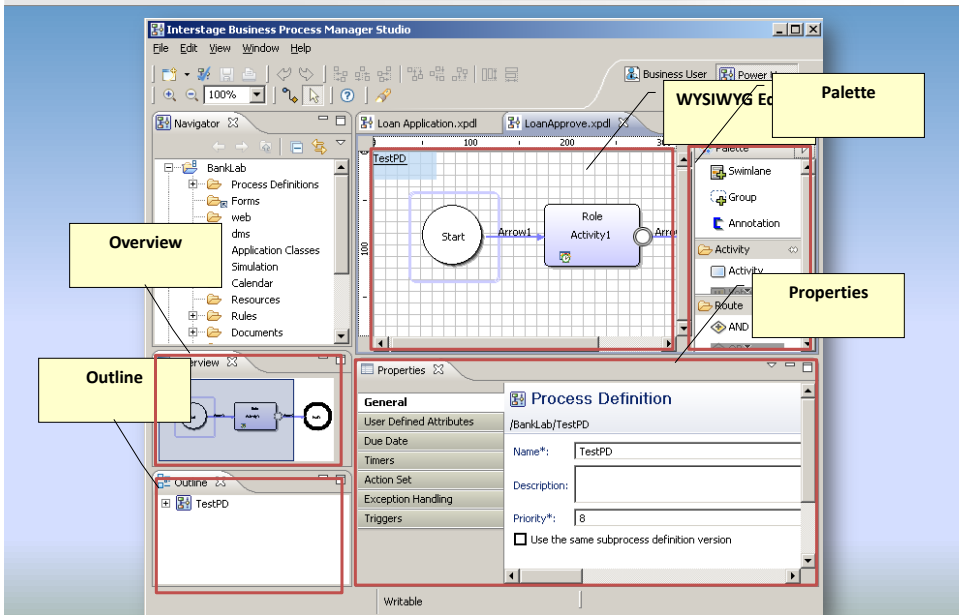
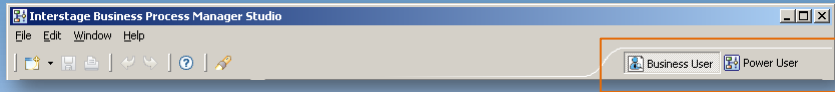


STUDIO MODELING BASICS

Process Designer



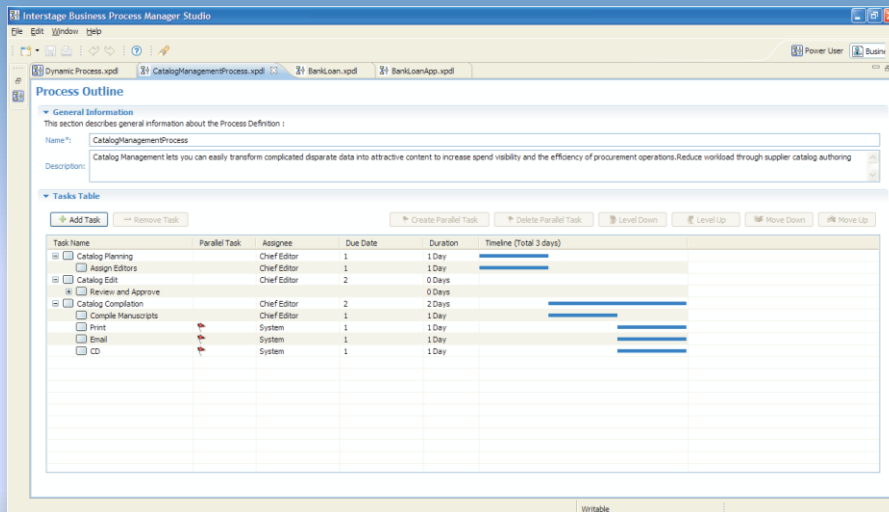
User Perspectives



- **Business User**
 - Simplified View for Business Users
 - Textual View for Process Definitions
 - No knowledge of BPMN required
 - Gantt Chart View

- **Power User**
 - Technical User
 - Process Modeling
 - Forms Design
 - Business Rules

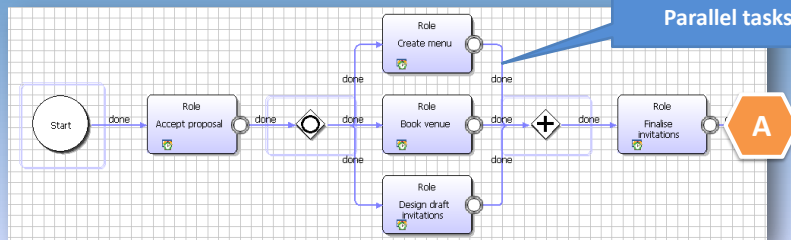
Business User Perspective



- **Process Outline**
 - Name – required (no spaces)
 - Description
 - One or more Tasks
- **Task**
 - Name
 - Assignee (Role)
 - Due Date
 - Duration – Days
 - Execution Method
 - Sequential
 - Parallel

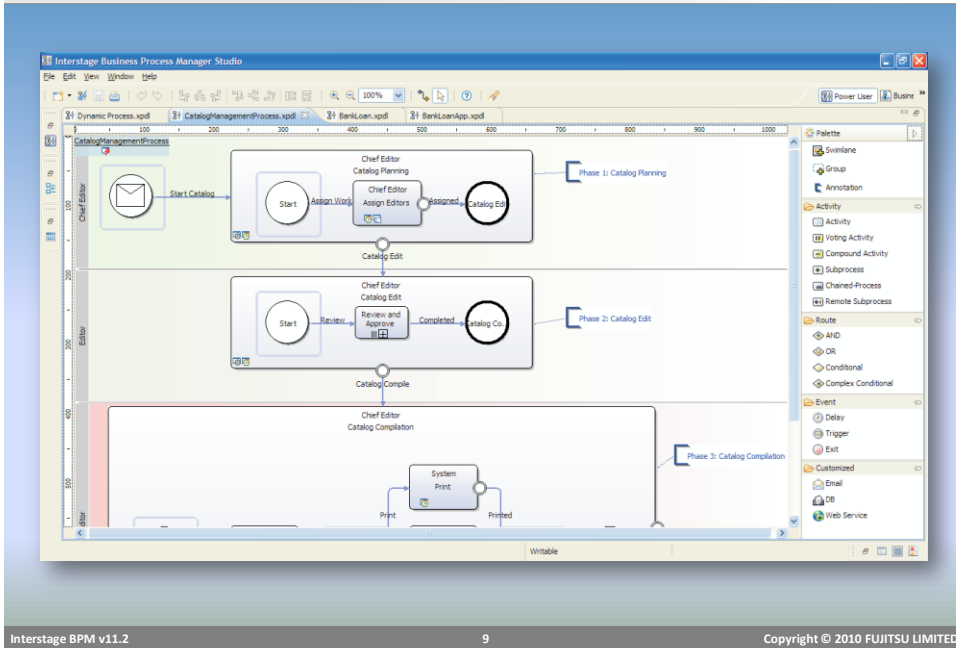
- Tasks created in this view represent activities/nodes in the process.
- Editor options include:
 - Add or Remove a task;
 - Create or Delete parallel tasks;
 - Make a task a subtask or a subtask a task; and
 - Change the order of tasks.
- Process Outline Editor example ...

Task Name	Parallel Task	Assignee	Due Date	Duration	Timeline (Total 10 days)
<input checked="" type="checkbox"/> Accept proposal		Role	Jan 15, 2010	1 Day	
<input type="checkbox"/> Create menu		Role	Jan 21, 2010	3 Days	
<input type="checkbox"/> Book venue		Role	Jan 20, 2010	1 Day	
<input type="checkbox"/> Design draft invitations		Role	Jan 19, 2010	1 Day	
<input type="checkbox"/> Finalise invitations		Role	Jan 22, 2010	1 Day	
<input checked="" type="checkbox"/> Finalize invitations		Role	Jan 28, 2010	3 Days	
<input type="checkbox"/> Select printer		Role	Jan 25, 2010	1 Day	
<input type="checkbox"/> Print invitations		Role	Jan 26, 2010	2 Days	
<input type="checkbox"/> Hire staff		Role	Jan 25, 2010	2 Days	
<input type="checkbox"/> Hold event		Role	Jan 30, 2010	1 Day	
<input type="checkbox"/> Review performance		Role	Feb 1, 2010	1 Day	



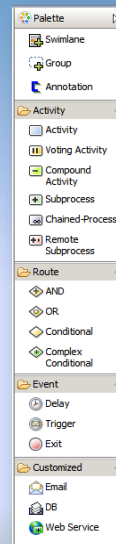
Power User

- Process Modeling for Analysts and Developers
- Based on BPMN specification
- Add due dates, timers, actions
- Create Business Rules
- Create Forms



Studio Node Palette

- Process Definitions can be created and edited in either the IBPM Studio or IBPM Console.
- There are basic and advance nodes available to create processes by drag-n-drop.
- Both IBPM Studio and IBPM Console use the same BPMN node palette.

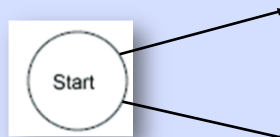


■ Basic node:



Start Node

- Purpose:
 - marks the beginning of a workflow process.
 - every process must have one and only one Start Node.
- Activated by:
 - a process instance being started.
- Behavior:
 - produces an event on each outgoing arrow



Exit Node

- Purpose:
 - marks the end of a workflow process
 - every process has at least one Exit Node
- Activated by:
 - an event on any incoming arrow
- Behavior:
 - sends the process into the completed state
 - the first exit node execution completes the process flow



Arrow

- Purpose:
 - propagate activation events
 - Name of arrow is used as the name of *choice* for the task action
- Behavior:
 - activate the node at the tail of the arrow



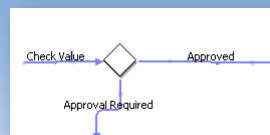
Activity Node

- Purpose:
 - represents an activity requiring user interaction
- Activated by:
 - an event on any incoming arrow
- Role resolution:
 - using the directory service a list of assignees are identified
 - each assignee has a work item added to their worklist

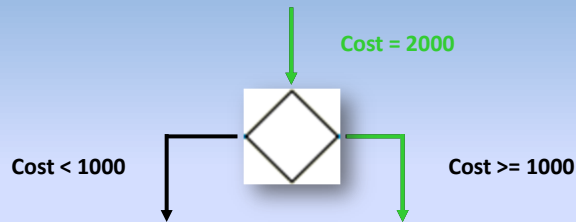


Conditional Node

- Purpose:
 - Route process to alternate path based on business conditions
- Activated by:
 - an event on any incoming arrow
- Behavior:
 - compares the value of the specified Process Attribute against conditions specified for the outgoing arrows
 - produces an event on the outgoing arrow which satisfies the condition

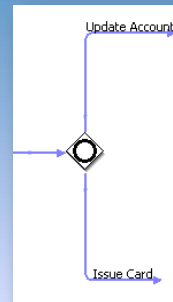


Conditional Node Example



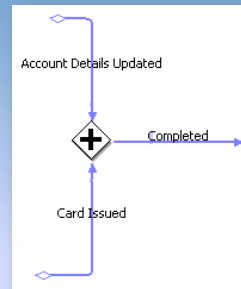
OR Node

- Purpose:
 - Split process into parallel path
- Activated by:
 - an event on **any incoming** arrow
- Behavior:
 - produces an event **on each outgoing** arrow

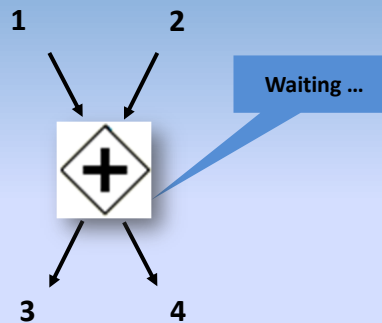


AND Node

- Purpose:
 - join multiple parallel process flows
- Activated by:
 - an event on any incoming arrow
- Behavior:
 - waits for an event on each incoming arrow
 - produces an event on each outgoing arrow



AND Node



Delay Node

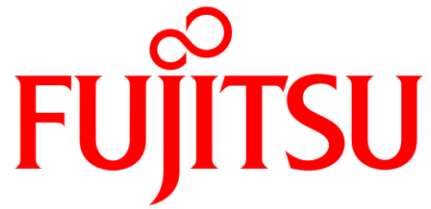
- Purpose:
 - Makes the process to pause and re-start at a later time
- Activated by:
 - an event on any incoming arrow
- Behavior:
 - waits for specified amount of time (delay time can be defined in node property)
 - produces an event on each outgoing arrow



User Defined Attributes (UDA)

- Data used by a Business Process Definition is defined using User Defined Attributes (UDA)
- UDA has a name, data type and optional default value

- Interstage BPM uses the following types
 - STRING,
 - FLOAT,
 - INTEGER,
 - LONG,
 - BOOLEAN,
 - DATE,
 - BIGDECIMAL
 - XML



shaping tomorrow with you